MANGALURU SMART CITY GRAND SUMMARY OF E-SMART SCHOOL CIVIL WORK

Sr.No.	School List	Amount in Rs.
1	Dakshina Kannada Zilla Prathamika Higher primary School, Pandeshwara, Ward-46	95,82,439
2	GUPS & Govt. High School, Urdu, Bunder, Ward 44	93,40,703
3	Govt. Higher Secondary School, Hoigebazar ward-57	56,79,667
4	Lower Primary School, Hoigebazar, Ward-57	49,37,764
5	Gov. Upper Primary School, Neereshwalya, Ward-45	29,25,757
6	GUPS Bolar & Bolar west (Urdu) Ward - 58	1,56,56,491
7	Govt.primary and secondary school Balmatta, Ward-40	1,83,84,876
8	Govt. Practicing School, Opp. Maidan Road near Railway Station,Ward No - 46	1,07,75,862
9	Govt.Primary School, Bastigarden, Ward-41	52,89,985
10	Govt. Women's Pre-university College, Rathabeedi, Car Street Ward No - 43	1,00,89,848
	Total Cost	9,26,63,392
	Add Tender Premium @ 5%	46,33,170
	Add Contingency @ 3%	27,79,902
	GST @ 12% on SOR & Non SOR (Building,Hardscape & Softscape)	94,36,791
	GST @ 12% on SOR (Plumbing Work)	2,82,125
	GST @ 18% on Market Rate	11,11,731
	Adminstrative charges, Miscellaneous cost including Architectural Paint, Balck Board Painting, Sports Equipments, Glass Work & Foldable Partition etc and rounding off (LS)	33,92,889
	Grand Total	11,43,00,000

Executive Engineer MSCL Mangaluru

GM Technical MSCL Mangaluru

Managing Director MSCL Mangaluru

MANGALURU SMART CITY MASTER BOQ of E-Smart School

Sr .No.	Description	Unit	Quantity	Rate	Amount
Α	Building and Compound wall Works				
1	KSRRB M200-7.1. Clearing grass and removal of rubbish by manual means and stacking outside the periphery of the area cleaned complete as per specifications. MORTH Specification No. 201 PWD 18-19,Page No 138,SI No.18.10)	На	2.34	28330.50	66,174
2	KSRB 24-9 : Cleaning and washing of stone masonry wall surface with nitric acid including cost of materials, labour, complete as per specifications. Specification No.KBS 18-19, (Page No 130,SI No : 16.4)	Sqm	10317.82	5.50	56,748
3	Providing and construction laterite size stone masonary including cost and conveyance of all materials curing etc. complete as per specification.I.S.3620/1979 having compressive strength not less then 3.5N/mm2 for saturated dry samples.For super structure in CM 1:6 (Cement 45 kgs/M3) (KPWD 18-19,Page No 384,SI No : 42.5.3)	Cum	572.13	3730.10	21,34,087
4	KSRB 15.3.10 Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry and concrete surface including rounding off corners wherever required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. PWD 18-19,SI No.15.19,Pg No 116	Sqm	4709.24	300.30	14,14,185
5	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - do - with Primer PWD 18-19,SI No.15.53.2,Pg No 120	Sqm	24968.93	112.20	28,01,514
6	Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, complete as per specifications. (KPWD 18-19,SI No.15.103)	Sqm	3207.57	374.00	11,99,631
7	KSRRB MS00-10 Painting new letter and figures of any shade with synthetic enamel paint black or any other approved colour to give an even shade complete as per specifications. ("ii) English and Roman - Hyphen and the like not to be measured and paid for" MORTH Specification No.801 (KSRRB 18-19,SI No.24.10)	cm	11850.00	0.77	9,125
8	Cleaning RCC sump tanks and RCC overhead tanks with mechanical dewatering including removal of sludge, mud, dirt, algea etc and cleaning the wall surface of tanks using high pressure jet, vacuum cleaning and spraying anti bacterial treatment to the wall and ceiling surfaces and UV treatment, including removing of sludge etc, using suitable coconut broomstick, squeesers I wipers I rubber brushes, coir brushes, plastic buckets, mugs, dewatering using motor with portal arrangement, hose pipe etc., complete including all safety measures. (KPWD 18-19,SI No.10.7)	L	128000.00	0.39	49,280
9	KSRB 15-18.3 : Providing and applying enamel metal paint one coat (excluding priming coat) on previously painted steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. PWD 18-19,SI No.15.75,Pg No 123	Sqm	661.57	67.10	44,391
10	KSRB 2-2.1: Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 PWD 18-19,SI No.2.3,Pg No 6	Cum	6026.09	328.90	19,81,981

Sr .No.	Description	Unit	Quantity	Rate	Amount
11	KSRB 4-1.6; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 ems. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2 PWD 18-19,SI No.4.6,Pg No 13	Cum	516.93	6490.00	33,54,876
12	KSRB 14.9-2: Providing and laying M-15 cement concrete flooring 60 mm thick with metallic concrete hardner topping, under layer of 45mm thick M-15 cernent concrete using broken granite metal of 20mm and down size and top layer of 15mm thick metallic cement hardner consisting of mix 1:2 (1 cement hardner mix: 2 granite metal 10mm nominal size) by volurne, with metalic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement= 1 part of metallic floor hardening compound of approved quality by wt), including finishing, cost of materials, labour, curing, complete as per specifications. Specification No. KBS 14.4 PWD 18-19,SI No.14.14	Sqm	1762.21	797.50	14,05,362
13	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregates @0.47cum, with super plasticisers @ 3 liters conforming to IS 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedestrals, retaining walls, returnwalls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. PWD 18-19,SI No.4.10,Pg No 14	Cum	1161.37	6817.80	79,17,988
14	Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete with all lead lifts and as per specifications and directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18	MT	87.10	77860.20	67,81,838
15	Providing and removing, centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications PWD 18-19,SI No.4.28,Pg No 16	Sqm	3712.59	289.30	10,74,052
16	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses plinth cills and string courses cost of all materials, labour complete as per specifications. PWD 18-19,SI No.4.31,Pg No 16	Sqm	11073.14	397.10	43,97,144
17	KSRRB M2200 - Providing Weep holes Providing weep holes in Brick masonry / Plain / Reinforced concrete abutment, wing wall / return wall with 100mm dia AC pipe , extending through the full width of the structure with slope of 1V:20H towards drawing force complete as per drawing and Technical specifications complete as per specifications. PWD 18-19,SI No.28.10,Pg No 229	Nos	208.00	161.70	33,634
18	KSRB 2-4: Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications. PWD 18-19,SI No.2.11,Pg No 7	Cum	2894.06	132.00	3,82,015
19	Providing and fixing unplasticised PVC pipes with working pressure 10 kg/sq.cm with pipe fittings, clips, making good the floor, including cost of all materials, labour charges, HOM and testing complete as per specifications. do- with 110mm outer dia KSRB 18-19,Pg No.77,SI No.11.56.2	Rmt	312.00	666.60	2,07,979

Sr .No.	Description	Unit	Quantity	Rate	Amount
20	Providing & Fixing CI Grating (325 x 325mm) for road gully cover including fixing the cover and CM 1:3 Plastering 20mm thick to all exposed faces curing for 90 days with all lead including cost of plastering but excluding cost of concrete etc,completete (As Per EOI)	Each	104.00	893.00	92,872
21	KSRB 24-44: Repairs to plaster in patches of 2.5 sqm and less in walls, ceilings 10 to 20mm thick in cement mortar 1:4 including cutting the patches in proper shape and replastering the surface of the wall including disposal of rubbish with a lead of 50m including curing cost of materials, labour, complete as per specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133	Sqm	5732.60	304.70	17,46,723
22	Providing and fixing Special make glazed Vitrified tiles (Granomite finish) of approved make, quality and colour of size 600x600x10mm thick fixed on existing flooring with a special adhesive for flooring and skirting etc., complete including providing spears at required interval and removing stains etc., complete. (P.No. 109, I.No. 14.43 of SR 2018-19).	Sqm	6195.36	1452.00	89,95,668
23	Providing and laying of teak wooden polished flooring of 12mm thick, high density timber of approved colour and design with end trims, transition, profiles, beading, 15mm thick felt, and 20 micron polyester film with 4mm thick foam underlay etc., (P.No.113, I.No.14.70 of PWD SR 2018-19)	Sqm	378.19	5280.00	19,96,843
24	KSRB 14.14-5: Providing Ceramic tiles of approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing, complete as per specifications for Ceramic Tiles of size 30x30cms 6mm thick. PWD 18-19,SI No.14.36.2,Pg No.107 and 108	Sqm	3018.07	1332.10	40,20,368
25	Providing and laying pattern flooring for staircase treads and risers using the combination of 20mm thick ruby red granite @ 66%,20 mm thick grey granite @ 20%, 20mm thick, 20mm thick black granite 14%. The granite materials are laid on existing bed of CM 1:3 20mm thick pointed with colour pigment, including full rounding for nosing, flaming the ruby red granite for 50 mm wide curing etc., complete as per specification. (P.No. 109, I.No. 14.46 of PWD SR 2018-19)	Sqm	481.42	7914.50	38,10,201
26	Repairing door and window frames with available wood to the required size. PWD 18-19,SI No.37.12,Pg No 267	Sqm	1000.52	753.50	7,53,891
27	Repairing and fixing shutters (panelled or glazed) to doors, windows, ventilators and cupboards. PWD 18-19,SI No.37.13,Pg No.267	Sqm	1001.92	753.50	7,54,946
28	KSRB 15-15.1: Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - do- with primer PWD 18-19.SI No.15.51.2.Pg No.119	Sqm	17834.95	99.00	17,65,660
29	Supplying and fixing new Mangalore tiles on existing reepers. PWD 18-19,SI No.37.9,Pg No.267	Sqm	4028.05	447.70	18,03,359
30	Removing and fixing old Mangalore ridge tiles including pointing with C.M. 1:3. PWD 18-19,SI No.37.10,Pg No.267	Rmt	936.94	111.10	1,04,093
31	KSRB 15-17.19: Providing and applying painting one coat (excluding priming coat) on previously painted wood surface and / or wood based surface with black japan paint to give an even shade after cleaning the surface of all dirt, dust and foreign matter, including cost of materials, labour, complete as per specifications. PWD 18-19,SI No.15.71,Pg No.123	Sqm	2751.27	61.60	1,69,478
32	KSRB 15-17.19:Applying additional one coat (excluding priming coat) on previously painted wood surface and / or wood based surface with black japan paint to give an even shade after cleaning the surface of all dirt, dust and foreign matter, including cost of materials, labour, complete as per specifications. PWD 18-19,SI No.15.72,Pg No.123	Sqm	2751.27	55.00	1,51,320

Sr .No.	Description	Unit	Quantity	Rate	Amount
33	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification PWD 18-19,SI No.10.5.1,Pg No 69	Sqm	3002.03	578.60	17,36,975
34	Providing and laying non - asbestos high impact ploypropylene reinforced corrugated cement roofing sheet reinforced with Other colours and with a blend of strong factory made fibre as per IS:14871 and IS:9933:1995 (E) roofing upto any pitch and fixing with polymer coated J or L hooks, bolts and nuts 8mm dia, G I plain and bitumen washers or with self drilling fastener and EPDM washers ete. complete but excluding the cost of purlins, refters and trusses. including cutting to size and shape of corrugated sheets wherever required. and cost of materials, labour, complete as per specifications. PWD 18-19,SI No.8.31.2,Pg No 51	Sqm	60.71	649.00	39,401
35	KSRB 8.4: Providing and fixing Mangalore tile roofing using first class tiles with necessary special tiles for ridges and hips, wood reepers and pointed with cement mortar 1:4 over the existing rafters including cost of materials, labour, curing complete as per specifications. Specification No. KBS 8.17KSRB 8.4-2: do- Nandi wood reepers of size 50x25mm PWD 18-19,SI No.8.11	Sqm	3135.74	895.40	28,07,744
36	KSRB 9.4-1: Providing Teak wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications. Specification No. KBS 9.33. (P.No.53, I.No. 9.10 of PWD SR 2018-19)	Cum	6.52	235129.40	15,33,044
37	Fabrication supplying and erecting M.S. Tubular Truss of all spans as per approved drawing and design with prefabricated steel applications using quality material and are durable, reliable and corrosion and abrasion resisitant. Welding shall confirm to latest structural welding code. Quality shall be on various parametres like shape, size, design gauge and polish. The entire truss is anchored in RCC column by using 4 Nos. of M.S. anchor bolts at each support, with 10mm thick base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S pipes and wleding wherever necessary, and applying one coat of red oxide primer coat to all themembers including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, etc., complete as per specification (P.No.43, Sl.No. 7.29 of PWD SR 2018-19)	Kg	4456.25	122.10	5,44,108
38	Providing and fixing of pre pigmented extruded orange cement roof tiles of size 420mm x 330mm with necessary specials such as Ridges, Barges and Nails etc. including cast of providing PVC (6.00kgs/sq cm) gutters of min 6" radius and down water pipes of 4" dia as per the roof design on EXISTING MS/WOODEN ROOF or TRUSS. Including cost of materials, scaffoldings, labour etc., compelte as per specifications. (P.No.51, Sl.No. 8.29 of PWD SR 2018-19)	Sqm	178.25	793.10	1,41,370
В	External Development - Softscape & Hardscape				
39	KSRRB M300- Planting and Maintaining of Flowering Plants and Shrubs KSRRB M300- 8.1. Planting and Maintaining of Flowering Plants and Shrubs - A) Planting flowring plants and shrubs in central verge MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149	Rmt	1105.00	50.60	55,913

Sr .No.	Description	Unit	Quantity	Rate	Amount
40	Providing and laying heavy duty Tactile Tiles (Direction and Stop tiles-300 x 300 mm) 60mm thick and Yellow in colour , using cement and course sand for manufacture of blocks of approved size, shape with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications.	Sqm	1046.16	912.00	9,54,098
41	KSRRB M300-Turfing lawns with fine grassing including ploughing, dressing KSRRB M300-5. Turfing lawns with fine grassing including ploughing, dressing including breaking of clods, removal of rubbish, dressing and supplying doobs grass roots at 10 cm apart, including supplying and spreading of farm yard manure at rate of 0.6 cum per 100 sqm complete as per specifications. MORTH Specification No. 307 PWD SOR 18-19,SI No.19.82,Pg No149	Sqm	2110.24	25.30	53,389
42	KSRRB M300- Maintenance of lawns with fine grassing for the first year KSRRB M300-6. Maintenance of lawns with fine grassing for the first year including watering etc complete as per specifications. MORTH Specification No. 307. PWD SOR 18-19,SI No.19.83,Pg No149	Sqm	2110.24	101.20	2,13,556
43	Providing and laying artline grass pavers or equivalent block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge. (Non SOR)	Sqm	1317.20	2067.00	27,22,652
44	Providing and fixing Vitrified glazed tiles of approved make, quality & colour of size 900 x 900 x 12mm thick fixed on bed of 12mm thick cement mortar for flooring, skirting and JOinted with neat cement slurry mixed with pigment to mach shade of tiles, including providing spacers at required interval and removing stains, including cost of all mateirals, mortar, labour, etc., Complete as per specification. (KPWD 18-19,SI.No.14.45.1)	Sqm	4292.94	1446.50	62,09,738
45	KSRB 2.9 : Spreading and forming the excavated earth to required level, slope for an average thickness of 75mm. in all classes of soils including breaking clods and tamping manually alround the building and low laying areas complete as per specifications.specification. No. KBS : (KSRB 18-19,Pg No.7,SI No.2.16)	Sqm	4573.00	9.90	45,273
46	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete. do- of size 450 x 150 x 400 mm (KSRRB 18-19,Pg No.27,SI No.5.29.1)	Nos	2007.00	514.80	10,33,204
47	KSRB13-1.1: Providing and fixing to wall, ceiling and floor galvanised I mild steel tube nominal bore with fittings (medium grade weight 1.27 kglmtr) B class including cost of all materials, labour charges, HOM and testing complete as per specifications. Specification No.KBS 13.2.14 I 13.8 do- 40 mm dia (KSRB 18-19,Pg No.92,SI No.13.5)	Rmt	120.41	491.70	59,206

Sr .No.	Description	Unit	Quantity	Rate	Amount
48	1 Surface Preparation: Saw cutting further to construction and contol joints in floor to 10mm wide x 10mm deep as shear key, include surface preparation by mechanical means using Grinding machines with frequency control drive and planetry drive, equipped with a vaccum pipe for dust collection. where operating width should not be more than 400mm, power 5HP 3phase, voltage 220V/415V, Motor speed should be 700 RPM-900 RPM followed by Hand grinding machine for non approachable areas as directed in BS 8203: Code of practice for installation of resilient floor coverings,BS 8204 Parts 1, 3, 6 and 7 and FERFA followed by as required all in complete as per manufacturers and EIC. Work need to be done by flooring specialist only recommended by Flowcrete only. 2.Clean the surface thoroughly, fix the shear anchor with designed gap of construction and control joint. 3. Supplying and Installing Versaspeed / Thin top Supreme/ Eucocrete of FLOWCRETE (USA) versatile, single-component, rapid-setting mortar for horizontal, and form and pour repair projects. Requiring only the addition of water and 25% -40% pea aggregates, where the compressive strength should be 58.6Mpa as per ASTM C 109, Flexural strength as per ASTM C 348 should be 6.2Mpa in 1 day, Linear shrinkage as per ASTM C157 should be -0.083%, chloride permeability should be 900 coulombs as per ASTM C 1202 along with along with TUF-STRAND SF "structural fibers" of FLOWCRETE are a patented polypropylene / polyethylene synthetic macro-fiber successfully used to replace steel fibers, welded wire mesh and conventional reinforcing bars in a wide variety of applications. TUF-	Sqm	1519.50	2600.00	39,50,700
49	Cutting 10mmX10mm joint where the joint a/b should not be more than 1.02, (As per TR34). followed by Providing and filling Decksheild putty/ EUCO700 all in complete as per manufacturer direction or EIC.	Rmt	756.00	130.00	98,280
50	To supply and apply Green Label certified Decksheild system, low VOC as per ISO11890-2 resulted in Very Low <20g/L, solvent free, flexible polyurethane park deck coating system providing a colourful watertight, hard- wearing surface for intermediate decks of multi-storey, basement and other trafficable suspended floors consisting of 3 component, solvent free, Polyurethane based primer/body coat/binding agent having solid content of approximately 100% which accepts silica aggregate scatter to produce an anti skid surface as well as 2 component, coloured, flexible polurethane coating having 100% solid contents to seal the aggregate layer where UV light staibility is not critical having chemical resistance property to Petrol, Diesel, Antifreeze, Hydraulic Fluids, Chlorides & Battery Acids etc. Technical profile having Fire resistance -BS476-3 Designated EXT.F.AA, Slip Resistance as per TRRL Pendulum Slip Test resulted in Dry>40. Wet>40 (Low Slip Potential), Abrasion Resiatance as per Taber Abrader resulted in 0.1 mg loss per 1000 cycles (1Kg Load using CS17 wheels). For exposed area UV stable 2 component Polyurethane based top coat having abrasion resistance as per Taber Abrader: 0.1g loss per 1000 cycles, 100% UV Light stable & prevents from yellowing effect, followed by as required all in complete as per manufacturers and EIC	Sqm	1519.50	1400.00	21,27,300
51	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 (KSRB 18-19,SI No.24.15)	Sqm	100.20	471.90	47,284
С	Electrical Cost				
52	Removal of existing CFL, 1 x 9 W, surface mounted supply, installation, testing and commissioning of new LED 6W light fixture and commissioning with 50000 burning hours or 5 years of warranty	Nos.	4.00	1,212.28	4,849
53	Removal of existing CFL, 1 x 12 W, Surface mounted supply, installation, testing and commissioning of new LED 6 W light fixture and commissioning with 50000 burning hours or 5 years of warranty	Nos.	1.00	1,303.32	1,303
54	Removal of existing CFL, 1 x 16 W, Surface mounted supply, installation, testing and commissioning of new LED 8 W light fixture and commissioning with 50000 burning hours or 5 years of warranty	Nos.	8.00	1,335.36	10,683
55	Removal of existing FTL, 1 x 36 W, surface mounted supply, installation, testing and commissioning of new LED 18 W light fixture and commisioning with 50000 burning hours or 5 years of warranty	Nos.	254.00	1,146.40	2,91,186

Sr .No.	Description	Unit	Quantity	Rate	Amount
56	Removal of existing FTL, 2 x 36 W, surface mounted supply, installation, testing and commissioning of new LED 2 x 18 W light fixture and commisioning with 50000 burning hours or 5 years of warranty	Nos.	7.00	1,691.00	11,837
57	40 W Incandescent lamp Removal of existing 40W incadescent light fixture. Supply, intallation, testing and commissioning of new LED 6 W light fixture with 50000 burning hours or 5 years of warranty	Nos.	81.00	600.16	48,613
58	Removal of existing Halogen, 500 W. Supply, installation, testing and commissioning of LED 150 W fixture with 50000 burning hours or 5 years of warranty	Nos.	2.00	11,350.85	22,702
59	Supply and fixing of PVC casing and caping on the wall or ceiling using necessasary material like bends, screws at interval of 300 mm etc as required.(Electrical SOR 1.8.2) 25 mm	Mtr	3950.00	26.00	1,02,700
60	Wiring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concelead system of wiring with specified IS-694:1990 & confirming to GTP group A (Electrical SOR 2.5.1) 1 sq. mm	Mtr	500.00	13.00	6,500
61	Wiring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concelead system of wiring with specified IS-694:1990 & confirming to GTP group A (Electrical SOR 2.5.2)	Mtr	500.00	18.60	9,300
62	1.5 sq. mm Wiring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concelead system of wiring with specified IS-694:1990 & confirming to GTP group A ((Electrical SOR 2.5.3) 2.5 sq. mm		1100.00	29.20	32,120
63	Wiring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concelead system of wiring with specified IS-694:1990 & confirming to GTP group A ((Electrical SOR 2.5.4)		5085.00	42.10	2,14,079
64	4 sq. mm Supply and wiring adopting loop system in existing PVC conduit/casing capping using 1100 grade, copper conductor, flexible FRLS PVC insulated 2 x 1.5 sq. mm cable conforming to GTP with 6A flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of wires shall be terminated with sufficient loose length in a wood/pvc round block complete for each outlet (Electrical SOR 2.1.2) Medium point above 3 mtr upto 6 mtr from tapping point to outlet via switch	point	156.00	245.00	38,220
65	Supply and wiring adopting loop system in existing PVC conduit/casing capping using 1100 grade, copper conductor, flexible FRLS PVC insulated 2 x 1.5 sq. mm cable conforming to GTP with 6A flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of wires shall be terminated with sufficient loose length in a wood/pvc round block complete for each outlet (Electrical SOR 2.1.3) Medium point above 6 mtr upto 10 mtr from tapping point to outlet via switch	point	97.00	363.00	35,211
66	Supply and wiring adopting loop system in existing PVC conduit/casing capping using 1100 grade, copper conductor, flexible FRLS PVC insulated 2 x 1.5 sq. mm cable conforming to GTP without switch, the other end of wires shall be terminated with sufficient loose length in a wood/pvc round block complete for each outlet (Electrical SOR 2.3.2) Medium point above 3 mtr upto 6 mtr from tapping point to outlet via switch	point	106.00	215.00	22,790

Sr .No.	Description	Unit	Quantity	Rate	Amount
67	Supplying heavy gauge pvc conduit dia 25 mm dia 2 mm thick conforming to IS 2509 suitable size bends, junction boxes, adhesive paste etc. and fixing using inverted wood plug incase of RCC ceiling and RCC wall/ stone structure or rawl plugs in case of brick wall and cement plastering the damage portion using heavy gauge saddles at an interval of 700 mm using NF screws. (Electrical SOR 1.1)	Mtr	550.00	70.00	38,500
68	Supply and fixing of modular switch/socket/stepped electonic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293. Electrical SOR 3.7.1 6A one way switch	Each	135.00	63.00	8,505
69	Supply and fixing of modular switch/socket/stepped electonic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293. Electrical SOR 3.7.2 16A one way switch	Each	135.00	114.00	15,390
70	Supply and fixing of modular switch/socket/stepped electonic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293. Electrical SOR 3.7.2 6/16A universal socket	Each	135.00	147.00	19,845
71	Supply and fixing of modular switch/socket/stepped electonic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293. Electrical SOR 3.7.4 Stepped fan regulator	Each	151.00	286.00	43,186
72	Supplying 2 to 4 way plastic gang box and fixing using necessary wooden/raw/phill plugs and screw. Electrical SOR 3.13.2	No.	186.00	29.00	5,394
73	Supplying capacitor type ceiling fan complete with down rod blades, shackles, canopies etc. operation on 230V, 50 cycles. Single phase AC supply confirming to IS -374-1979 and double ball bearing system. Electrial SOR 9.3.1.1	No	151.00	2,376.00	3,58,776
	1200 mm regular model				
74	Supplying exhaust fan of 1440 RPM of 300 mm size with bracket blades complete for light duty suitable to operate on 230V, 50 HZ AC supply	No	30.00	1,700.00	51,000
75	Dismantling of pole/ street light standard/ strut embedded in cement concrete foundation etc. as required	Nos.	20.00	938.00	18,760
76	Erection of metallic pole of following length in cement concrete 1 :3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) foundation including excavation and refilling etc. as required. Above 6.5 meter and upto 8.0 meter Existing poles (Delhi analysis of rates E & M 2016, item 11.3.2, pg 372))	No	20.00	2,945.00	58,900
77	Lighting Pole, 7 m Fabrication, suppl and erection of 7 meters long hot dip Galvanised Octagonal pole with BSE 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with oor opening arrangement, icluding suitable boards, bakelite sheet and MCBs as per IS specifications suitable for wind speed of 47 m/sec for 5 m pole in single section and single joint welded as per IS 9595/IS 10178 AWG having dimensions bottom 155 mm dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of long J bolts along with template and the pole shall be hot dip galvanized in single dipping with not less than 65 micron as per ASTM - A123 and 153 etc., (excluding foundation) as per drawing appended (Ref Electrical SOR SI No. 5.14.5)	No	29.00	12,420.00	3,60,180
78	Lighting Pole, 4 m Fabrication, supply and erection of 4 meters long hot dip Galvanised Octagonal pole with BSE 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangement, icluding suitable boards, bakelite sheet and MCBs as per IS specifications suitable for wind speed of 47 m/sec for 5 4 pole in single section and single joint welded as per IS 9595/IS 10178 AWG having dimensions bottom 130 mm dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of long J bolts along with template and the pole shall be hot dip galvanized in single dipping with not less than 65 micron as per ASTM - A123 and 153 etc., (excluding foundation) as per drawing appended (Ref Electrical SOR SI No.5.14.2)	No	4.00	7,398.00	29,592

Sr .No.	Description	Unit	Quantity	Rate	Amount
79	Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for outdoor luminaries and mounted on Octagonal pole using necessary bolts,nuts, etc. complete Single Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.2)	Nos.	55.00	2,400.00	1,32,000
80	Painting of Existing street light pole after scrapping the old paint and painted with suitable colour enamel including coping/footing of the poleabove 5.5 mtr to 7.5 mtr (Ref Electrical SOR SI No.16.28.2)	Nos	18.00	620.00	11,160
81	Supply, installation, testing and commissioning of outdoor junction box for mounting MCB/Contactors with all required accessories and componenets	Nos	14.00	11,782.92	1,64,961
82	Supply and fixing of miniature circuit breaker on exisiting board using necessasary fixing material and 'C' type curve, indicator ON/OFF, energy cross-3 with short circuit breaking capacity of 10 KA complete wiring as required confirming to IEC 60898 5-32A TPN Electrical SOR- 6.16.5)	Nos	14.00	1,547.00	21,658
83	Supplying of 1.1 kV LT cable having aluminium conductor PVC insulated, extruded inner sheathed, galvanised, steel strips (except 2C x 10 sq. mm wire armoured) as per IS-3975:1990 and extruded PVC outer sheathed armoured cable as per IS - 1554 Part 1:1988 & conforming to GTP of GROUP B 4 Core x16 Sq.mm PVC Aluminium Conductor, (Ref Electrical SOR SI No.7.5,7.5.4)	m	2326.00	117.00	2,72,142
84	Supply and drawing flexible multicore cable with electrolyte grade flexible copper with low conductor conforming to Table 3 Class 5 of IS:8130-1984 and vargin PVC insulation and sheathed suitable for working voltage up to 1100 V as per IS-694:1990 and conforming to GTP of Group A. 3C x 2.5 sq. mm (Ref. Electrical SOR 2.8.8)	m	359.00	81.60	29,294
85	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of following sizes 16 Sq.mm PVC Aluminium Conductor (Ref Electrical SOR SI No.7.21,7.21.6)	Nos	106.00	11.31	1,199
86	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of following sizes 2.5 sq. mm copper conductor (Ref Electrical SOR SI No.7.21.2)	Nos	106.00	3.21	340
87	Chemical Earthing for grounding,conduits,IC cut outs and otherequipmentson the mter boardby using copper /SS rod with earth enhancing backfill compound which is non corrosive ,thermally,conductive,potential,to permissible,limits,superior,fault,conductive capacity,non toxic,weather resistance and capable of achieving ohmic value less than one ohm (Ref Electrical SOR Pg.No.64,SI No.7.23.6)	Kit	20.00	5,500.00	1,10,000
88	Supply and running GI conductor for grounding and (along with other wires in conduits system of wiring) using necessasary suitable size clamps, nails, guttas/spacers etc-8 SWG (Ref Electrical SOR SI No.7.22.3)	Rmt	800.00	19.50	15,600

Sr .No.	Description	Unit	Quantity	Rate	Amount
89	Fabrication, Supplying, Erection, Testing and Commissioning of Mtrs long polygon high mast with Single 1 Multiple telescopic sections having, (minimum overlap distance of 1.5 times of top section) thickness as per BSEN 10025 grade S 355 JO IASTM A572-50 steel sheet plate for shaft suitable to withstand a wind velocity of 47 m/sec as per IS 875 part 3(as per GA awing).Base plate as per IS 20621 ASTM A572-50. The mast shall be Galvanized in single Hotdip as per BSEN ISO 1461/ASTM A123 with an average 70 microns as per IS 2629, and welded as per BS 5135 Single L-Seam joint. The mast shall have 2way head frame with die cast LM-6 pulleys, stainless steel axle, Phosphorus Bronze bearing bush press-fitted with separate guides for 2 runs of 5mm dia, stainless steel wire rope of AISI 304grade 7/19-core, (Factor of Safety as per TR no-7). 2.5sqmm EPR insulated PCP sheathed trailing power cable housed inside the bottom shaft of mast with door having locking arrangement. The mast shall have power tool operating on 2301 415V, 50Hz, 1/3 phases reversible geared motor. The mast shall have lantern of 2 segments, suitable dia with max load carrying capacity as per IS 1239. The mast shall be erected on existing RCC footing. The mast shall be supplied with 3mm thick template, lightning arrester of 1.2m length galvanized pipe with top arrow fitted on top of the head frame cover and GLS type aviation twin lamps fitting with wiring complete. (excluding foundation) as per technical data. Electrical SOR 5.17.1	Each	12.00	1,20,000.00	14,40,000
90	12Mtrs/12 5Mtrs - Ton 100mm and hottom 310 mm dia Supply, installation, testing and commissioning of 120W LED flood light with lamp, driver and all other require accessories to finish the job (Rates as per DMA proceedings and letter no 26031 DMA 86 DEVT 2018- 19 dated 29-11-2018)	No	48.00	8,400.00	4,03,200
D	Plumbing Cost				
91	KSRB 11-1: Providing and fixing white vitreous china clay, water closet Indian type (Squatting pan) of size 580mm with footrests, 100mm s or P trap, 10 litre low level, PVC flushing cistern (all are approved make) with fittings, C. I I M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11	Pan	76.00	3,861.00	2,93,436
92	KPWD 18-19,SI No.12.1 Pg No 79 KSRB 11-5: Providing and fixing white vitreous china clay, water closet European type (Pedestal type, P-trap) with black solid plastic seat and lid, C. P brass hinges, rubber buffers. 10 litre low level, PVC flushing cistern (all are approved make) with fittings, C. I IM.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 KPWD 18-19,SI No.12.5,Pg No.79	Each	14.00	5,451.60	76,322
93	KSRB 11-1.4: Providing and fixing white vitreous china clay, flat back, lipped front urinal basin of 430x260x350mm in the range of four with 10 litres PVC automatic flushing cistern, C.I I M.S brackets, standard flush pipe and C.P. brass spreaders with brass unions and G. I. clamps complete painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 KPWD 18-19.SI No.12.10.Pg No.80	Unit	63.00	7,800.10	4,91,406
94	KSRB 11-11 Providing and fixing white vitreous china clay, flat back wash basin with a single 15mm C.P brass pillar tap with C. I I M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 KSRB 11-11.4:do of size 550 x 400mm Specification No. KBS 11 KPWD 18-19,SI No.12.26,Pg No.83	Unit	25.00	3,323.10	83,078

Sr .No.	Description	Unit	Quantity	Rate	Amount
95	KSRB 11-15.3 • Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications. KPWD 18-19,SI No.12.41,Pg No.84	Unit	25.00	1,249.60	31,240
96	KSRB 11-18-2.0 • Providing and fixing sand cast iron soil waste with access door, insertion of rubber washers 3mm thick bolts and nut, with spun yarn soaked in cement slurry and cement mortar 12 including cost of materials, labour, testing complete as per specifications. KSRB 11-18-2.1 • do with 100 mm dia bends KPWD 18-19,SI No.12.50,Pg No.85	Each	153.00	557.70	85,328
97	KSRB 11-18-2.0 • Providing and fixing sand cast iron soil waste with access door, insertion of rubber washers 3mm thick bolts and nut, with spun yarn soaked in cement slurry and cement mortar 12 including cost of materials, labour, testing complete as per specifications. KSRB 11-18-2.1 • do with 75 mm dia bends KPWD 18-19,SI No.12.51,Pg No.85	Each	25.00	478.50	11,963
98	KSRB 11-18-11: Providing and fixing sand cast iron trap of 100mm dia, of self cleaning design with screwed down or hinged grating with or without vent arm including cutting and making good the walls and floors, cost of materials, labour, testing, complete as per specifications Specification No. KBS 11.1.10 KSRB 11-18-17.1 :do- with 100 mm dia KPWD 18-19,SI No.12.89,Pg No.88	Each	79.00	913.00	72,127
99	KSRB 11-18-11: Providing and fixing sand cast iron trap of 100mm dia, of self cleaning design with screwed down or hinged grating with or without vent arm including cutting and making good the walls and floors, cost of materials, labour, testing, complete as per specifications Specification No. KBS 11.1.10 KSRB 11-18-17.1 :do- with 75 mm dia KPWD 18-19,SI No.12.90,Pg No.88	Each	16.00	831.60	13,306
100	KSRB 11-18-4: Providing and fixing sand cast iron soil waste double equal junction of required degree with access door insertion of rubber washers 3mm thick bolts and nuts, including cost of materials, labour, testing complete as per specifications. KBS 11-1.10 KSRB 11-18-4.1: dowith access door 100 x 100 x 100 x 100 mm KPWD 18-19,SI No.12.56,Pg No.86	Each	79.00	1,185.80	93,678
101	KSRB 11-18-4: Providing and fixing sand cast iron soil waste double equal junction of required degree with access door insertion of rubber washers 3mm thick bolts and nuts, including cost of materials, labour, testing complete as per specifications. KBS 11-1.10 KSRB 11-18-4.1: dowith access door 75 x 75 x 75 x 75 mm KPWD 18-19,SI No.12.57,Pg No.86	Each	16.00	877.80	14,045
102	KSRB 11-18-19 • Providing and fixing M.S stays and clamps for sand cast iron pipes of 100mm dia including cost of materials, labour, complete as per specifications. KSRB 11-18-19.1 •do with 100 mm dia KPWD 18-19,SI No.12.99,Pg No.89	Nos	190.00	360.80	68,552
103	KSRB 11-18-19 • Providing and fixing M.S stays and clamps for sand cast iron pipes of 100mm dia including cost of materials, labour, complete as per specifications. KSRB 11-18-19.1 •do with 75 mm dia KPWD 18-19,SI No.12.100,Pg No.89	Nos	190.00	338.80	64,372
104	Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern in M-15 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot). do- 10cms x 7.5cms KPWD 18-19,SI No.12.113.1,Pg No.90	Each	63.00	275.00	17,325
105	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials, labour charges, HOM and testing complete as per specifications. do- 110 mm dia KPWD 18-19,SI No.12.116.1,Pg No.90	m	440.00	477.40	2,10,056

Sr .No.	Description	Unit	Quantity	Rate	Amount
106	KSRB13-6.1 Providing and fixing in position brass bib cock of approved quality nominal bore including cost of all materials, labour and HOM with all leads complete as per specifications. Specification No.KBS 13.2.2/13.3 KSRB13-6.1-1do-15 mm dia nominal bore KPWD 18-19,SI No.13.23,Pg No.93	Each	125.00	209.00	26,125
107	KSRB13-64: Providing and fixing in position brass ball valve high or low pressure with plastic float of approved quality nominal bore including cost of all materials, labour and HOM with all leads complete as per specifications. Specification No. KBS KSRB13-6.4-3- do- 25 mm dia nominal KPWD 18-19,SI No.13.42,Pg No.94	Each	25.00	564.30	14,108
108	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes JOinting of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) 15mm nominal OD Pipe KPWD 18-19,SI No.13.85.1,Pg No.98	m	1203.00	143.00	1,72,029
109	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes JOinting of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) 20mm nominal OD Pipe KPWD 18-19,SI No.13.85.2,Pg No.98	m	603.00	172.70	1,04,138
110	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes JOinting of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) 25mm nominal OD Pipe KPWD 18-19,SI No.13.85.3,Pg No.98	m	303.00	215.60	65,327
111	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of JOints complete. (Concealed work including cutting chases and making good walls) 15mm nominal OD Pipe KPWD 18-19,SI No.13.86.1,Pg No.99	m	963.00	226.60	2,18,216
112	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of JOints complete. (Concealed work including cutting chases and making good walls) 20mm nominal OD Pipe KPWD 18-19,SI No.13.86.2,Pg No.99	m	483.00	258.50	1,24,856
	GRAND TOTAL				9,26,63,369

MANGALURU SMART CITY 1.1 Grand Summary of E-Smart school - Pandeshwara

Sr. No.	Description	Cost In INR
1	E-Smart School - Pandeshwara	
а	Building & Compound wall works	7,709,229
b	Electrical Works	523,393
С	Plumbing Works	184,976
d	External Development - Softscape & Hardscape	1,164,841
	Total Cost	9,582,439

Executive Engineer MSCL Mangaluru

G M Technical MSCL Mangaluru

MANGALURU SMART CITY 1.2 BOQ of E-Smart School - PAANDESHWARA

Sr .No.	Description	Unit	Quantity	Rate	Amount
Α	Building and Compound wall Works				
1	KSRRB M200-7.1. Clearing grass and removal of rubbish by manual means and stacking outside the periphery of the area cleaned complete as per specifications. MORTH Specification No. 201 PWD 18-19,Page No 138,SI No.18.10)	На	0.19	28330.50	5,298
2	KSRB 24-9 : Cleaning and washing of stone masonry wall surface with nitric acid including cost of materials, labour, complete as per specifications. Specification No.KBS 18-19, (Page No 130,SI No : 16.4)	Sqm	823.20	5.50	4,528
3	Providing and construction laterite size stone masonary including cost and conveyance of all materials curing etc. complete as per specification.I.S.3620/1979 having compressive strength not less then 3.5N/mm2 for saturated dry samples.For super structure in CM 1:6 (Cement 45 kgs/M3) (KPWD 18-19,Page No 384,SI No : 42.5.3)	Cum	67.05	3730.10	250,103
4	KSRB 15.3.10 Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry and concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. PWD 18-19,SI No.15.19,Pg No 116	Sqm	482.78	300.30	144,979
5	KSRB 15-16.1: Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - do - with Primer PWD 18-19,SI No.15.53.2,Pg No 120	Sqm	1814.72	112.20	203,612
6	Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, complete as per specifications. (KPWD 18-19,SI No.15.103)	Sqm	258.40	374.00	96,642
7	KSRRB MS00-10 Painting new letter and figures of any shade with synthetic enamel paint black or any other approved colour to give an even shade complete as per specifications. ("ii) English and Roman - Hyphen and the like not to be measured and paid for" MORTH Specification No.801 (KSRRB 18-19,SI No.24.10)	cm	1000.00	0.77	770
8	Cleaning RCC sump tanks and RCC overhead tanks with mechanical dewatering including removal of sludge, mud, dirt, algea etc and cleaning the wall surface of tanks using high pressure jet, vacuum cleaning and spraying anti bacterial treatment to the wall and ceiling surfaces and UV treatment, including removing of sludge etc, using suitable coconut broomstick, squeesers I wipers I rubber brushes, coir brushes, plastic buckets, mugs, dewatering using motor with portal arrangement, hose pipe etc., complete including all safety measures. (KPWD 18-19,SI No.10.7)	L	10000.00	0.39	3,850
9	KSRB 15-18.3: Providing and applying enamel metal paint one coat (excluding priming coat) on previously painted steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. PWD 18-19,SI No.15.75,Pg No 123	Sqm	16.40	67.10	1,100

Sr .No.	Description	Unit	Quantity	Rate	Amount
10	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 PWD 18-19,SI No.2.3,Pg No 6	Cum	525.93	328.90	172,978
11	KSRB 4-1.6; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 ems. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2 PWD 18-19,SI No.4.6,Pg No 13	Cum	45.80	6490.00	297,242
12	KSRB 14.9-2: Providing and laying M-15 cement concrete flooring 60 mm thick with metallic concrete hardner topping, under layer of 45mm thick M-15 cernent concrete using broken granite metal of 20mm and down size and top layer of 15mm thick metallic cement hardner consisting of mix 1:2 (1 cement hardner mix: 2 granite metal 10mm nominal size) by volurne, with metalic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement= 1 part of metallic floor hardening compound of approved quality by wt), including finishing, cost of materials, labour, curing, complete as per specifications. Specification No. KBS 14.4 PWD 18-19,SI No.14.14	Sqm	82.50	797.50	65,794
13	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregates @0.47cum, with super plasticisers @3 liters conforming to IS 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedestrals, retaining walls, returnwalls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. PWD 18-19,SI No.4.10,Pg No 14	Cum	114.70	6817.80	782,002
14	Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete with all lead lifts and as per specifications and directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18	МТ	8.60	77860.20	669,792
15	Providing and removing, centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications PWD 18-19,SI No.4.28,Pg No 16	Sqm	409.71	289.30	118,529
16	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses plinth cills and string courses cost of all materials, labour complete as per specifications. PWD 18-19,SI No.4.31,Pg No 16	Sqm	1009.01	397.10	400,678
17	KSRRB M2200 - Providing Weep holes Providing weep holes in Brick masonry / Plain / Reinforced concrete abutment, wing wall / return wall with 100mm dia AC pipe, extending through the full width of the structure with slope of 1V:20H towards drawing force complete as per drawing and Technical specifications complete as per specifications. PWD 18-19,SI No.28.10,Pg No 229	Nos	32.00	161.70	5,174

Sr .No.	Description	Unit	Quantity	Rate	Amount
18	KSRB 2-4: Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications. PWD 18-19,SI No.2.11,Pg No 7	Cum	274.90	132.00	36,287
19	Providing and fixing unplasticised PVC pipes with working pressure 10 kg/sq.cm with pipe fittings, clips, making good the floor, including cost of all materials, labour charges, HOM and testing complete as per specifications. KSRB 18-19,Pg No.77,SI No.11.56.2				
	do- with 110mm outer dia	Rmt	48.00	666.60	31,997
20	Providing & Fixing CI Grating (325 x 325mm) for road gully cover including fixing the cover and CM 1:3 Plastering 20mm thick to all exposed faces curing for 90 days with all lead including cost of plastering but excluding cost of concrete etc,completete (As Per EOI)	Each	16.00	893.00	14,288
21	KSRB 24-44: Repairs to plaster in patches of 2.5 sqm and less in walls, ceilings 10 to 20mm thick in cement mortar 1:4 including cutting the patches in proper shape and replastering the surface of the wall including disposal of rubbish with a lead of 50m including curing cost of materials, labour, complete as per specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133	Sqm	267.71	304.70	81,572
22	Providing and fixing Special make glazed Vitrified tiles (Granomite finish) of approved make, quality and colour of size 600x600x10mm thick fixed on existing flooring with a special adhesive for flooring and skirting etc., complete including providing spears at required interval and removing stains etc., complete. (P.No. 109, I.No. 14.43 of SR 2018-19).	Sqm	573.67	1452.00	832,969
23	Providing and laying of teak wooden polished flooring of 12mm thick, high density timber of approved colour and design with end trims, transition, profiles, beading, 15mm thick felt, and 20 micron polyester film with 4mm thick foam underlay etc., (P.No.113, I.No.14.70 of PWD SR 2018-19)	Sqm	38.29	5280.00	202,171
24	KSRB 14.14-5: Providing Ceramic tiles of approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing, complete as per specifications for Ceramic Tiles of size 30x30cms 6mm thick. PWD 18-19,SI No.14.36.2,Pg No.107 and 108	Sqm	114.45	1332.10	152,459
25	Providing and laying pattern flooring for staircase treads and risers using the combination of 20mm thick ruby red granite @ 66%,20 mm thick grey granite @ 20%, 20mm thick, 20mm thick black granite 14%. The granite materials are laid on existing bed of CM 1:3 20mm thick pointed with colour pigment, including full rounding for nosing, flaming the ruby red granite for 50 mm wide curing etc., complete as per specification. (P.No. 109, I.No. 14.46 of PWD SR 2018-19)	Sqm	72.81	7914.50	576,255
26	Repairing door and window frames with available wood to the required size. PWD 18-19,SI No.37.12,Pg No 267	Sqm	59.50	753.50	44,833
27	Repairing and fixing shutters (panelled or glazed) to doors, windows, ventilators and cupboards. PWD 18-19,SI No.37.13,Pg No.267	Sqm	59.50	753.50	44,833

Sr .No.	Description	Unit	Quantity	Rate	Amount
28	KSRB 15-15.1: Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - do- with primer PWD 18-19,SI No.15.51.2,Pg No.119	Sqm	1152.00	99.00	114,048
29	Supplying and fixing new Mangalore tiles on existing reepers. PWD 18-19,SI No.37.9,Pg No.267	Sqm	525.31	447.70	235,182
30	KSRB 8.4: Providing and fixing Mangalore tile roofing using first class tiles with necessary special tiles for ridges and hips, wood reepers and pointed with cement mortar 1:4 over the existing rafters including cost of materials, labour, curing complete as per specifications. Specification No. KBS 8.17KSRB 8.4-2: do- Nandi wood reepers of size 50x25mm PWD 18-19,SI No.8.11	Sqm	350.21	895.40	313,576
31	Removing and fixing old Mangalore ridge tiles including pointing with C.M. 1:3. PWD 18-19,SI No.37.10,Pg No.267	Rmt	57.75	111.10	6,416
32	KSRB 15-17.19: Providing and applying painting one coat (excluding priming coat) on previously painted wood surface and / or wood based surface with black japan paint to give an even shade after cleaning the surface of all dirt, dust and foreign matter, including cost of materials, labour, complete as per specifications. PWD 18-19,SI No.15.71,Pg No.123	Sqm	133.28	61.60	8,210
33	KSRB 15-17.19:Applying additional one coat (excluding priming coat) on previously painted wood surface and / or wood based surface with black japan paint to give an even shade after cleaning the surface of all dirt, dust and foreign matter, including cost of materials, labour, complete as per specifications. PWD 18-19,SI No.15.72,Pg No.123	Sqm	133.28	55.00	7,330
34	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification PWD 18-19,SI No.10.5.1,Pg No 69	Sqm	114.24	578.60	66,099
35	KSRB 9.4-1 : Providing Teak wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications. Specification No. KBS 9.33. (P.No.53, I.No. 9.10 of PWD SR 2018-19)	Cum	6.52	235129.40	1,533,044

Sr .No.	Description	Unit	Quantity	Rate	Amount
36	Fabrication supplying and erecting M.S. Tubular Truss of all spans as per approved drawing and design with prefabricated steel applications using quality material and are durable, reliable and corrosion and abrasion resisitant. Welding shall confirm to latest structural welding code. Quality shall be on various parametres like shape, size, design gauge and polish. The entire truss is anchored in RCC column by using 4 Nos. of M.S. anchor bolts at each support, with 10mm thick base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S pipes and wleding wherever necessary, and applying one coat of red oxide primer coat to all themembers including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, etc., complete as per specification (P.No.43, SI.No. 7.29 of PWD SR 2018-19)	Kg	1200.00	122.10	146,520
37	Providing and fixing of pre pigmented extruded orange cement roof tiles of size 420mm x 330mm with necessary specials such as Ridges, Barges and Nails etc. including cast of providing PVC (6.00kgs/sq cm) gutters of min 6" radius and down water pipes of 4" dia as per the roof design on EXISTING MS/WOODEN ROOF or TRUSS. Including cost of materials, scaffoldings, labour etc., compelte as per specifications. (P.No.51, SI.No. 8.29 of PWD SR 2018-19)	Sqm	48.00	793.10	38,069
В	External Development - Softscape & Hardscape				
38	KSRRB M300- Planting and Maintaining of Flowering Plants and Shrubs KSRRB M300- 8.1. Planting and Maintaining of Flowering Plants and Shrubs - A) Planting flowring plants and shrubs in central verge MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149	Rmt	213.00	50.60	10,778
39	Providing and laying heavy duty Tactile Tiles (Direction and Stop tiles-300 x 300 mm) 60mm thick and Yellow in colour , using cement and course sand for manufacture of blocks of approved size, shape with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. (As Per EOI)	Sqm	116.80	912.00	106,522
	KSPPR M300-Turfing lawns with fine grassing including plaughing				
40	KSRRB M300-Turfing lawns with fine grassing including ploughing, dressing KSRRB M300-5. Turfing lawns with fine grassing including ploughing, dressing including breaking of clods, removal of rubbish, dressing and supplying doobs grass roots at 10 cm apart, including supplying and spreading of farm yard manure at rate of 0.6 cum per 100 sqm complete as per specifications. MORTH Specification No. 307 PWD SOR 18-19,SI No.19.82,Pg No149	Sqm	81.74	25.30	2,068
41	KSRRB M300- Maintenance of lawns with fine grassing for the first year KSRRB M300-6. Maintenance of lawns with fine grassing for the first year including watering etc complete as per specifications. MORTH Specification No. 307. PWD SOR 18-19,SI No.19.83,Pg No149	Sqm	81.74	101.20	8,272
42	Providing and laying artline grass pavers or equivalent block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge. (Non SOR)	Sqm	175.20	2067.00	362,138
43	Providing and fixing Vitrified glazed tiles of approved make, quality & colour of size 900 x 900 x 12mm thick fixed on bed of 12mm thick cement mortar for flooring, skirting and JOinted with neat cement slurry mixed with pigment to mach shade of tiles, including providing spacers at required interval and removing stains, including cost of all mateirals, mortar, labour, etc., Complete as per specification. (KPWD 18-19,SI.No.14.45.1)	Sqm	292.00	1446.50	422,378

Sr .No.	Description	Unit	Quantity	Rate	Amount
44	KSRB 2.9: Spreading and forming the excavated earth to required level, slope for an average thickness of 75mm. in all classes of soils including breaking clods and tamping manually alround the building and low laying areas complete as per specifications.specification. No. KBS: (KSRB 18-19,Pg No.7,SI No.2.16)	Sqm	595.00	9.90	5,891
45	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete. do- of size 450 x 150 x 400 mm (KSRRB 18-19,Pg No.27,SI No.5.29.1)	Nos	473.00	514.80	243,500
46	KSRB13-1.1: Providing and fixing to wall, ceiling and floor galvanised I mild steel tube nominal bore with fittings (medium grade weight 1.27 kglmtr) B class including cost of all materials, labour charges, HOM and testing complete as per specifications. Specification No.KBS 13.2.14 I 13.8 do- 40 mm dia (KSRB 18-19,Pg No.92,SI No.13.5)	Rmt	3.10	491.70	1,524
47	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 (KSRB 18-19,SI No.24.15)	Sqm	3.75	471.90	1,770
	GRAND TOTAL				8,874,070

GST @12% on SOR & Non SOR 8753260 1050391 GST @18% on Market 0 0

Executive Engineer MSCL Mangaluru

G M Technical MSCL Mangaluru

MANGALURU SMART CITY 1.3 Measurement of E-SMART SCHOOL - PANDESHWARA

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
1	KSRRB M200-7.1. Clearing grass and removal of rubbish by manual means and stacking outside the periphery of the area cleaned complete as per specifications. MORTH Specification No. 201						
	PWD 18-19,Page No 138,SI No.18.10) Total Area	Cam	4	2751.00	۸۳۵۵	1.87 2.00 2.10 1.60 2.00 1.50 0.60 0.90 1.20 1.60 2.00 1.50 0.60 0.90 1.20	2754.00
	Ded Ded	Sqm Sqm	<u>1</u> -1	881.00	Area Area		2751.00 -881.00
	550	Sqm	'	001.00	71100		1870.00
		Ha					0.187
2	KSRB 24-9: Cleaning and washing of stone masonry wall surface with nitric acid including cost of materials, labour, complete as per specifications. Specification No.KBS 18-19, (Page No 130,SI No: 16.4)						
	Compound wall - Front side	Sqm	2	42.00		1.87	156.80
	Right side	Sqm	2	53.00			212.00
	Left side	Sqm	2	64.00			268.80
	Back side Pillar	Sqm Sqm	2	54.00 3.20			172.80 12.80
	Piliai	Sqm		3.20	Total	2.00	823.20
		Sqiii			Total		023.20
3	Providing and construction laterite size stone masonary including cost and conveyance of all materials curing etc. complete as per specification.I.S.3620/1979 having compressive strength not less then 3.5N/mm2 for saturated dry samples.For super structure in CM 1:6 (Cement 45 kgs/M3) (KPWD 18-19,Page No 384,SI No : 42.5.3)						
	Compound wall - Front side	Cum	1	16.80	0.23	1.87	7.21
	Right side	Cum	1	21.20	0.23		9.75
	Left side	Cum	1	25.60	0.23	2.10	12.36
	Back side	Cum	1	21.60	0.23		7.95
	Pillar	Cum	2	1.28	0.23		1.18
	Tree Guard Sitting Arraangement	Cum Cum	10	25.00 1.50	0.23 0.23		5.75 5.18
	Ampitheter	Cum	10	13.00	0.23		3.59
	Amplificier	Cum	1	14.00	0.46		5.80
		Cum	1	15.00	0.46		8.28
	Total Quantity	Cum			Total		67.05
4	KSRB 15.3.10 Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry and concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. PWD 18-19,SI No.15.19,Pg No 116						
	Compound wall - Front side	Sqm	2	16.80		1.87	62.72
	Right side	Sqm	2	21.20		2.00	84.80
	Left side	Sqm	2	25.60		2.10	107.52
	Back side	Sqm	2	21.60		1.60	69.12
	Pillar	Sqm	2	1.28		2.00	5.12
	Tree Guard	Sqm	2	25.00		1.00	50.00
	Sitting Arraangement	Sqm	10	3.46		1.50	51.90
	Ampitheter	Sqm	2	13.00			7.80
	·	Sqm	2	14.00			16.80
		Sqm	2	15.00			27.00
	Total Quantity	Sqm			Total		482.78
5	KSRB 15-16.1: Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - do - with Primer PWD 18-19,SI No.15.53.2,Pg No 120						
	Compound wall - Front side	Sqm	2	42.00		1.87	156.80
	Compound Wall Tront Slate	oqiii		72.00		1.07	100.00

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	Right side	Sqm	2				212.00
	Left side	Sqm	2				268.80
	Back side	Sqm Sqm	2	San	172.80 12.80		
F F F F F F F F F F	Pillar Tree Guard	Sqm	2				50.00
	School	Sqiii		23.00		1.00	30.00
	Outside Building	Sqm	1	150.00		5.00	750.00
	Deduction Deduction	Oqiii		100.00		0.00	700.00
	Door-D	Sqm	-6	1.40		2.50	-21.00
	Door-D1	Sqm	-2				-4.28
	Door-D2	Sqm	-1				-2.52
	Window-W	Sqm	-1				-1.80
	Window-W1	Sqm	-20				-30.75
	Window-W2	Sqm	-10	1.26		1.22	-15.37
	Toilet Block						
	Outside area	Sqm	1	22.24		2.70	60.05
	Ded						
	Door-D	Sqm	-5				-6.30
	Door-D1	Sqm	-1				-2.52
	Ventilator-V	Sqm	-2	0.75		0.45	-0.68
	Old Anganavadi Block						
	Outside Building	Sqm	2	9.70		3.75	72.75
	Ded						
	Door-D	Sqm	-1				-2.06
<u> </u>	Window-W	Sqm	-4		2 .	1.20	-5.76
	Roof Sheet	Sqm	2		3.1		39.06
	Stage with steps side wall	Sqm	1			2.70 1.80 2.10 0.45 3.75 2.00 1.20 0.50 1.50 0.30 0.60 0.90 1 1.87	9.20
	Sitting Arraangement	Sqm	10				51.90
	Ampitheter	Sqm	2			0.30	7.80
		Sqm	2	14.00		0.60	16.80
		Sqm	2	15.00		0.90	27.00
		Sqm			Total		1814.72
6	primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, complete as per specifications. (KPWD 18-19,SI No.15.103)						
	Compound wall - Front side	Sgm	1	42.00		1.87	78.40
	School building all side	Sqm	1				180.00
		Sqm			Total		258.40
7	KSRRB MS00-10 Painting new letter and figures of any shade with synthetic enamel paint black or any other approved colour to give an even shade complete as per specifications. ("ii) English and Roman - Hyphen and the like not to be measured and paid for" MORTH Specification No.801 (KSRRB 18-19,SI No.24.10)						
	Total Qty-Name Plate, Signages & School Entrance signages	Cm	20	50.00			1000.00
	on wall	Cm			Total		1000.00
		OIII			i Ulai		1000.00
8	Cleaning RCC sump tanks and RCC overhead tanks with mechanical dewatering including removal of sludge, mud, dirt, algea etc and cleaning the wall surface of tanks using high pressure jet, vacuum cleaning and spraying anti bacterial treatment to the wall and ceiling surfaces and UV treatment, including removing of sludge etc, using suitable coconut broomstick, squeesers I wipers I rubber brushes, coir brushes, plastic buckets, mugs, dewatering using motor with portal arrangement, hose pipe etc., complete including all safety measures. (KPWD 18-19.SI No.10.7)						
	Total Qty	L	10000				10000.00
		Ltr			Total		10000.00
9	KSRB 15-18.3: Providing and applying enamel metal paint one coat (excluding priming coat) on previously painted steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. PWD 18-19,SI No.15.75,Pg No 123						

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	Entrance Gate MS Vertiacl Pipe support in Stage	Sqm Sqm	1 13	4.30 0.20		2.00 3.00	8.60 7.80
	We vertice in persupport in Grage	Sqm	10	0.20	Total	0.00	16.40
10	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 PWD 18-19,SI No.2.3,Pg No 6 School Building Toilet Block Old Anganavadi Block Ampitheater Entrance RCC Covered Drain	Cum Cum Cum Cum	1 1 1 1	150.00 22.24 19.40 14.00 8.25	0.30 0.30 0.30 3.50 10.00	0.45 0.45 0.45 0.30 0.70	20.25 3.00 2.62 14.70 57.75
	SWD-0.3m Clear Width SWD - 0.45m Clear Width	Cum Cum	1	133.20 127.31	0.80 0.95	0.87 1.05	92.17 126.99
	SWD - 0.45m Clear Width	Cum	1	127.31	1.10	1.05	171.77
	SWD Chamber	Cum	16	0.70	0.70	0.50	3.92
	UPVC Pipe	Cum	1	48.00	0.75	0.91	32.76
		Cum			Total		525.93
		Guill			IUIAI		J23.33
11	KSRB 4-1.6; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 ems. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2 PWD 18-19,SI No.4.6,Pg No 13 RCC Covered Drain						
	PCC for Raft						
	SWD-0.3m Clear Width SWD - 0.45m Clear Width	Cum Cum	1	133.20 127.31	0.80 0.95	0.10 0.10	10.66 12.09
	SWD - 0.4311 Clear Width	Cum	1	127.31	1.10	0.10	14.02
	SWD Chamber	Cum	16	0.70	0.70	0.10	
	PCC for Entrance area	Cum	1	8.25	10.00	0.10	8.25
		Cum			Total		45.80
12	KSRB 14.9-2: Providing and laying M-15 cement concrete flooring 60 mm thick with metallic concrete hardner topping, under layer of 45mm thick M-15 cernent concrete using broken granite metal of 20mm and down size and top layer of 15mm thick metallic cement hardner consisting of mix 1:2 (1 cement hardner mix: 2 granite metal 10mm nominal size) by volurne, with metalic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement= 1 part of metallic floor hardening compound of approved quality by wt), including finishing, cost of materials, labour, curing, complete as per specifications. Specification No. KBS 14.4 PWD 18-19,SI No.14.14						20.50
-	M15 Cement Concrete flooring for Entrance area	Sqm Sqm	1	8.25	10.00 Total		82.50 82.50
		Sqiii			IUIdi		02.50
13	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregates @ 0.47cum, with super plasticisers @ 3 liters conforming to IS 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedestrals, retaining walls, returnwalls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. PWD 18-19,SI No.4.10,Pg No 14						

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	RCC Covered Drain						
	Raft						
	SWD-0.3m Clear Width	Cum	1	133.20	0.50		9.99
	SWD - 0.45m Clear Width	Cum	1	127.31	0.65		12.41
	SWD - 0.60m Clear Width	Cum	1	127.47	0.80		15.30
	SWD Chamber	Cum	16	0.50	0.50	0.15 0.15 0.15 0.10 0.465 0.825 0.30 0.15 0.15 0.15 0.15	0.40
	Side wall SWD-0.3m Clear Width	Cum	2	122.20	0.10	0.465	10.00
	SWD - 0.45m Clear Width	Cum	2 2	133.20 127.31	0.10 0.10		12.39 16.55
	SWD - 0.60m Clear Width	Cum	2	127.47	0.10		21.03
	SWD Chamber	Cum	16	1.20	0.10		0.58
	Covered Slab	Odili	10	1.20	0.10	0.00	0.00
	SWD-0.3m Clear Width	Cum	1	133.20	0.30	0.15	5.99
	SWD - 0.45m Clear Width	Cum	1	127.31	0.45		8.59
	SWD - 0.60m Clear Width	Cum	1	127.47	0.60	0.15 0.15 0.10 0.465 0.825 0.30 0.15 0.15 0.15 0.15 0.15	11.47
		Cum					114.70
14	Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete with all lead lifts and as per specifications and directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18				Kg/Cum		
	RCC Covered Drain						
	Raft	Kg	1	38.10	75		2857.50
	Side wall	Kg	1	50.55	75		3791.25
	Covered Slab	Kg	1	26.05	75		1953.75
		Kg					8602.50
		MT					8.60
15	Providing and removing, centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications PWD 18-19,SI No.4.28,Pg No 16						
	RCC Covered Drain						
	Raft side						
	SWD-0.3m Clear Width	Sqm	2	133.20		0.15	39.96
	SWD - 0.45m Clear Width	Sqm	2	127.31			38.19
	SWD - 0.60m Clear Width	Sqm	2	127.47		0.15	38.24
	SWD Chamber	Sqm	16	2.00		0.10	3.20
	RCC Covered Drain						
	Slab Bottom						
	SWD-0.3m Clear Width	Sqm	1	133.20	0.30		39.96
	SWD - 0.45m Clear Width	Sqm	1	127.31	0.45		57.29
	SWD - 0.60m Clear Width	Sqm	1	127.47	0.60		76.48
	Slab side	C		100.00		0.45	00.00
	SWD-0.3m Clear Width	Sqm	2	133.20 127.31	 		39.96
	SWD - 0.45m Clear Width SWD - 0.60m Clear Width	Sqm Sqm	2	127.31	 		38.19 38.24
	Total Qty	Sqm		121.41		0.15	409.71
	Total stry	Jqiii		 			403.71
16	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses plinth cills and string courses cost of all materials, labour complete as per specifications. PWD 18-19,SI No.4.31,Pg No 16						
	PCC Covered Proin						
	RCC Covered Drain			1			
	Wall side SWD-0.3m Clear Width	C~~-	4	122.00		0.405	047.75
	LOVYLI-U 3M CJEST VVIOTO	Sqm	4	133.20	1	0.465	247.75 331.01
		Cam	1	10/01			
	SWD - 0.45m Clear Width	Sqm	4	127.31 127.47		0.65	
	SWD - 0.45m Clear Width SWD - 0.60m Clear Width	Sqm	4	127.47		0.825	420.65
	SWD - 0.45m Clear Width						

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
17	KSRRB M2200 - Providing Weep holes Providing weep holes in Brick masonry / Plain / Reinforced concrete abutment, wing wall / return wall with 100mm dia AC pipe, extending through the full width of the structure with slope of 1V:20H towards drawing force complete as per drawing and Technical specifications complete as per specifications. PWD 18-19,SI No.28.10,Pg No 229						
	RCC Covered Drain						
	SWD Chamber	Nos	32.00				32.00
		Nos					32.00
18	KSRB 2-4: Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications. PWD 18-19,SI No.2.11,Pg No 7						
	RCC Covered Drain						
	Total Excavated Qty	Cum	1				427.61
	PCC Qty RCC Qty	Cum Cum	-1 -1				-37.55 -114.70
	UPVC Pipe 110mm Dia	Cum	-1	48.00	0.01		-114.70
	Total Qty	Cum	'	40.00	0.01		274.90
19	Providing and fixing unplasticised PVC pipes with working pressure 10 kg/sq.cm with pipe fittings, clips, making good the floor, including cost of all materials, labour charges, HOM and testing complete as per specifications. KSRB 18-19,Pg No.77,SI No.11.56.2						
	do- with 110mm outer dia						
	RCC Covered Drain	Rmt	1.00	48.00			48.00
		Rmt					48.00
20	Providing & Fixing CI Grating (325 x 325mm) for road gully cover including fixing the cover and CM 1:3 Plastering 20mm thick to all exposed faces curing for 90 days with all lead including cost of plastering but excluding cost of concrete etc,completete (As Per EOI)						
	SWD Chamber	Each	16.00				16.00
		Each					16.00
21	KSRB 24-44: Repairs to plaster in patches of 2.5 sqm and less in walls, ceilings 10 to 20mm thick in cement mortar 1:4 including cutting the patches in proper shape and replastering the surface of the wall including disposal of rubbish with a lead of 50m including curing cost of materials, labour, complete as per specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133						
	School Building						
	Outside wall Toilet Block	Sqm	1	150.00		5.00	750.00
	Outside wall	Sqm	1	22.24		2.70	60.05
	Ramp	Sqm	1	1.50		0.25	0.38
	Old anganavadi Block	Sqm	1	19.40		3.75	72.75
	Stage with steps side wall	Sqm	1	18.40		0.50	9.20
	Tartal 2007 Occasión	Sqm			Total		892.38
	Total 30% Quantity	Sqm			Total		267.71
22	Providing and fixing Special make glazed Vitrified tiles (Granomite finish) of approved make, quality and colour of size 600x600x10mm thick fixed on existing flooring with a special adhesive for flooring and skirting etc., complete including providing spears at required interval and removing stains etc., complete. (P.No. 109, I.No. 14.43 of SR 2018-19).						
	School Building						
	Staff Room	Sqm	1	3.30	5.80		19.14
	Skirting	Sqm	1	18.20		0.15	2.73
	School Building Class Room	Sqm	2	4.59	15.15		139.08
	Skirting	Sqm	2	39.48	70.10	0.15	11.84
	Class Room With Stage	Sqm	1	15.15	5.80		87.87

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	Stage	Sqm	1	3.85	5.80		22.33
	Skirting	Sqm	1	41.90		0.15	6.29
	Class Room	Sqm	1	5.70	6.30		35.91
	Skirting	Sqm	1	24.00	4.00	0.15	3.60
	Corridor Corridor	Sqm Sqm	1	18.50 96.00	1.80 1.80		33.30 172.80
	Skirting	Sqm	1	114.50	1.00	0.15	172.00
	Old Anganavadi Block					5110	
	Class Room	Sqm	1	3.84	4.94		18.97
	Skirting	Sqm	1	17.56		0.15	2.63
	Total Qty	Sqm			Total		573.67
	Providing and laying of teak wooden polished flooring of 12mm						
	thick, high density timber of approved colour and design with						
	end trims, transition, profiles, beading, 15mm thick felt, and 20						
23	micron polyester film with 4mm thick foam underlay etc.,						
	(P.No.113, I.No.14.70 of PWD SR 2018-19)						
	School Building						
	Principal Chamber	Sqm	1	5.70	6.10		34.75
	Skirting	Sqm	1	23.59		0.15	3.54
	Total Qty	Sqm			Total		38.29
	VODD 44.44.5. Devices On the Control of the Control						
	KSRB 14.14-5: Providing Ceramic tiles of approved						
	make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush						
	pointing with white cement using colour pigment, including						
24	cost of materials, labour, curing, complete as per						
	specifications for Ceramic Tiles of size 30x30cms 6mm thick.						
	PWD 18-19,SI No.14.36.2,Pg No.107 and 108						
	Toilet Block						
	Toilet 1	Sqm	1	0.95	1.86		1.77
	Toilet 2	Sqm	1	0.75	1.86		1.40
	Toilet 3	Sqm	1	0.75	1.86		1.40
	Toilet 4 Toilet 5	Sqm	1	0.69	1.86 1.86		1.28
	Toilet 6	Sqm Sqm	1	1.75 1.75	2.60		3.26 4.55
	Washroom Area	Sqm	1	1.84	2.60		4.77
	Toilet 1 Dadoo	Sqm	1	5.62		1.80	10.12
	Toilet 2 Dadoo	Sqm	1	5.22		1.80	9.40
	Toilet 3 Dadoo	Sqm	1	5.22		1.80	9.40
	Toilet 4 Dadoo	Sqm	1	5.10		1.80	9.18
	Toilet 5 Dadoo Toilet 6 Dadoo	Sqm Sqm	1	7.22 8.70		1.80 1.80	13.00 15.66
	Ded	Sqiii	I.	6.70		1.00	15.00
	Door-D	Sqm	-6	0.70		1.80	-7.56
	Door-D1	Sqm	-1	1.20		2.00	-2.40
	Ventilator-V	Sqm	-2	0.75		0.45	-0.68
	Stage Flooring	Sqm	1	7.00	5.70		39.90
	Total Qty	Sqm			Total		114.45
	Providing and laying pattern flooring for staircase treads and						
	risers using the combination of 20mm thick ruby red granite @						
	66%,20 mm thick grey granite @ 20%, 20mm thick, 20mm thick black granite 14%. The granite materials are laid on						
25	existing bed of CM 1:3 20mm thick pointed with colour						
	pigment, including full rounding for nosing, flaming the ruby red						
	granite for 50 mm wide curing etc., complete as per						
	specification. (P.No. 109, I.No. 14.46 of PWD SR 2018-19)						
	· ·						
	School Building	0	4	0.00	0.00		
	Entry Step Tread	Sqm	1	3.80	0.30 0.30		1.14
	Entry Step Tread Entry Step Tread	Sqm Sqm	1	5.00 6.20	0.30		1.50 1.86
	Entry Step Tread	Sqm	3	5.20	0.30		4.68
	Entry Step Tread	Sqm	3	6.40	0.30		5.76
	Entry Step Tread	Sqm	3	7.60	0.30		6.84
	Riser	Sqm	1	3.80		0.15	0.57
	Riser	Sqm	1	5.00		0.15	0.75
	Riser	Sqm	1	6.20	2.22	0.15	0.93
	Riser	Sqm	3	5.20	0.30		4.68
	Riser Riser	Sqm Sqm	3	6.40 7.60	0.30 0.30		5.76 6.84
	Stage Step	Sqiff	<u> </u>	7.00	0.30		0.64
	Tread	Sqm	8	1.00	0.25		2.00
		Sqm	12	1.00	·	0.15	1.80

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	Toilet Block Ramp	Sqm	1	1.50	1.20		1.80
	Old Anganavadi Block	- 1					
	Entry Step Tread	Sqm	3	1.02	0.20		0.61
	Entry Step Riser	Sqm	4	1.02		0.15	0.61
	Sitting arrangement	Sqm	10	1.60	0.23		3.68
	Ampitheter	Sqm	1	13.00	0.50		6.50
		Sqm	1	14.00	0.50		7.00
		Sqm	1	15.00	0.50		7.50
	Total Qty	Sqm			Total		72.81
	Repairing door and window frames with available wood to the						
26	required size. PWD 18-19,SI No.37.12,Pg No 267						
	School Building						
	Door-D	Sqm	8	1.40		2.50	28.00
	Door-D1	Sqm	2	1.07		2.00	4.00
	Door-D2	Sqm	1	1.20		2.10	3.00
	Window-W	Sqm	1	1.20		1.50	2.00
	Window-W1	Sqm	20	1.25		1.25	31.00
	Window-W2	Sqm	10	1.26		1.22	15.00
	Old Anganavadi	Cam	4	1.02		2.00	2.00
	Door	Sqm	1	1.03	Total	2.00	2.00
	Total 70% Quantity	Sqm			Total Total		85.00 59.50
	Total 70% Quantity	Sqm			rotal		39.5 0
27	Repairing and fixing shutters (panelled or glazed) to doors, windows, ventilators and cupboards. PWD 18-19,SI No.37.13,Pg No.267						
	School Building			4.40		0.50	00.00
	Door-D	Sqm	8	1.40		2.50	28.00
	Door-D1 Door-D2	Sqm	2	1.07		2.00	4.00
	Window-W	Sqm	1	1.20		2.10	3.00 2.00
		Sqm		1.20		1.50	
	Window-W1	Sqm	20	1.25		1.25	31.00
	Window-W2	Sqm	10	1.26		1.22	15.00
	Old Anganavadi	0	4	4.00		0.00	2.00
	Door	Sqm	1	1.03		2.00	2.00
	Total 70% Quantity	Sqm			Total		85.00 59.50
28	KSRB 15-15.1: Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth,						
	cost of materials, labour, complete as per specifications do- with primer PWD 18-19,SI No.15.51.2,Pg No.119						
	- do- with primer PWD 18-19,SI No.15.51.2,Pg No.119 School Building						
	- do- with primer PWD 18-19,SI No.15.51.2,Pg No.119 School Building Class room	Sqm	4	19.75		4.70	
	- do- with primer PWD 18-19,SI No.15.51.2,Pg No.119 School Building Class room Staff Room	Sqm	2	9.10		4.70	86.00
	- do- with primer PWD 18-19,SI No.15.51.2,Pg No.119 School Building Class room Staff Room Stage	Sqm Sqm	2	9.10 5.80		4.70 0.45	86.00 3.00
	- do- with primer PWD 18-19,SI No.15.51.2,Pg No.119 School Building Class room Staff Room Stage Stage	Sqm Sqm Sqm	2 1 3	9.10 5.80 13.50		4.70 0.45 4.25	86.00 3.00 172.00
	- do- with primer PWD 18-19,SI No.15.51.2,Pg No.119 School Building Class room Staff Room Stage Stage Class room	Sqm Sqm Sqm Sqm	2 1 3 2	9.10 5.80 13.50 20.95		4.70 0.45 4.25 4.70	86.00 3.00 172.00 197.00
	- do- with primer PWD 18-19,SI No.15.51.2,Pg No.119 School Building Class room Staff Room Stage Stage Class room Class room Class room	Sqm Sqm Sqm Sqm Sqm	2 1 3 2 2	9.10 5.80 13.50 20.95 12.00		4.70 0.45 4.25 4.70 4.70	86.00 3.00 172.00 197.00 113.00
	- do- with primer PWD 18-19,SI No.15.51.2,Pg No.119 School Building Class room Staff Room Stage Stage Class room Class room Class room Class room	Sqm Sqm Sqm Sqm	2 1 3 2	9.10 5.80 13.50 20.95		4.70 0.45 4.25 4.70	86.00 3.00 172.00 197.00 113.00
	- do- with primer PWD 18-19,SI No.15.51.2,Pg No.119 School Building Class room Staff Room Stage Stage Class room Class room Class room Class room Ded	Sqm Sqm Sqm Sqm Sqm	2 1 3 2 2 2	9.10 5.80 13.50 20.95 12.00 11.80		4.70 0.45 4.25 4.70 4.70 4.70	86.00 3.00 172.00 197.00 113.00 111.00
	- do- with primer PWD 18-19,SI No.15.51.2,Pg No.119 School Building Class room Staff Room Stage Stage Class room Class room Class room Class room Ded Door-D	Sqm Sqm Sqm Sqm Sqm Sqm	2 1 3 2 2 2 2	9.10 5.80 13.50 20.95 12.00 11.80		4.70 0.45 4.25 4.70 4.70 4.70	86.00 3.00 172.00 197.00 113.00 111.00
	- do- with primer PWD 18-19,SI No.15.51.2,Pg No.119 School Building Class room Staff Room Stage Stage Class room Class room Class room Class room Ded Door-D Door-D1	Sqm Sqm Sqm Sqm Sqm Sqm	2 1 3 2 2 2 2 2	9.10 5.80 13.50 20.95 12.00 11.80 1.40 1.07		4.70 0.45 4.25 4.70 4.70 4.70 2.50 2.00	371.00 86.00 3.00 172.00 197.00 113.00 111.00
	- do- with primer PWD 18-19,SI No.15.51.2,Pg No.119 School Building Class room Staff Room Stage Stage Class room Class room Class room Class room Ded Door-D Door-D1 Door-D2	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	2 1 3 2 2 2 2 2 -8 -2 -1	9.10 5.80 13.50 20.95 12.00 11.80 1.40 1.07 1.20		4.70 0.45 4.25 4.70 4.70 4.70 2.50 2.00 2.10	86.00 3.00 172.00 197.00 113.00 111.00 -28.00 -4.00
	- do- with primer PWD 18-19,SI No.15.51.2,Pg No.119 School Building Class room Staff Room Stage Stage Class room Class room Class room Ded Door-D Door-D1 Door-D2 Window-W	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	2 1 3 2 2 2 2 2 -8 -2 -1 -1	9.10 5.80 13.50 20.95 12.00 11.80 1.40 1.07 1.20 1.20		4.70 0.45 4.25 4.70 4.70 4.70 2.50 2.00 2.10 1.50	86.00 3.00 172.00 197.00 113.00 111.00 -28.00 -4.00 -3.00
	- do- with primer PWD 18-19,SI No.15.51.2,Pg No.119 School Building Class room Staff Room Stage Stage Class room Class room Class room Ded Door-D Door-D1 Door-D2 Window-W Window-W1	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	2 1 3 2 2 2 2 2 -8 -2 -1 -1 -20	9.10 5.80 13.50 20.95 12.00 11.80 1.40 1.07 1.20 1.20 1.25		4.70 0.45 4.25 4.70 4.70 4.70 2.50 2.00 2.10 1.50	86.00 3.00 172.00 197.00 113.00 1111.00 -28.00 -4.00 -3.00 -2.00
	- do- with primer PWD 18-19,SI No.15.51.2,Pg No.119 School Building Class room Staff Room Stage Stage Class room Class room Class room Class room Ded Door-D Door-D1 Door-D2 Window-W Window-W1 Window-W2	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	2 1 3 2 2 2 2 2 -8 -2 -1 -1	9.10 5.80 13.50 20.95 12.00 11.80 1.40 1.07 1.20 1.20		4.70 0.45 4.25 4.70 4.70 4.70 2.50 2.00 2.10 1.50	86.00 3.00 172.00 197.00 113.00 1111.00 -28.00 -4.00 -3.00
	- do- with primer PWD 18-19,SI No.15.51.2,Pg No.119 School Building Class room Staff Room Stage Stage Class room Class room Class room Ded Door-D Door-D1 Door-D2 Window-W Window-W1 Window-W2 Toilet Block	Sqm	2 1 3 2 2 2 2 2 -8 -2 -1 -1 -20 -10	9.10 5.80 13.50 20.95 12.00 11.80 1.40 1.07 1.20 1.20 1.25 1.26		4.70 0.45 4.25 4.70 4.70 4.70 2.50 2.00 2.10 1.50 1.25	86.00 3.00 172.00 197.00 113.00 1111.00 -28.00 -4.00 -3.00 -2.00 -31.00
	- do- with primer PWD 18-19,SI No.15.51.2,Pg No.119 School Building Class room Staff Room Stage Stage Class room Class room Class room Class room Ded Door-D Door-D1 Door-D2 Window-W Window-W1 Window-W2 Toilet Block Toilet 1	Sqm	2 1 3 2 2 2 2 2 -8 -2 -1 -1 -20 -10	9.10 5.80 13.50 20.95 12.00 11.80 1.40 1.07 1.20 1.20 1.25 1.26		4.70 0.45 4.25 4.70 4.70 4.70 2.50 2.00 2.10 1.50 1.25 1.22	86.00 3.00 172.00 197.00 113.00 1111.00 -28.00 -4.00 -3.00 -2.00 -31.00 -15.00
	- do- with primer PWD 18-19,SI No.15.51.2,Pg No.119 School Building Class room Staff Room Stage Stage Class room Class room Class room Class room Ded Door-D Door-D1 Door-D2 Window-W Window-W1 Window-W2 Toilet Block Toilet 1 Toilet 2	Sqm	2 1 3 2 2 2 2 -8 -2 -1 -1 -20 -10	9.10 5.80 13.50 20.95 12.00 11.80 1.40 1.07 1.20 1.20 1.25 1.26		4.70 0.45 4.25 4.70 4.70 4.70 2.50 2.00 2.10 1.50 1.25 1.22 2.50 2.50	86.00 3.00 172.00 197.00 113.00 1111.00 -28.00 -4.00 -3.00 -2.00 -31.00 -15.00 14.00
	- do- with primer PWD 18-19,SI No.15.51.2,Pg No.119 School Building Class room Staff Room Stage Stage Class room Class room Class room Class room Ded Door-D Door-D1 Door-D2 Window-W Window-W1 Window-W2 Toilet Block Toilet 1 Toilet 2 Toilet 3	Sqm	2 1 3 2 2 2 2 -8 -2 -1 -1 -20 -10	9.10 5.80 13.50 20.95 12.00 11.80 1.40 1.07 1.20 1.20 1.25 1.26 2.81 2.61 2.61		4.70 0.45 4.25 4.70 4.70 4.70 2.50 2.00 2.10 1.50 1.25 1.22 2.50 2.50 2.50	86.00 3.00 172.00 197.00 113.00 111.00 -28.00 -4.00 -3.00 -15.00 -14.00 13.00 13.00
	- do- with primer PWD 18-19,SI No.15.51.2,Pg No.119 School Building Class room Staff Room Stage Stage Class room Class room Class room Ded Door-D Door-D1 Door-D2 Window-W Window-W1 Window-W2 Toilet Block Toilet 1 Toilet 2 Toilet 3 Toilet 4	Sqm	2 1 3 2 2 2 2 -8 -2 -1 -1 -20 -10 2 2 2	9.10 5.80 13.50 20.95 12.00 11.80 1.40 1.07 1.20 1.25 1.26 2.81 2.61 2.61 2.55		4.70 0.45 4.25 4.70 4.70 4.70 2.50 2.00 2.10 1.50 1.25 1.22 2.50 2.50 2.50 2.50	86.00 3.00 172.00 197.00 113.00 111.00 -28.00 -4.00 -3.00 -2.00 -31.00 113.00 13.00 13.00 13.00
	- do- with primer PWD 18-19,SI No.15.51.2,Pg No.119 School Building Class room Staff Room Stage Stage Class room Class room Class room Class room Ded Door-D Door-D1 Door-D2 Window-W Window-W1 Window-W2 Toilet Block Toilet 1 Toilet 2 Toilet 3 Toilet 4 Toilet 5	Sqm	2 1 3 2 2 2 2 2 -8 -2 -1 -1 -20 -10 2 2 2 2	9.10 5.80 13.50 20.95 12.00 11.80 1.40 1.07 1.20 1.25 1.26 2.81 2.61 2.61 2.55 3.61		4.70 0.45 4.25 4.70 4.70 4.70 2.50 2.00 2.10 1.50 1.25 1.22 2.50 2.50 2.50 2.50 2.50	86.00 3.00 172.00 197.00 113.00 111.00 -28.00 -4.00 -3.00 -31.00 -15.00 14.00 13.00 13.00 13.00 18.00
	- do- with primer PWD 18-19,SI No.15.51.2,Pg No.119 School Building Class room Staff Room Stage Stage Class room Class room Class room Class room Ded Door-D Door-D1 Door-D2 Window-W Window-W1 Window-W2 Toilet Block Toilet 1 Toilet 2 Toilet 3 Toilet 4 Toilet 5 Toilet 6	Sqm	2 1 3 2 2 2 2 2 -8 -2 -1 -1 -20 -10 2 2 2 2 2	9.10 5.80 13.50 20.95 12.00 11.80 1.40 1.07 1.20 1.25 1.26 2.81 2.61 2.61 2.55 3.61 4.35		4.70 0.45 4.25 4.70 4.70 4.70 2.50 2.00 2.10 1.50 1.25 1.22 2.50 2.50 2.50 2.50 2.50 2.50 2.50	86.00 3.00 172.00 197.00 113.00 111.00 -28.00 -4.00 -3.00 -31.00 -15.00 14.00 13.00 13.00 13.00 18.00 22.00
	- do- with primer PWD 18-19,SI No.15.51.2,Pg No.119 School Building Class room Staff Room Stage Stage Class room Class room Class room Class room Ded Door-D Door-D1 Door-D2 Window-W Window-W1 Window-W2 Toilet Block Toilet 1 Toilet 2 Toilet 3 Toilet 4 Toilet 5 Toilet 6 Washroom Area	Sqm	2 1 3 2 2 2 2 2 -8 -2 -1 -1 -20 -10 2 2 2 2	9.10 5.80 13.50 20.95 12.00 11.80 1.40 1.07 1.20 1.25 1.26 2.81 2.61 2.61 2.55 3.61		4.70 0.45 4.25 4.70 4.70 4.70 2.50 2.00 2.10 1.50 1.25 1.22 2.50 2.50 2.50 2.50 2.50	86.00 3.00 172.00 197.00 113.00 111.00 -28.00 -4.00 -3.00 -31.00 -15.00 14.00 13.00 13.00 13.00 18.00 22.00
	- do- with primer PWD 18-19,SI No.15.51.2,Pg No.119 School Building Class room Staff Room Stage Stage Class room Class room Class room Class room Ded Door-D Door-D1 Door-D2 Window-W Window-W1 Window-W2 Toilet Block Toilet 1 Toilet 2 Toilet 3 Toilet 4 Toilet 5 Toilet 6 Washroom Area Ded	Sqm	2 1 3 2 2 2 2 2 2 -1 -1 -20 -10 2 2 2 2 2 2 2	9.10 5.80 13.50 20.95 12.00 11.80 1.40 1.07 1.20 1.25 1.26 2.81 2.61 2.61 2.55 3.61 4.35 4.44		4.70 0.45 4.25 4.70 4.70 4.70 2.50 2.00 2.10 1.50 1.25 1.22 2.50 2.50 2.50 2.50 2.50 2.50 2.50 2.50	86.00 3.00 172.00 197.00 113.00 111.00 -28.00 -4.00 -3.00 -2.00 -31.00 13.00 13.00 13.00 18.00 22.00 22.00
	- do- with primer PWD 18-19,SI No.15.51.2,Pg No.119 School Building Class room Staff Room Stage Stage Class room Class room Class room Class room Ded Door-D Door-D1 Door-D2 Window-W Window-W1 Window-W2 Toilet Block Toilet 1 Toilet 2 Toilet 3 Toilet 4 Toilet 5 Toilet 6 Washroom Area Ded Door-D Class Tome Door-D Door-D	Sqm	2 1 3 2 2 2 2 2 -8 -2 -1 -1 -20 -10 2 2 2 2 2 2 2	9.10 5.80 13.50 20.95 12.00 11.80 1.40 1.07 1.20 1.25 1.26 2.81 2.61 2.61 2.61 2.55 3.61 4.35 4.44		4.70 0.45 4.25 4.70 4.70 4.70 2.50 2.00 2.10 1.50 1.25 1.22 2.50 2.50 2.50 2.50 2.50 2.50 2.50 2.50	86.00 3.00 172.00 197.00 113.00 111.00 -28.00 -4.00 -3.00 -2.00 -31.00 13.00 13.00 13.00 18.00 22.00 22.00
	- do- with primer PWD 18-19,SI No.15.51.2,Pg No.119 School Building Class room Staff Room Stage Stage Class room Class room Class room Class room Ded Door-D Door-D1 Door-D2 Window-W Window-W1 Window-W2 Toilet Block Toilet 1 Toilet 2 Toilet 3 Toilet 4 Toilet 5 Toilet 6 Washroom Area Ded Door-D	Sqm	2 1 3 2 2 2 2 2 -8 -2 -1 -1 -20 -10 2 2 2 2 2 2 2 2	9.10 5.80 13.50 20.95 12.00 11.80 1.40 1.07 1.20 1.25 1.26 2.81 2.61 2.61 2.55 3.61 4.35 4.44		4.70 0.45 4.25 4.70 4.70 4.70 2.50 2.00 2.10 1.50 1.25 1.22 2.50 2.50 2.50 2.50 2.50 2.50 2.50 2.50 2.50	86.00 3.00 172.00 197.00 113.00 111.00 -28.00 -4.00 -3.00 -31.00 -15.00 13.00 13.00 13.00 18.00 22.00 22.00 -8.00 -2.00 -2.00
	- do- with primer PWD 18-19,SI No.15.51.2,Pg No.119 School Building Class room Staff Room Stage Stage Class room Class room Class room Class room Ded Door-D Door-D1 Door-D2 Window-W Window-W1 Window-W2 Toilet Block Toilet 1 Toilet 2 Toilet 3 Toilet 4 Toilet 5 Toilet 6 Washroom Area Ded Door-D Class Tome Door-D Door-D	Sqm	2 1 3 2 2 2 2 2 -8 -2 -1 -1 -20 -10 2 2 2 2 2 2 2	9.10 5.80 13.50 20.95 12.00 11.80 1.40 1.07 1.20 1.25 1.26 2.81 2.61 2.61 2.61 2.55 3.61 4.35 4.44	Area	4.70 0.45 4.25 4.70 4.70 4.70 2.50 2.00 2.10 1.50 1.25 1.22 2.50 2.50 2.50 2.50 2.50 2.50 2.50 2.50	86.00 3.00 172.00 197.00 113.00 111.00 -28.00 -4.00 -3.00 -21.00 -15.00 14.00 13.00 13.00

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	Class Room	Sqm	2	8.78		3.30	58.00
	Ded	Sqm					0.00
	Door-D	Sqm	-1	1.03		2.00	-2.00
	Window-W	Sqm	-4	1.20		1.20	-6.00
	Total Quantity	Sqm			Total		1152.00
29	Supplying and fixing new Mangalore tiles on existing reepers. PWD 18-19,SI No.37.9,Pg No.267						
	School Building	Sqm	1				875.52
		Sqm			Total		875.52
	Total 60% Quantity	Sqm					525.31
30	KSRB 8.4: Providing and fixing Mangalore tile roofing using first class tiles with necessary special tiles for ridges and hips, wood reepers and pointed with cement mortar 1:4 over the existing rafters including cost of materials, labour, curing complete as per specifications. Specification No. KBS 8.17KSRB 8.4-2: do- Nandi wood reepers of size 50x25mm PWD 18-19,SI No.8.11						
	School Building	Sqm	1				875.52
	, and the second	Sqm			Total		875.52
	Total 40% Quantity	Sqm					350.21
31	Removing and fixing old Mangalore ridge tiles including pointing with C.M. 1:3. PWD 18-19,SI No.37.10,Pg No.267						
	School Building	Rmt	1	77.00			77.00
		Rmt			Total		77.00
	Total 75% Quantity	Rmt					57.75
32	KSRB 15-17.19: Providing and applying painting one coat (excluding priming coat) on previously painted wood surface and / or wood based surface with black japan paint to give an even shade after cleaning the surface of all dirt, dust and foreign matter, including cost of materials, labour, complete as per specifications. PWD 18-19,SI No.15.71,Pg No.123						
	School Building						
	Door-D	Sqm	8	1.40		2.50	28.00
	Door-D1	Sam	2	1.07		2.00	4.28
	Door-D2	Sqm	1	1.20		2.10	2.52
	Window-W	Sqm	1	1.20		1.50	1.80
	Window-W1	Sqm	20	1.25		1.25	31.25
	Window-W2	Sqm	10	1.26		1.22	15.37
	Wooden Column	Sqm	48	0.40		2.50	48.00
	Old Anganavadi Block Door	Sqm	1	1.03		2.00	2.06
		Sqm	'	1.03	Total	2.00	133.28
33	KSRB 15-17.19:Applying additional one coat (excluding priming coat) on previously painted wood surface and / or wood based surface with black japan paint to give an even shade after cleaning the surface of all dirt, dust and foreign matter, including cost of materials, labour, complete as per specifications. PWD 18-19,SI No.15.72,Pg No.123						
	School Building		İ				
	Door-D	Sqm	8	1.40		2.50	28.00
	Door-D1	Sqm	2	1.07		2.00	4.28
	Door-D2	Sqm	1	1.20		2.10	2.52
	Window W1	Sqm Sqm	1 20	1.20 1.25		1.50 1.25	1.80
	Window-W1 Window-W2	Sqm	10	1.25		1.25	31.25 15.37
	Wooden Column	Sqm	48	0.40		2.50	48.00
	Old Anganavadi Block		70	0.70		2.50	70.00
	Door	Sqm	1	1.03		2.00	2.06
	2001	Sqm	-		Total	2.00	133.28

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
34	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification PWD 18-19,SI No.10.5.1,Pg No 69						
	School Building	Sqm	1	150.00		0.45	67.50
	Toilet Block	Sqm	1	22.24		0.45	10.01
	Toilet Rcc Slab	Sqm	1	28.00	Area		28.00
	Old Anganavadi Block	Sqm	1	19.40		0.45	8.73
		Sqm			Total		114.24
35	KSRB 9.4-1: Providing Teak wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications. Specification No. KBS 9.33. (P.No.53, I.No. 9.10 of PWD SR 2018-19)						
	Wooden Pergola	Cum	1.00	19.00	5.00	0.035	3.33
	-	Cum	2.00	19.00	0.035	2.40	3.19
		Cum			Total		6.52
36	Fabrication supplying and erecting M.S. Tubular Truss of all spans as per approved drawing and design with prefabricated steel applications using quality material and are durable, reliable and corrosion and abrasion resisitant. Welding shall confirm to latest structural welding code. Quality shall be on various parametres like shape, size, design gauge and polish. The entire truss is anchored in RCC column by using 4 Nos. of M.S. anchor bolts at each support, with 10mm thick base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S pipes and wleding wherever necessary, and applying one coat of red oxide primer coat to all themembers including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, etc., complete as per specification (P.No.43, SI.No. 7.29 of PWD SR 2018-19)	1/-		200		Kg/Sqm	4200.00
	Stage	Kg Kg	1	8.00	6.00	25	1200.00 1200.00
		פייש	1				1200.00
37	Providing and fixing of pre pigmented extruded orange cement roof tiles of size 420mm x 330mm with necessary specials such as Ridges, Barges and Nails etc. including cast of providing PVC (6.00kgs/sq cm) gutters of min 6" radius and down water pipes of 4" dia as per the roof design on EXISTING MS/WOODEN ROOF or TRUSS. Including cost of materials, scaffoldings, labour etc., compelte as per specifications. (P.No.51, SI.No. 8.29 of PWD SR 2018-19)						
	Stage	Sqm	1	8.00	6.00		48.00
		Sqm					48.00
38	KSRRB M300- Planting and Maintaining of Flowering Plants and Shrubs KSRRB M300- 8.1. Planting and Maintaining of Flowering Plants and Shrubs - A) Planting flowring plants and shrubs in central verge MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149	Dmt	1.00	212.00			242.00
	Total Area	Rmt	1.00	213.00	<u> </u>	1	213.00

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	Total Qty	Rmt			Total	<u> </u>	213.00
	Providing and laying heavy duty Tactile Tiles (Direction and						
	Stop tiles-300 x 300 mm) 60mm thick and Yellow in colour, using cement and course sand for manufacture of blocks of						
	approved size, shape with a minimum compressive strength of						
	281 kg per sqm over 50mm thick sand bed (average thickness						
39) and compacting with plate vibrator having 3 tons compaction						
00	force thereby forcing part of sand underneath to come up in						
	between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of						
	machineries complete as per specifications.						
	(As Per EOI)						
	Passage Area	Sqm	1.00	30.00	4.17		125.00
	Backside Building	Sqm	1.00	60.00	1.58		95.00
	Near Stage	Sqm	1.00	25.00	2.12		53.00
	Frontside Building	Sqm	1.00	35.00	3.14		110.00
	Near Computer Lab	Sqm	1.00	25.00	1.88		47.00
	Backside Compound wall side	Sqm	1.00	40.00	2.10		84.00
	Near Toilet Side	Sqm	1.00	25.00 10.00	1.36 1.80		34.00
	Backside Sitting area Other Area	Sqm Sqm	1.00	13.00	1.80	1	18.00 18.00
	Total Qty	Sqm	1.00	10.00	1.00		584.00
	Total Qty -20%	Sqm			Total		116.80
	KSRRB M300-Turfing lawns with fine grassing including						
	ploughing, dressing KSRRB M300-5. Turfing lawns with fine grassing including ploughing, dressing including breaking of						
	clods, removal of rubbish, dressing and supplying doobs grass						
40	roots at 10 cm apart, including supplying and spreading of farm						
	yard manure at rate of 0.6 cum per 100 sqm complete as per						
	specifications. MORTH Specification No. 307 PWD SOR 18-19,SI No.19.82,Pg No149						
	The control to, control to control give the						
	Badminton Court	Sqm	1.00	13.40	6.10		81.74
		Sqm			Total		81.74
	KSRRB M300- Maintenance of lawns with fine grassing for the						
	first year KSRRB M300-6. Maintenance of lawns with fine						
41	grassing for the first year including watering etc complete as						
7.	per specifications. MORTH Specification No. 307. PWD SOR 18-19,SI No.19.83,Pg No149						
	PWD 50K 16-19,51 No. 19.65,Pg No 149						
	Badminton Court	Sqm	1.00	13.40	6.10		81.74
		Sqm			Total		81.74
	Providing and laying artline grass pavers or equivalent block						
	making machine with strong vibratory compaction, of approved						
	size, design & shape, laid in required colour and pattern over						
42	and including 50mm thick compacted bed of coarse sand,						
	filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge.						
	(Non SOR)						
	, ,						
	Total Qty SI No.39	Sqm	1.00	584.00	Area		584.00
	Total 30% Qty	Sqm	-		Total	1	175.20
	Providing and fixing Vitrified glazed tiles of approved make,						
	quality & colour of size 900 x 900 x 12mm thick fixed on bed of						
	12mm thick cement mortar for flooring, skirting and JOinted						
43	with neat cement slurry mixed with pigment to mach shade of tiles, including providing spacers at required interval and						
40	removing stains, including cost of all mateirals, mortar, labour,						
	etc., Complete as per specification.						
	(KPWD 18-19,SI.No.14.45.1)						
	Total Qty Sl.No.39	Sqm	1.00	584.00	Area		584.00
	Total 50% Qty	Sqm			Total		292.00

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
44	KSRB 2.9 : Spreading and forming the excavated earth to required level, slope for an average thickness of 75mm. in all classes of soils including breaking clods and tamping manually alround the building and low laying areas complete as per specifications.specification. No. KBS : (KSRB 18-19,Pg No.7,SI No.2.16)						
	Total Qty -Back & Front side of the building	Sqm	1.00	595.00	Area		595.00
	Total Qty	Sqm		000.00	Total		595.00
45	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete. do- of size 450 x 150 x 400 mm (KSRRB 18-19,Pg No.27,SI No.5.29.1)						
	Total Qty for 1 Kerb Stone	Cum	1.00	0.45	0.33	0.4	0.06
	Total Qty	Rmt	1.00	213.00	0.00	0.1	213.00
	Total Qty (0.45m Length)	No			Total		473.00
46	KSRB13-1.1: Providing and fixing to wall, ceiling and floor galvanised I mild steel tube nominal bore with fittings (medium grade weight 1.27 kglmtr) B class including cost of all materials, labour charges, HOM and testing complete as per specifications. Specification No.KBS 13.2.14 I 13.8 do- 40 mm dia (KSRB 18-19,Pg No.92,SI No.13.5)						
	Badminton Ground	Rmt	2.00	1.55			3.10
	Total Qty	Rmt			Total		3.10
47	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 (KSRB 18-19,SI No.24.15)						
	Entrance Area	Sqm	2.00	10.00	0.15		3.00
	Circular	Sqm	1.00	5.00	0.15		0.75
	Total Qty	Sqm			Total		3.75

Executive Engineer MSCL Mangaluru

GM Technical MSCL Mangaluru

MANGALURU SMART CITY 1.4 Rate Analysis of E-SMART SCHOOL

RATE ANALYSIS - PANDESHWARA

	IDM/D 10 10 Daga Na 120 CI Na 10 10\			
	PWD 18-19,Page No 138,SI No.18.10)			_
	Basic rate		25755	
	Sub Total		25755	
	Add 10% For area weightage		2575.50	
	Total	Rate	28330.50	На
	KSRB 24-9 : Cleaning and washing of stone i	masonry wall surface with nitric	acid including o	rost of mater
2	labour, complete as per specifications. Specific		dola iriolading c	oot of mator
_	(Page No 130,SI No : 16.4)			
	Basic rate		5.00	
	Sub Total		5.00	
	Add 10% For area weightage		0.50	
	Total	Rate		Sqm
		,	2.00	<u> </u>
3	3.5N/mm2 for saturated dry samples.For sup (KPWD 18-19,Page No 384,Sl No : 42.5.3)	er structure in CM 1:6 (Cemer	π 45 Kgs/IVI3)	
	Basic rate			
			3391	
	Sub Total		3391	
	Sub Total Add 10% For area weightage	Pate	3391 339.10	
	Sub Total Add 10% For area weightage Total	Rate	3391 339.10 3730.10	Cum
4	Sub Total Add 10% For area weightage	plaster in single coat with ceme orners wherever required smoo	3391 339.10 3730.10 ent mortar 1:4, toth rendering, : I	o stone mase
4	Sub Total Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cement and concrete surface including rounding off cremoving scaffolding, including cost of materi PWD 18-19,SI No.15.19,Pg No 116	plaster in single coat with ceme orners wherever required smoo	3391 339.10 3730.10 ent mortar 1:4, toth rendering, : If per specification	o stone mase Providing and ns.
4	Sub Total Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cement and concrete surface including rounding off cremoving scaffolding, including cost of material	plaster in single coat with ceme orners wherever required smoo	3391 339.10 3730.10 ent mortar 1:4, toth rendering, : If per specification	o stone mase Providing and ins.
4	Sub Total Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cement and concrete surface including rounding off cremoving scaffolding, including cost of materi PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total	plaster in single coat with ceme orners wherever required smoo	3391 339.10 3730.10 ent mortar 1:4, toth rendering, : If per specification	o stone mase Providing and ns.
4	Sub Total Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cement and concrete surface including rounding off cremoving scaffolding, including cost of materi PWD 18-19,SI No.15.19,Pg No 116 Basic rate	plaster in single coat with ceme orners wherever required smoo	3391 339.10 3730.10 ent mortar 1:4, toth rendering, : If per specification 273 273	o stone mase Providing and ns.
4	Sub Total Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cement and concrete surface including rounding off cremoving scaffolding, including cost of materi PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total	plaster in single coat with ceme orners wherever required smoo als, labour, curing complete as Rate	3391 339.10 3730.10 ent mortar 1:4, toth rendering, : If per specification 273 273 27.30 300.30	o stone mase Providing and ns.
5	Sub Total Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cement and concrete surface including rounding off cremoving scaffolding, including cost of materi PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage	plaster in single coat with ceme orners wherever required smoot als, labour, curing complete as Rate nal walls in two coats with water throughly brooming the surface	3391 339.10 3730.10 ent mortar 1:4, toth rendering, : If per specification 273 273 273 27.30 300.30 rproof cement per to remove all contents and contents are contents are contents and contents are contents and contents are contents are contents and contents are contents are contents are contents are contents and contents are	o stone mase roviding and ns. Sqm aint of approdict and loose
	Sub Total Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cement and concrete surface including rounding off cremoving scaffolding, including cost of materic PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1 : Providing and finishing externormal brand and shade to give an even shade after powdered material, free from mortar drops are per specifications. - do - with Primer PWD 18-19,SI No.15.53.2,Pg No 120	plaster in single coat with ceme orners wherever required smoot als, labour, curing complete as Rate nal walls in two coats with water throughly brooming the surface	3391 339.10 3730.10 ent mortar 1:4, toth rendering, : If per specification 273 273 273 27.30 300.30 rproof cement per to remove all contents and contents are contents are contents and contents are contents and contents are contents are contents and contents are contents are contents are contents are contents and contents are	o stone mase Providing and ins. Sqm aint of approdirt and loose r, complete a
	Sub Total Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cement and concrete surface including rounding off cremoving scaffolding, including cost of materic PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1 : Providing and finishing externormal and shade to give an even shade after powdered material, free from mortar drops are per specifications do - with Primer	plaster in single coat with ceme orners wherever required smoot als, labour, curing complete as Rate nal walls in two coats with water throughly brooming the surface	3391 339.10 3730.10 ent mortar 1:4, toth rendering, : If per specification 273 273 27.30 300.30 rproof cement per to remove all conaterials, labour	o stone mase roviding and ns. Sqm aint of approdirt and looser, complete a
	Sub Total Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cement and concrete surface including rounding off cremoving scaffolding, including cost of materic PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1 : Providing and finishing externormal and shade to give an even shade after powdered material, free from mortar drops are per specifications. - do - with Primer PWD 18-19,SI No.15.53.2,Pg No 120 Basic Rate	plaster in single coat with ceme orners wherever required smoot als, labour, curing complete as Rate nal walls in two coats with water throughly brooming the surface	3391 339.10 3730.10 ent mortar 1:4, toth rendering, : If per specification 273 273 273 27.30 300.30 rproof cement per to remove all conaterials, labour	o stone mase roviding and ns. Sqm aint of approdict and loose r, complete a

	Providing external walls with texture finish us	sing approved brand paint, ap	oplied uniformly in	three coats
	over one coat of primer including cost of all r	naterials, machineries, labou	r, transportation,	loading and
6	unloading, all lead and lift and all other incide	ental charges including scaffol	ding and removin	g stains,
	complete as per specifications.			
	(KPWD 18-19,SI No.15.103)			
	Basic Rate		340.00	
	Sub Total		340	
	Add 10% For Area weightage		34.00	
	Total	Rate	374.00	
		•	•	•
	KSRRB MS00-10 Painting new letter and fig	gures of any shade with synth	etic enamel paint	black or any
	other approved colour to give an even shade	complete as per specification	ns. ("ii) English ar	nd Roman -
7	Hyphen and the like not to be measured and	paid for"		
	MORTH Specification No.801			
	(KSRRB 18-19,SI No.24.10)			
	Basic Rate		0.70	
	Sub Total		0.7	
	Add 10% For Area weightage		0.07	
	Total	Rate	0.77	cm
	Cleaning RCC sump tanks and RCC overhea	ad tanks with mechanical dew	atering including	removal of
	sludge, mud, dirt, algea etc and cleaning the		•	•
	and spraying anti bacterial treatment to the			•
8	of sludge etc, using suitable coconut brooms	•		
	plastic buckets, mugs, dewatering using mo	tor with portal arrangement, h	nose pipe etc., co	mplete including
	all safety measures.			
	(KPWD 18-19,SI No.10.7)		_	,
	Basic Rate		0.35	
	Sub Total		0.35	
	Add 10% For Area weightage		0.04	
	Total	Rate	0.39	L
	KSRB 15-18.3 : Providing and applying enan	•	• • •	
9	painted steel or other metal surface brushing	_		e, dirt and other
J	foreign matter, including cost of materials, la	bour, complete as per specific	cations.	
	PWD 18-19,SI No.15.75,Pg No 123			_
	Basic Rate		61.00	
	Sub Total		61	i
	Add 10% For Area weightage		6.10	
	Total	Rate	67.10	
		•	-	
	KSRB 2-2.1 : Earthwork excavation for found	dation of buildings, water supp	oly, sanitary lines	and electrical
	conduits either in pits or in trenches 1.5m an	d above in width, in ordinary	soil not exceeding	g 1.5 m. in dept
40	including dressing the bottom and sides of pi			•
10	of excavation with lead upto 50 m. after brea	king of clods complete as per	specifications. sp	ecification. No.
	KBS 2.1(a) / 2.3.5			
	PWD 18-19,SI No.2.3,Pg No 6			
	Basic Rate		299.00	
	Sub Total		299	i
	add 10% For Area weightage		29.90	
		Data		
	Total	Rate	328.90	ICum

	KSRB 4-1.6; Providing and laying in position plain cement of 20mm and down size graded granite metal coarse aggregation 52 cum machine mixed congrete laid in layers not expect.	tes @ 0.878 cui	m and fine aggregtes @
11	0.53cum, machine mixed, concrete laid in layers not exceed foundation, plinth and cills, including cost of all materials, la specifications. Specification No. KBS 4.1, 4.2 PWD 18-19,SI No.4.6,Pg No 13	•	•
	Basic Rate		5900.00
	Sub Total		5900
	add 10% For Area weightage		590.00
	Total	Rate	6490.00 Cum
12	KSRB 14.9-2: Providing and laying M-15 cement concrete hardner topping, under layer of 45mm thick M-15 cernent of down size and top layer of 15mm thick metallic cement har mix: 2 granite metal 10mm nominal size) by volurne, with mix in the ratio of 4:1 (4 part of cement= 1 part of metallic fl wt), including finishing, cost of materials, labour, curing, co KBS 14.4	concrete using burther consisting metalic hardenir oor hardening co	roken granite metal of 20mm and of mix 1:2 (1 cement hardner ng compound of approved quality ompound of approved quality by
	PWD 18-19,SI No.14.14		<u> </u>
	Basic Rate		725.00
	Sub Total		725
	add 10% For Area weightage		72.50
	Total	Rate	797.50 Sqm
	pedestrals, retaining walls, returnwalls, walls (any thickness posts, struts, buttresses, bed blocks, anchor blocks & plinth of machinery, curing, complete but excluding cost of reinfor	ns etc including o	cost of all materials, labour, HOM
	posts, struts, buttresses, bed blocks, anchor blocks & plinth of machinery, curing, complete but excluding cost of reinfor PWD 18-19,SI No.4.10,Pg No 14	ns etc including o	cost of all materials, labour, HOM pecifications.
	posts, struts, buttresses, bed blocks, anchor blocks & plinth of machinery, curing, complete but excluding cost of reinfor PWD 18-19,SI No.4.10,Pg No 14 Basic Rate	ns etc including o	cost of all materials, labour, HOM pecifications.
	posts, struts, buttresses, bed blocks, anchor blocks & plinth of machinery, curing, complete but excluding cost of reinfor PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total	ns etc including o	cost of all materials, labour, HOM specifications. 6198.00 6198
	posts, struts, buttresses, bed blocks, anchor blocks & plinth of machinery, curing, complete but excluding cost of reinfor PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total add 10% For Area weightage	s etc including c	cost of all materials, labour, HOM specifications. 6198.00 6198 619.80
	posts, struts, buttresses, bed blocks, anchor blocks & plinth of machinery, curing, complete but excluding cost of reinfor PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total	ns etc including o	cost of all materials, labour, HOM specifications. 6198.00 6198
14	posts, struts, buttresses, bed blocks, anchor blocks & plinth of machinery, curing, complete but excluding cost of reinfor PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total add 10% For Area weightage Total Providing TMT steel reinforcement for R.C.C work including in position, lapping and / or welding wherever required, tying members wherever necessary complete as per design (laps cost of materials, labour, HOM of machinery complete with directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18	Rate g straightening, or g with binding will and wastage s	cost of all materials, labour, HOM specifications. 6198.00 6198 619.80 6817.80 Cum cutting, bending, hooking, placing re and anchoring to the adjoining hall not be measured and paid) as per specifications and
14	posts, struts, buttresses, bed blocks, anchor blocks & plinth of machinery, curing, complete but excluding cost of reinfor PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total add 10% For Area weightage Total Providing TMT steel reinforcement for R.C.C work including in position, lapping and / or welding wherever required, tying members wherever necessary complete as per design (laps cost of materials, labour, HOM of machinery complete with directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate	Rate g straightening, or g with binding will and wastage s	cost of all materials, labour, HOM specifications. 6198.00 6198 619.80 6817.80 Cum cutting, bending, hooking, placing re and anchoring to the adjoining hall not be measured and paid) as per specifications and
14	posts, struts, buttresses, bed blocks, anchor blocks & plinth of machinery, curing, complete but excluding cost of reinfor PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total add 10% For Area weightage Total Providing TMT steel reinforcement for R.C.C work including in position, lapping and / or welding wherever required, tying members wherever necessary complete as per design (laps cost of materials, labour, HOM of machinery complete with directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total	Rate g straightening, or g with binding will and wastage s	cost of all materials, labour, HOM specifications. 6198.00 6198 619.80 6817.80 Cum cutting, bending, hooking, placing re and anchoring to the adjoining hall not be measured and paid) as per specifications and 70782.00 70782
14	posts, struts, buttresses, bed blocks, anchor blocks & plinth of machinery, curing, complete but excluding cost of reinfor PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total add 10% For Area weightage Total Providing TMT steel reinforcement for R.C.C work including in position, lapping and / or welding wherever required, tying members wherever necessary complete as per design (laps cost of materials, labour, HOM of machinery complete with directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate	Rate g straightening, or g with binding will and wastage s	cost of all materials, labour, HOM specifications. 6198.00 6198 619.80 6817.80 Cum cutting, bending, hooking, placing re and anchoring to the adjoining hall not be measured and paid) as per specifications and
14	posts, struts, buttresses, bed blocks, anchor blocks & plinth of machinery, curing, complete but excluding cost of reinfor PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total add 10% For Area weightage Total Providing TMT steel reinforcement for R.C.C work including in position, lapping and / or welding wherever required, tying members wherever necessary complete as per design (laps cost of materials, labour, HOM of machinery complete with directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing, centering, shuttering, strutting, profoundations, footings, bases of columns for mass concrete as per specifications PWD 18-19,SI No.4.28,Pg No 16	Rate Straightening, or gwith binding wis and wastage shall lead lifts and Rate Rate	cost of all materials, labour, HOM specifications. 6198.00 6198 619.80 6817.80 Cum cutting, bending, hooking, placing re and anchoring to the adjoining hall not be measured and paid) as per specifications and 70782.00 70782 7078.20 77860.20 MT emoval of form work for fall materials, labour complete
	posts, struts, buttresses, bed blocks, anchor blocks & plinth of machinery, curing, complete but excluding cost of reinfor PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total add 10% For Area weightage Total Providing TMT steel reinforcement for R.C.C work including in position, lapping and / or welding wherever required, tying members wherever necessary complete as per design (laps cost of materials, labour, HOM of machinery complete with directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing,centering, shuttering, strutting, prof foundations, footings, bases of columns for mass concrete as per specifications PWD 18-19,SI No.4.28,Pg No 16 Basic Rate	Rate Straightening, or gwith binding wis and wastage shall lead lifts and Rate Rate	cost of all materials, labour, HOM specifications. 6198.00 6198 619.80 6817.80 Cum cutting, bending, hooking, placing re and anchoring to the adjoining hall not be measured and paid) as per specifications and 70782.00 70782 7078.20 77860.20 MT emoval of form work for f all materials, labour complete
	posts, struts, buttresses, bed blocks, anchor blocks & plinth of machinery, curing, complete but excluding cost of reinfor PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total add 10% For Area weightage Total Providing TMT steel reinforcement for R.C.C work including in position, lapping and / or welding wherever required, tying members wherever necessary complete as per design (laps cost of materials, labour, HOM of machinery complete with directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing, centering, shuttering, strutting, profoundations, footings, bases of columns for mass concrete as per specifications PWD 18-19,SI No.4.28,Pg No 16	Rate Straightening, or gwith binding wis and wastage shall lead lifts and Rate Rate	cost of all materials, labour, HOM specifications. 6198.00 6198 619.80 6817.80 Cum cutting, bending, hooking, placing re and anchoring to the adjoining hall not be measured and paid) as per specifications and 70782.00 70782 7078.20 77860.20 MT emoval of form work for fall materials, labour complete

	Providing and removing centering, shuttering, str	utting, propping etc., and re	moval of form	work for vertical
	surface such as walls at any thickness, including			
16	cost of all materials, labour complete as per spec		•	J
	PWD 18-19,SI No.4.31,Pg No 16			
	Basic Rate	T	361.00	
	Sub Total		361	
	add 10% For Area weightage		36.10	
	Total	Rate	397.10	
	Total	ivate	337.10	Joqiii
	KSRRB M2200 - Providing Weep holes Providing	ween holes in Brick maso	nry / Plain / Pa	inforced
	concrete abutment, wing wall / return wall with 1		•	
17	structure with slope of 1V:20H towards drawing f			
17	complete as per specifications.	orce complete as per drawin	g and recinica	ai specifications
	PWD 18-19,SI No.28.10,Pg No 229			
			4.47.00	T
	Basic Rate		147.00	
	Sub Total		147	
	add 10% For Area weightage		14.70	
	Total	Rate	161.70	Nos
	KSRB 2-4: Refilling available earth around pipe	ines, cables in layers not ex	ceeding 20cms	in depth,
	compacting each deposited layer by ramming aft	er watering with lead upto 50	m. and lift upto	o 1.5 m.
18	including cost of all labour complete as per speci	fications.		
	PWD 18-19,SI No.2.11,Pg No 7			
			400.00	<u> </u>
	Basic Rate		120.00	
	Sub Total		120	
	add 10% For Area weightage	_	12.00	
	Total	Rate	132.00	Cum
	Providing and fixing unplasticised PVC pipes v	• • • • • • • • • • • • • • • • • • • •		• .
19	making good the floor, including cost of all mate	ials, labour charges, HOM	and testing co	mplete as per
19	specifications.			
	KSRB 18-19,Pg No.77,SI No.11.56.2			
	[NOIND 10-13,1 g No.77,01 No.11.30.2			
	do- with 110mm outer dia		606.00	
	do- with 110mm outer dia Basic Rate		606.00	
	do- with 110mm outer dia Basic Rate Sub Total		606	
	do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage	Rate	606 60.60	
	do- with 110mm outer dia Basic Rate Sub Total	Rate	606	
	do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total	<u> </u>	606 60.60 666.60	Rmt
	do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for	road gully cover including fix	606 60.60 666.60 ting the cover a	Rmt and CM 1:3
20	do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces curin	road gully cover including fix	606 60.60 666.60 ting the cover a	Rmt and CM 1:3
20	do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces curin excluding cost of concrete etc,completete	road gully cover including fix	606 60.60 666.60 ting the cover a	Rmt and CM 1:3
20	do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces curin excluding cost of concrete etc,completete (As Per EOI)	road gully cover including fix	606 60.60 666.60 ting the cover a	Rmt and CM 1:3 plastering but
20	do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces curin excluding cost of concrete etc,completete (As Per EOI) Basic Rate	road gully cover including fix	606 60.60 666.60 sing the cover a cluding cost of	Rmt and CM 1:3 plastering but
20	do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces curin excluding cost of concrete etc,completete (As Per EOI) Basic Rate Sub Total	road gully cover including fix g for 90 days with all lead inc	606 60.60 666.60 sing the cover a cluding cost of 893.00 893	Rmt and CM 1:3 plastering but
20	do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces curin excluding cost of concrete etc,completete (As Per EOI) Basic Rate	road gully cover including fix	606 60.60 666.60 sing the cover a cluding cost of	Rmt and CM 1:3 plastering but
20	do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces curin excluding cost of concrete etc,completete (As Per EOI) Basic Rate Sub Total	road gully cover including fix g for 90 days with all lead inc	606 60.60 666.60 sing the cover a cluding cost of 893.00 893	Rmt and CM 1:3 plastering but
20	do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces curin excluding cost of concrete etc,completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44 : Repairs to plaster in patches of 2.5	road gully cover including fix g for 90 days with all lead including fix	606 60.60 666.60 sing the cover a cluding cost of 893.00 893.00	Rmt and CM 1:3 plastering but Each thick in
20	do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces curin excluding cost of concrete etc,completete (As Per EOI) Basic Rate Sub Total Total	road gully cover including fix g for 90 days with all lead including fix	606 60.60 666.60 sing the cover a cluding cost of 893.00 893.00	Rmt and CM 1:3 plastering but Each thick in
	do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces curin excluding cost of concrete etc,completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44 : Repairs to plaster in patches of 2.5	road gully cover including fix g for 90 days with all lead including fix g for 90 days with all lead including fix g for 90 days with all lead including fix g for 90 days with all lead including for 90 days with all lead including for 90 days with all lead including fix g for 90 da	606 60.60 666.60 cing the cover a cluding cost of 893.00 893 893.00 ngs 10 to 20mr ring the surface	Rmt and CM 1:3 plastering but Each thick in e of the wall
20	do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces curin excluding cost of concrete etc,completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44 : Repairs to plaster in patches of 2.5 cement mortar 1:4 including cutting the patches in patche	road gully cover including fix g for 90 days with all lead including fix g for 90 days with all lead including fix g for 90 days with all lead including fix g for 90 days with all lead including for 90 days with all lead including for 90 days with all lead including fix g for 90 da	606 60.60 666.60 cing the cover a cluding cost of 893.00 893 893.00 ngs 10 to 20mr ring the surface	Rmt and CM 1:3 plastering but Each thick in e of the wall
	do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces curin excluding cost of concrete etc,completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44 : Repairs to plaster in patches of 2.8 cement mortar 1:4 including cutting the patches i including disposal of rubbish with a lead of 50m i specifications. Specification No.KBS 24.2.1	road gully cover including fix g for 90 days with all lead including fix g for 90 days with all lead including fix g for 90 days with all lead including fix g for 90 days with all lead including for 90 days with all lead including for 90 days with all lead including fix g for 90 da	606 60.60 666.60 cing the cover a cluding cost of 893.00 893 893.00 ngs 10 to 20mr ring the surface	Rmt and CM 1:3 plastering but Each thick in e of the wall
	do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces curin excluding cost of concrete etc,completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44 : Repairs to plaster in patches of 2.5 cement mortar 1:4 including cutting the patches i including disposal of rubbish with a lead of 50m i specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133	road gully cover including fix g for 90 days with all lead including fix g for 90 days with all lead including fix g for 90 days with all lead including fix g for 90 days with all lead including for 90 days with all lead including for 90 days with all lead including fix g for 90 da	606 60.60 666.60 cing the cover a cluding cost of second s	Rmt and CM 1:3 plastering but Each thick in e of the wall
	do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces curin excluding cost of concrete etc,completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44 : Repairs to plaster in patches of 2.8 cement mortar 1:4 including cutting the patches i including disposal of rubbish with a lead of 50m i specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133 Basic Rate	road gully cover including fix g for 90 days with all lead including fix g for 90 days with all lead including fix g for 90 days with all lead including fix g for 90 days with all lead including for 90 days with all lead including for 90 days with all lead including fix g for 90 da	893.00 893.00 893.00 ngs 10 to 20mr ring the surface rials, labour, co	Rmt and CM 1:3 plastering but Each thick in e of the wall
	do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces curin excluding cost of concrete etc,completete (As Per EOI) Basic Rate Sub Total KSRB 24-44 : Repairs to plaster in patches of 2.5 cement mortar 1:4 including cutting the patches i including disposal of rubbish with a lead of 50m i specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133 Basic Rate Sub Total	road gully cover including fix g for 90 days with all lead including fix g for 90 days with all lead including fix g for 90 days with all lead including fix g for 90 days with all lead including for 90 days with all lead including for 90 days with all lead including fix g for 90 da	893.00 893.00 893.00 ngs 10 to 20mr ring the surface rials, labour, co	Rmt and CM 1:3 plastering but Each thick in e of the wall emplete as per
	do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces curin excluding cost of concrete etc,completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44 : Repairs to plaster in patches of 2.8 cement mortar 1:4 including cutting the patches i including disposal of rubbish with a lead of 50m i specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133 Basic Rate	road gully cover including fix g for 90 days with all lead including fix g for 90 days with all lead including fix g for 90 days with all lead including fix g for 90 days with all lead including for 90 days with all lead including for 90 days with all lead including fix g for 90 da	893.00 893.00 ngs 10 to 20mr ring the surfacerials, labour, co	Rmt and CM 1:3 plastering but Each m thick in e of the wall pmplete as per

	D : E 16: 0 : 1 1 1 1\/21	C 101 /O (C 11) (1 1 12 12
	Providing and fixing Special make glazed Vitri	,	
22	colour of size 600x600x10mm thick fixed on e		
	etc., complete including providing spears at re	equired interval and removing s	tains etc., complete. (P.No.
	109, I.No. 14.43 of SR 2018-19).		
	Basic Rate		1320.00
	Sub Total		1320
	Add 10% For Area weightage		132.00
	Total	Rate	1452.00 Sqm
	Providing and laying of teak wooden polished		• • • • • • • • • • • • • • • • • • • •
23	and design with end trims, transition, profiles,	beading, 15mm thick felt, and	20 micron polyester film with
23	4mm thick foam underlay etc.,		
	(P.No.113, I.No.14.70 of PWD SR 2018-19)		
	Basic Rate		4800.00
	Sub Total		4800
	Add 10% For Area weightage		480.00
	Total	Rate	5280.00 Sqm
	KSRB 14.14-5: Providing Ceramic tiles of app	roved make, shade and size fo	r flooring, treads of steps and
	landings laid on a bed of 12mm thick, cement		•
24	pigment, including cost of materials, labour, of		
24	size 30x30cms 6mm thick.	dinig, complete de per opcome	dations. Tor Corarilo Tilos C
	PWD 18-19,SI No.14.36.2,Pg No.107 and 108	3	
		,	1211.00
	Basic Rate		1211 001
	Sub Total		1211
	Add 10% For Area weightage		1211 121.10
		Rate	1211
	Add 10% For Area weightage Total		1211 121.10 1332.10 Sqm
	Add 10% For Area weightage Total Providing and laying pattern flooring for stairca	ase treads and risers using the	1211 121.10 1332.10 Sqm
	Add 10% For Area weightage Total Providing and laying pattern flooring for stairca ruby red granite @ 66%,20 mm thick grey granite with the stairca ruby red granite with the stairca ruby ruby ruby ruby ruby ruby ruby ruby	ase treads and risers using the nite @ 20%, 20mm thick, 20mm	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. The state of the s
25	Add 10% For Area weightage Total Providing and laying pattern flooring for stairca ruby red granite @ 66%,20 mm thick grey granite materials are laid on existing bed of CI	ase treads and risers using the nite @ 20%, 20mm thick, 20mm thick with	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. To colour pigment, including ful
25	Add 10% For Area weightage Total Providing and laying pattern flooring for stairca ruby red granite @ 66%,20 mm thick grey granite materials are laid on existing bed of Cl rounding for nosing, flaming the ruby red gran	ase treads and risers using the nite @ 20%, 20mm thick, 20mm thick with	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. To colour pigment, including ful
25	Add 10% For Area weightage Total Providing and laying pattern flooring for stairca ruby red granite @ 66%,20 mm thick grey granite materials are laid on existing bed of CI	ase treads and risers using the nite @ 20%, 20mm thick, 20mm thick with	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. To colour pigment, including ful
25	Add 10% For Area weightage Total Providing and laying pattern flooring for stairca ruby red granite @ 66%,20 mm thick grey granite materials are laid on existing bed of Cl rounding for nosing, flaming the ruby red gran	ase treads and risers using the nite @ 20%, 20mm thick, 20mm thick with	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. T colour pigment, including ful
25	Add 10% For Area weightage Total Providing and laying pattern flooring for stairca ruby red granite @ 66%,20 mm thick grey granite materials are laid on existing bed of CI rounding for nosing, flaming the ruby red gran (P.No. 109, I.No. 14.46 of PWD SR 2018-19)	ase treads and risers using the nite @ 20%, 20mm thick, 20mm thick with	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. To colour pigment, including full complete as per specification
25	Add 10% For Area weightage Total Providing and laying pattern flooring for stairca ruby red granite @ 66%,20 mm thick grey granite materials are laid on existing bed of Cl rounding for nosing, flaming the ruby red gran (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total	ase treads and risers using the nite @ 20%, 20mm thick, 20mm thick with	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. To colour pigment, including ful complete as per specification 7195.00 7195
25	Add 10% For Area weightage Total Providing and laying pattern flooring for stairca ruby red granite @ 66%,20 mm thick grey granite materials are laid on existing bed of Cl rounding for nosing, flaming the ruby red gran (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate	ase treads and risers using the nite @ 20%, 20mm thick, 20mm thick with	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. T colour pigment, including ful complete as per specificatio 7195.00 7195 719.50
25	Add 10% For Area weightage Total Providing and laying pattern flooring for stairca ruby red granite @ 66%,20 mm thick grey gra granite materials are laid on existing bed of CI rounding for nosing, flaming the ruby red gran (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage	ase treads and risers using the nite @ 20%, 20mm thick, 20mm thick pointed with ite for 50 mm wide curing etc.,	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. To colour pigment, including ful complete as per specification 7195.00 7195
	Add 10% For Area weightage Total Providing and laying pattern flooring for stairca ruby red granite @ 66%,20 mm thick grey granite materials are laid on existing bed of Cl rounding for nosing, flaming the ruby red gran (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total	ase treads and risers using the nite @ 20%, 20mm thick, 20mm M 1:3 20mm thick pointed with ite for 50 mm wide curing etc.,	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. To colour pigment, including full complete as per specification 7195.00 7195 719.50
25	Add 10% For Area weightage Total Providing and laying pattern flooring for stairca ruby red granite @ 66%,20 mm thick grey gra granite materials are laid on existing bed of CI rounding for nosing, flaming the ruby red gran (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total Repairing door and window frames with availa	ase treads and risers using the nite @ 20%, 20mm thick, 20mm M 1:3 20mm thick pointed with ite for 50 mm wide curing etc.,	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. To colour pigment, including full complete as per specification 7195.00 7195 719.50
	Add 10% For Area weightage Total Providing and laying pattern flooring for stairca ruby red granite @ 66%,20 mm thick grey granite materials are laid on existing bed of Cl rounding for nosing, flaming the ruby red gran (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total Repairing door and window frames with availate PWD 18-19,SI No.37.12,Pg No 267	ase treads and risers using the nite @ 20%, 20mm thick, 20mm M 1:3 20mm thick pointed with ite for 50 mm wide curing etc.,	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. To colour pigment, including ful complete as per specificatio 7195.00 7195 719.50 7914.50 Sqm
	Add 10% For Area weightage Total Providing and laying pattern flooring for stairca ruby red granite @ 66%,20 mm thick grey granite materials are laid on existing bed of Cl rounding for nosing, flaming the ruby red gran (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total Repairing door and window frames with availate PWD 18-19,SI No.37.12,Pg No 267 Basic Rate	ase treads and risers using the nite @ 20%, 20mm thick, 20mm M 1:3 20mm thick pointed with ite for 50 mm wide curing etc.,	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. To colour pigment, including ful complete as per specificatio 7195.00 7195 719.50 7914.50 Sqm
	Add 10% For Area weightage Total Providing and laying pattern flooring for stairca ruby red granite @ 66%,20 mm thick grey gra granite materials are laid on existing bed of Cl rounding for nosing, flaming the ruby red gran (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total Repairing door and window frames with availate PWD 18-19,SI No.37.12,Pg No 267 Basic Rate Sub Total	ase treads and risers using the nite @ 20%, 20mm thick, 20mm M 1:3 20mm thick pointed with ite for 50 mm wide curing etc.,	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. To colour pigment, including full complete as per specificatio 7195.00 7195 719.50 7914.50 Sqm 685.00 685
	Add 10% For Area weightage Total Providing and laying pattern flooring for stairca ruby red granite @ 66%,20 mm thick grey granite materials are laid on existing bed of CI rounding for nosing, flaming the ruby red gran (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total Repairing door and window frames with availate PWD 18-19,SI No.37.12,Pg No 267 Basic Rate Sub Total Add 10% For Area weightage	ase treads and risers using the nite @ 20%, 20mm thick, 20mm M 1:3 20mm thick pointed with ite for 50 mm wide curing etc., Rate Able wood to the required size.	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. To colour pigment, including full complete as per specificatio 7195.00 7195 719.50 7914.50 Sqm 685.00 685 68.50
	Add 10% For Area weightage Total Providing and laying pattern flooring for stairca ruby red granite @ 66%,20 mm thick grey gra granite materials are laid on existing bed of Cl rounding for nosing, flaming the ruby red gran (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total Repairing door and window frames with availate PWD 18-19,SI No.37.12,Pg No 267 Basic Rate Sub Total	ase treads and risers using the nite @ 20%, 20mm thick, 20mm M 1:3 20mm thick pointed with ite for 50 mm wide curing etc.,	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. T colour pigment, including ful complete as per specificatio 7195.00 7195 719.50 7914.50 Sqm
	Add 10% For Area weightage Total Providing and laying pattern flooring for stairca ruby red granite @ 66%,20 mm thick grey granite materials are laid on existing bed of Cl rounding for nosing, flaming the ruby red gran (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total Repairing door and window frames with availate PWD 18-19,SI No.37.12,Pg No 267 Basic Rate Sub Total Add 10% For Area weightage Total	Rate Rate Rate	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. To colour pigment, including full complete as per specification 7195.00 7195 719.50 7914.50 Sqm 685.00 685 68.50 753.50 Sqm
26	Add 10% For Area weightage Total Providing and laying pattern flooring for stairca ruby red granite @ 66%,20 mm thick grey granite materials are laid on existing bed of Cl rounding for nosing, flaming the ruby red gran (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total Repairing door and window frames with availate PWD 18-19,SI No.37.12,Pg No 267 Basic Rate Sub Total Add 10% For Area weightage Total Repairing and fixing shutters (panelled or glaze)	Rate Rate Rate	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. To colour pigment, including full complete as per specification 7195.00 7195 719.50 7914.50 Sqm 685.00 685 68.50 753.50 Sqm
	Add 10% For Area weightage Total Providing and laying pattern flooring for stairca ruby red granite @ 66%,20 mm thick grey granite materials are laid on existing bed of Cl rounding for nosing, flaming the ruby red gran (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total Repairing door and window frames with availate PWD 18-19,SI No.37.12,Pg No 267 Basic Rate Sub Total Add 10% For Area weightage Total	Rate Rate Rate	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. To colour pigment, including full complete as per specification 7195.00 7195 719.50 7914.50 Sqm 685.00 685 68.50 753.50 Sqm
26	Add 10% For Area weightage Total Providing and laying pattern flooring for stairca ruby red granite @ 66%,20 mm thick grey granite materials are laid on existing bed of Cl rounding for nosing, flaming the ruby red gran (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total Repairing door and window frames with availate PWD 18-19,SI No.37.12,Pg No 267 Basic Rate Sub Total Add 10% For Area weightage Total Repairing and fixing shutters (panelled or glaze PWD 18-19,SI No.37.13,Pg No.267	Rate Rate Rate	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. To colour pigment, including full complete as per specificatio 7195.00 7195 719.50 7914.50 Sqm 685.00 685 68.50 753.50 Sqm ors and cupboards.
26	Add 10% For Area weightage Total Providing and laying pattern flooring for stairca ruby red granite @ 66%,20 mm thick grey granite materials are laid on existing bed of Cl rounding for nosing, flaming the ruby red gran (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total Repairing door and window frames with availate PWD 18-19,SI No.37.12,Pg No 267 Basic Rate Sub Total Add 10% For Area weightage Total Repairing and fixing shutters (panelled or glaze)	Rate Rate Rate	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. To colour pigment, including full complete as per specification 7195.00 7195 719.50 7914.50 Sqm 685.00 685 68.50 753.50 Sqm
26	Add 10% For Area weightage Total Providing and laying pattern flooring for stairca ruby red granite @ 66%,20 mm thick grey granite materials are laid on existing bed of Cl rounding for nosing, flaming the ruby red gran (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total Repairing door and window frames with availate PWD 18-19,SI No.37.12,Pg No 267 Basic Rate Sub Total Add 10% For Area weightage Total Repairing and fixing shutters (panelled or glaze PWD 18-19,SI No.37.13,Pg No.267 Basic Material Rate	Rate Rate Rate	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. To colour pigment, including full complete as per specificatio 7195.00 7195 719.50 7914.50 Sqm 685.00 685 68.50 753.50 Sqm ors and cupboards.

28	KSRB 15-15.1: Providing and applying painting in to wall surface to give an even approved shade after drops and other foreign matter including preparing to materials, labour, complete as per specifications. - do- with primer PWD 18-19,SI No.15.51.2,Pg No.119	er thoroughly brushing th	ne surface, free f nd paper smooth	rom mortar n, cost of		
	Basic Material Rate		90.00			
	Sub Total		90			
	Add 10% For Area weightage for Labour		9.00			
	Total	Rate	99.00	Sqm		
29	Supplying and fixing new Mangalore tiles on existing PWD 18-19,SI No.37.9,Pg No.267	g reepers.				
	Basic Rate		407.00			
	Sub Total		407			
	Add 10% For Area weightage		40.70			
	Total Rate	Rate	447.70	Sqm		
30	materials, labour, curing complete as per specificati wood reepers of size 50x25mm PWD 18-19,SI No.8.11 Basic Rate Sub Total	ons. Specification No. I	KBS 8.17KSRB 814.00 814			
	Add 10% For Area weightage		81.40			
	Total Rate	Rate	895.40			
	Removing and fixing old Mangalore ridge tiles including pointing with C.M. 1:3. PWD 18-19,SI No.37.10,Pg No.267 Baisc rate 101.00 Sub Total					
31	PWD 18-19,SI No.37.10,Pg No.267	ding pointing with C.M. 1	101.00 101			
31	PWD 18-19,SI No.37.10,Pg No.267 Baisc rate	ding pointing with C.M. 1	101.00 101 10.10			
31	PWD 18-19,SI No.37.10,Pg No.267 Baisc rate Sub Total	ding pointing with C.M. 1	101.00 101			
31	PWD 18-19,SI No.37.10,Pg No.267 Baisc rate Sub Total Add 10% For area weightage (Mangalore City) Total Rate KSRB 15-17.19: Providing and applying painting on wood surface and / or wood based surface with blac surface of all dirt, dust and foreign matter, including specifications. PWD 18-19,SI No.15.71,Pg No.123	Rate e coat (excluding primir	101.00 101 10.10 111.10 ng coat) on prev even shade after, complete as p	Rmt iously painted er cleaning the er		
	PWD 18-19,SI No.37.10,Pg No.267 Baisc rate Sub Total Add 10% For area weightage (Mangalore City) Total Rate KSRB 15-17.19: Providing and applying painting on wood surface and / or wood based surface with blac surface of all dirt, dust and foreign matter, including specifications. PWD 18-19,SI No.15.71,Pg No.123 Basic Rate	Rate e coat (excluding primir	101.00 101 10.10 111.10 ng coat) on preveven shade after, complete as p	Rmt riously painted er cleaning the er		
	PWD 18-19,SI No.37.10,Pg No.267 Baisc rate Sub Total Add 10% For area weightage (Mangalore City) Total Rate KSRB 15-17.19: Providing and applying painting on wood surface and / or wood based surface with blac surface of all dirt, dust and foreign matter, including specifications. PWD 18-19,SI No.15.71,Pg No.123 Basic Rate Sub Total	Rate e coat (excluding primir	101.00 101 10.10 111.10 ng coat) on preveven shade after, complete as p	Rmt riously painted er cleaning the er		
	PWD 18-19,SI No.37.10,Pg No.267 Baisc rate Sub Total Add 10% For area weightage (Mangalore City) Total Rate KSRB 15-17.19: Providing and applying painting on wood surface and / or wood based surface with blac surface of all dirt, dust and foreign matter, including specifications. PWD 18-19,SI No.15.71,Pg No.123 Basic Rate Sub Total Add 10% For Area weightage	Rate e coat (excluding primir ck japan paint to give an cost of materials, labou	101.00 101 10.10 111.10 ng coat) on prev even shade afte r, complete as p	Rmt iously painted er cleaning the er		
	PWD 18-19,SI No.37.10,Pg No.267 Baisc rate Sub Total Add 10% For area weightage (Mangalore City) Total Rate KSRB 15-17.19: Providing and applying painting on wood surface and / or wood based surface with blac surface of all dirt, dust and foreign matter, including specifications. PWD 18-19,SI No.15.71,Pg No.123 Basic Rate Sub Total	Rate e coat (excluding primir	101.00 101 10.10 111.10 ng coat) on preveven shade after, complete as p	Rmt iously painted er cleaning the er		
	PWD 18-19,SI No.37.10,Pg No.267 Baisc rate Sub Total Add 10% For area weightage (Mangalore City) Total Rate KSRB 15-17.19: Providing and applying painting on wood surface and / or wood based surface with blac surface of all dirt, dust and foreign matter, including specifications. PWD 18-19,SI No.15.71,Pg No.123 Basic Rate Sub Total Add 10% For Area weightage	Rate e coat (excluding primir ck japan paint to give an cost of materials, labou Rate Iding priming coat) on p to give an even shade a	101.00 101 10.10 111.10	Rmt iously painted er cleaning the er Sqm d wood surface surface of all		
32	PWD 18-19,SI No.37.10,Pg No.267 Baisc rate Sub Total Add 10% For area weightage (Mangalore City) Total Rate KSRB 15-17.19: Providing and applying painting on wood surface and / or wood based surface with blac surface of all dirt, dust and foreign matter, including specifications. PWD 18-19,SI No.15.71,Pg No.123 Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRB 15-17.19:Applying additional one coat (excluand / or wood based surface with black japan paint dirt, dust and foreign matter, including cost of mater PWD 18-19,SI No.15.72,Pg No.123	Rate e coat (excluding primir ck japan paint to give an cost of materials, labou Rate Iding priming coat) on p to give an even shade a	101.00 101 10.10 111.10	Rmt iously painted er cleaning the er Sqm d wood surface surface of all ons.		
32	PWD 18-19,SI No.37.10,Pg No.267 Baisc rate Sub Total Add 10% For area weightage (Mangalore City) Total Rate KSRB 15-17.19: Providing and applying painting on wood surface and / or wood based surface with blac surface of all dirt, dust and foreign matter, including specifications. PWD 18-19,SI No.15.71,Pg No.123 Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRB 15-17.19:Applying additional one coat (excluand / or wood based surface with black japan paint dirt, dust and foreign matter, including cost of mater	Rate e coat (excluding primir ck japan paint to give an cost of materials, labou Rate Iding priming coat) on p to give an even shade a	101.00 101 10.10 111.10	Rmt iously painted er cleaning the er Sqm d wood surface surface of all ons.		
32	PWD 18-19,SI No.37.10,Pg No.267 Baisc rate Sub Total Add 10% For area weightage (Mangalore City) Total Rate KSRB 15-17.19: Providing and applying painting on wood surface and / or wood based surface with black surface of all dirt, dust and foreign matter, including specifications. PWD 18-19,SI No.15.71,Pg No.123 Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRB 15-17.19:Applying additional one coat (exclusing and / or wood based surface with black japan paint dirt, dust and foreign matter, including cost of mater PWD 18-19,SI No.15.72,Pg No.123 Basic Rate	Rate e coat (excluding primir ck japan paint to give an cost of materials, labou Rate Iding priming coat) on p to give an even shade a	101.00 101 10.10 111.10	Rmt iously painted er cleaning the er Sqm d wood surface surface of all ons.		

	Waterproofing of RCC Terrace / podium slab / toilet / surface by chipping and cleaning and Grouting of Ho cement slurry (1kg cement added in 10 ltr of water) a	ney comb, voids,crack added with 100gm of in	s / construction joints with organic accelerator, followed b				
34	spraying of liquid biological modified alkaline earth silthe micro porosity and allowing it to dry, curing the su	urface for the silicates t	o penetrate deeper into the				
	concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification PWD 18-19,SI No.10.5.1,Pg No 69						
	Basic Rate Sub Total		526.00 526.00				
	Add 10% For Area weightage Total Rate	Rate	52.60 578.60 Sqm				
		J J	, ,				
35	KSRB 9.4-1: Providing Teak wood frames of doors, frames, wrought, framed or assembled including make and side clamps), but including cost of materials, lab specifications. Specification No. KBS 9.33. (P.No.53,	king plaster groves (ex bour, HOM of machiner	cluding cost of cement concre ries complete as per				
	Basic Rate		213754.00				
	Sub Total		213754.00				
	Add 10% For Area weightage		21375.40				
	Total Rate	Rate	235129.40 Cum				
36	anchor bolts at each support, with 10mm thick base patraightening, placing in position of M.S pipes and who	olate and shoe plate.Theding wherever necess	sary, and applying one coat of				
36	straightening, placing in position of M.S pipes and where the control oxide primer coat to all themembers including commachineries for cutting, welding, grinding and erection complete as per specification (P.No.43, SI.No. 7.29 of PWD SR 2018-19) Basic Rate	plate and shoe plate.Theding wherever necess st of all materials, labo	ne work includes cutting, sary, and applying one coat of ur charges, and hire charges of lead and lift, transportation, etc				
36	straightening, placing in position of M.S pipes and where doxide primer coat to all themembers including commachineries for cutting, welding, grinding and erection complete as per specification (P.No.43, SI.No. 7.29 of PWD SR 2018-19) Basic Rate Sub Total	plate and shoe plate.Theding wherever necess st of all materials, labo	ne work includes cutting, sary, and applying one coat of ur charges, and hire charges of lead and lift, transportation, etc				
36	straightening, placing in position of M.S pipes and where doxide primer coat to all themembers including commachineries for cutting, welding, grinding and erection complete as per specification (P.No.43, SI.No. 7.29 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage	plate and shoe plate.Theding wherever necess st of all materials, labor equipments, with all	ne work includes cutting, sary, and applying one coat of ur charges, and hire charges of lead and lift, transportation, etc				
36	straightening, placing in position of M.S pipes and where the control oxide primer coat to all themembers including commachineries for cutting, welding, grinding and erection complete as per specification (P.No.43, SI.No. 7.29 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total Rate Providing and fixing of pre pigmented extruded orang necessary specials such as Ridges, Barges and Nail	plate and shoe plate. The eding wherever necess st of all materials, labor equipments, with all Rate Rate ge cement roof tiles of second sec	ne work includes cutting, sary, and applying one coat of ur charges, and hire charges of lead and lift, transportation, et 111.00 111.00 11.10 122.10 Kg size 420mm x 330mm with providing PVC (6.00kgs/sq cr				
36	straightening, placing in position of M.S pipes and where the control oxide primer coat to all themembers including commachineries for cutting, welding, grinding and erection complete as per specification (P.No.43, SI.No. 7.29 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total Rate Providing and fixing of pre pigmented extruded orangements.	plate and shoe plate. The eding wherever necess st of all materials, labor equipments, with all Rate ge cement roof tiles of section in the control of the section of the control of the section as per the roof designation.	ne work includes cutting, sary, and applying one coat of ur charges, and hire charges of lead and lift, transportation, etc				
	straightening, placing in position of M.S pipes and whered oxide primer coat to all themembers including commachineries for cutting, welding, grinding and erection complete as per specification (P.No.43, SI.No. 7.29 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total Rate Providing and fixing of pre pigmented extruded orangenecessary specials such as Ridges, Barges and Nail gutters of min 6" radius and down water pipes of 4" d ROOF or TRUSS. Including cost of materials, scaffol	plate and shoe plate. The eding wherever necess st of all materials, labor equipments, with all Rate ge cement roof tiles of section in the control of the section of the control of the section as per the roof designation.	ne work includes cutting, sary, and applying one coat of ur charges, and hire charges of lead and lift, transportation, etc				
	straightening, placing in position of M.S pipes and whered oxide primer coat to all themembers including comachineries for cutting, welding, grinding and erection complete as per specification (P.No.43, SI.No. 7.29 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total Rate Providing and fixing of pre pigmented extruded orangenecessary specials such as Ridges, Barges and Nail gutters of min 6" radius and down water pipes of 4" d ROOF or TRUSS. Including cost of materials, scaffol (P.No.51, SI.No. 8.29 of PWD SR 2018-19)	plate and shoe plate. The eding wherever necess st of all materials, labor equipments, with all Rate ge cement roof tiles of section in the control of the section of the control of the section as per the roof designation.	ne work includes cutting, sary, and applying one coat of ur charges, and hire charges of lead and lift, transportation, etc				
	straightening, placing in position of M.S pipes and whered oxide primer coat to all themembers including comachineries for cutting, welding, grinding and erection complete as per specification (P.No.43, SI.No. 7.29 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total Rate Providing and fixing of pre pigmented extruded orangenecessary specials such as Ridges, Barges and Nail gutters of min 6" radius and down water pipes of 4" d ROOF or TRUSS. Including cost of materials, scaffol (P.No.51, SI.No. 8.29 of PWD SR 2018-19) Basic Rate	plate and shoe plate. The eding wherever necess st of all materials, labor equipments, with all Rate ge cement roof tiles of section in the control of the section of the control of the section as per the roof designation.	ne work includes cutting, sary, and applying one coat of ur charges, and hire charges of lead and lift, transportation, etc. 111.00 111.00 11.10 122.10 Kg size 420mm x 330mm with providing PVC (6.00kgs/sq cn gn on EXISTING MS/WOODE applies as per specifications.				
	straightening, placing in position of M.S pipes and whered oxide primer coat to all themembers including commachineries for cutting, welding, grinding and erection complete as per specification (P.No.43, SI.No. 7.29 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total Rate Providing and fixing of pre pigmented extruded orangenecessary specials such as Ridges, Barges and Nail gutters of min 6" radius and down water pipes of 4" d ROOF or TRUSS. Including cost of materials, scaffol (P.No.51, SI.No. 8.29 of PWD SR 2018-19) Basic Rate Sub Total	plate and shoe plate. The eding wherever necess st of all materials, labor equipments, with all Rate ge cement roof tiles of section in the control of the section of the control of the section as per the roof designation.	ne work includes cutting, sary, and applying one coat of ur charges, and hire charges of lead and lift, transportation, etc. 111.00 111.00 11.10 122.10 Kg size 420mm x 330mm with providing PVC (6.00kgs/sq cn on EXISTING MS/WOODE apelte as per specifications.				
	straightening, placing in position of M.S pipes and whered oxide primer coat to all themembers including comachineries for cutting, welding, grinding and erection complete as per specification (P.No.43, SI.No. 7.29 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total Rate Providing and fixing of pre pigmented extruded orangenecessary specials such as Ridges, Barges and Nail gutters of min 6" radius and down water pipes of 4" d ROOF or TRUSS. Including cost of materials, scaffol (P.No.51, SI.No. 8.29 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage	plate and shoe plate. The eding wherever necess st of all materials, labour equipments, with all requipments are requipments of size as per the roof designal as per the ro	ne work includes cutting, sary, and applying one coat of ur charges, and hire charges of lead and lift, transportation, etc. 111.00 111.00 111.10 122.10 Kg size 420mm x 330mm with providing PVC (6.00kgs/sq cngn on EXISTING MS/WOODE apelte as per specifications. 721.00 721.00 721.00 793.10 Sqm				
37	straightening, placing in position of M.S pipes and whered oxide primer coat to all themembers including commachineries for cutting, welding, grinding and erection complete as per specification (P.No.43, SI.No. 7.29 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total Rate Providing and fixing of pre pigmented extruded orangenecessary specials such as Ridges, Barges and Nail gutters of min 6" radius and down water pipes of 4" d ROOF or TRUSS. Including cost of materials, scaffor (P.No.51, SI.No. 8.29 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRRB M300- Planting and Maintaining of Flowering Maintaining of Flowering Plants and Shrubs - A) Plant MORTH Specification No. 307	plate and shoe plate. The eding wherever necess st of all materials, labour equipments, with all requipments are requipments of size as per the roof designal as per the ro	ne work includes cutting, sary, and applying one coat of ur charges, and hire charges of lead and lift, transportation, etc. 111.00 111.00 111.10 122.10 Kg size 420mm x 330mm with providing PVC (6.00kgs/sq cngn on EXISTING MS/WOODE apelte as per specifications. 721.00 721.00 721.00 793.10 Sqm				
37	straightening, placing in position of M.S pipes and whered oxide primer coat to all themembers including commachineries for cutting, welding, grinding and erection complete as per specification (P.No.43, SI.No. 7.29 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total Rate Providing and fixing of pre pigmented extruded orangenecessary specials such as Ridges, Barges and Nail gutters of min 6" radius and down water pipes of 4" d ROOF or TRUSS. Including cost of materials, scaffol (P.No.51, SI.No. 8.29 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRRB M300- Planting and Maintaining of Flowering Maintaining of Flowering Plants and Shrubs - A) Plant MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149	plate and shoe plate. The eding wherever necess st of all materials, labour equipments, with all requipments are requipments of size as per the roof designal as per the ro	ne work includes cutting, sary, and applying one coat of ur charges, and hire charges of lead and lift, transportation, etc. 111.00 111.00 111.10 122.10 Kg size 420mm x 330mm with providing PVC (6.00kgs/sq cngn on EXISTING MS/WOODE applies as per specifications. 721.00 721.00 721.00 721.00 78RRB M300- 8.1. Planting and d shrubs in central verge				
37	straightening, placing in position of M.S pipes and whered oxide primer coat to all themembers including commachineries for cutting, welding, grinding and erection complete as per specification (P.No.43, SI.No. 7.29 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total Rate Providing and fixing of pre pigmented extruded orange necessary specials such as Ridges, Barges and Nail gutters of min 6" radius and down water pipes of 4" d ROOF or TRUSS. Including cost of materials, scaffor (P.No.51, SI.No. 8.29 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRRB M300- Planting and Maintaining of Flowering Maintaining of Flowering Plants and Shrubs - A) Plant MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149 Basic Rate	plate and shoe plate. The eding wherever necess st of all materials, labour equipments, with all requipments are requipments of size as per the roof designal as per the ro	ne work includes cutting, sary, and applying one coat of ur charges, and hire charges of lead and lift, transportation, etc. 111.00 111.00 11.10 122.10 Kg size 420mm x 330mm with providing PVC (6.00kgs/sq cn gn on EXISTING MS/WOODE pelte as per specifications. 721.00 721.00 721.00 73.10 Sqm SRRB M300- 8.1. Planting and d shrubs in central verge				

	Providing and laying heavy duty Tactile Tiles (Direction and	•	•	
	Yellow in colour , using cement and course sand for manufa		• •	•
	minimum compressive strength of 281 kg per sqm over 50n		,	•
39	compacting with plate vibrator having 3 tons compaction for		• .	
	come up in between joints, final compaction of paver surface	•	final level, includi	ng cost of
	materials, labour and HOM of machineries complete as per	specifications.		
	(As Per EOI)			
	Rate Approved as per EOI by MD MSCL Mangalore, Refer		912.00	
	Sr.No.12		912.00	
	Sub Total		912.00	
	Total Rate	Rate	912.00	Sqm
	IVCDDD M200 Turfing lower with fine greening including pla	uahina droosin	~ KCDDD M200	F. Turfing love
	KSRRB M300-Turfing lawns with fine grassing including plo	•	-	_
	with fine grassing including ploughing, dressing including broad and the state of t			
40	and supplying doobs grass roots at 10 cm apart, including s		•	yard manure at
40	rate of 0.6 cum per 100 sqm complete as per specifications	. MORTH Spec	ification No. 307	
	PWD SOR 18-19,SI No.19.82,Pg No149			
	Basic Rate		23.00	
	Sub Total		23.00	
	Add 10% For Area weightage		2.30	
	Total Rate	Rate	25.30	Sqm
41	10 'C' C' N 007		•	ns. MORTH
••	Specification No. 307. PWD SOR 18-19,SI No.19.83,Pg No149			
	·		92.00	
	PWD SOR 18-19,SI No.19.83,Pg No149 Basic Rate Sub Total		92.00 92.00	
	PWD SOR 18-19,SI No.19.83,Pg No149 Basic Rate		92.00 9.20	
	PWD SOR 18-19,SI No.19.83,Pg No149 Basic Rate Sub Total	Rate	92.00	
	PWD SOR 18-19,SI No.19.83,Pg No149 Basic Rate Sub Total Add 10% For Area weightage Total Rate		92.00 9.20 101.20	Sqm
	PWD SOR 18-19,SI No.19.83,Pg No149 Basic Rate Sub Total Add 10% For Area weightage Total Rate Providing and laying artline grass pavers or equivalent block	making machi	92.00 9.20 101.20 ne with strong vik	Sqm oratory
	PWD SOR 18-19,SI No.19.83,Pg No149 Basic Rate Sub Total Add 10% For Area weightage Total Rate Providing and laying artline grass pavers or equivalent block compaction, of approved size, design & shape, laid in require	making machied colour and p	92.00 9.20 101.20 ne with strong vik attern over and ir	Sqm oratory ncluding 50mm
42	PWD SOR 18-19,SI No.19.83,Pg No149 Basic Rate Sub Total Add 10% For Area weightage Total Rate Providing and laying artline grass pavers or equivalent block compaction, of approved size, design & shape, laid in require thick compacted bed of coarse sand, filling the joints with line	making machied colour and p	92.00 9.20 101.20 ne with strong vik attern over and ir	Sqm oratory ncluding 50mm
	PWD SOR 18-19,SI No.19.83,Pg No149 Basic Rate Sub Total Add 10% For Area weightage Total Rate Providing and laying artline grass pavers or equivalent block compaction, of approved size, design & shape, laid in require thick compacted bed of coarse sand, filling the joints with line Engineer-in-charge.	making machied colour and p	92.00 9.20 101.20 ne with strong vik attern over and ir	Sqm oratory ncluding 50mm
	PWD SOR 18-19,SI No.19.83,Pg No149 Basic Rate Sub Total Add 10% For Area weightage Total Rate Providing and laying artline grass pavers or equivalent block compaction, of approved size, design & shape, laid in require thick compacted bed of coarse sand, filling the joints with line Engineer-in-charge. (Non SOR)	making machied colour and p	92.00 9.20 101.20 ne with strong vikattern over and ircomplete as per t	Sqm oratory ncluding 50mm the direction of
	PWD SOR 18-19,SI No.19.83,Pg No149 Basic Rate Sub Total Add 10% For Area weightage Total Rate Providing and laying artline grass pavers or equivalent block compaction, of approved size, design & shape, laid in require thick compacted bed of coarse sand, filling the joints with line Engineer-in-charge. (Non SOR) Basic Rate	making machied colour and p	92.00 9.20 101.20 ne with strong vikattern over and ircomplete as per to 2067.00	Sqm oratory ncluding 50mm the direction of
	PWD SOR 18-19,SI No.19.83,Pg No149 Basic Rate Sub Total Add 10% For Area weightage Total Rate Providing and laying artline grass pavers or equivalent block compaction, of approved size, design & shape, laid in require thick compacted bed of coarse sand, filling the joints with line Engineer-in-charge. (Non SOR) Basic Rate Sub Total	making machi ed colour and p e sand etc. all o	92.00 9.20 101.20 ne with strong vik attern over and ir complete as per to 2067.00 2067.00	Sqm oratory neluding 50mm the direction of
	PWD SOR 18-19,SI No.19.83,Pg No149 Basic Rate Sub Total Add 10% For Area weightage Total Rate Providing and laying artline grass pavers or equivalent block compaction, of approved size, design & shape, laid in require thick compacted bed of coarse sand, filling the joints with line Engineer-in-charge. (Non SOR) Basic Rate	making machied colour and p	92.00 9.20 101.20 ne with strong vikattern over and ircomplete as per to 2067.00	Sqm oratory ncluding 50mm the direction of
	PWD SOR 18-19,SI No.19.83,Pg No149 Basic Rate Sub Total Add 10% For Area weightage Total Rate Providing and laying artline grass pavers or equivalent block compaction, of approved size, design & shape, laid in require thick compacted bed of coarse sand, filling the joints with line Engineer-in-charge. (Non SOR) Basic Rate Sub Total Total Rate	making machi ed colour and p e sand etc. all o	92.00 9.20 101.20 ne with strong vikattern over and ircomplete as per to 2067.00 2067.00 2067.00	Sqm oratory including 50mm the direction of
	PWD SOR 18-19,SI No.19.83,Pg No149 Basic Rate Sub Total Add 10% For Area weightage Total Rate Providing and laying artline grass pavers or equivalent block compaction, of approved size, design & shape, laid in require thick compacted bed of coarse sand, filling the joints with line Engineer-in-charge. (Non SOR) Basic Rate Sub Total Total Rate Providing and fixing Vitrified glazed tiles of approved make,	making machi ed colour and p e sand etc. all o Rate	92.00 9.20 101.20 ne with strong vik attern over and ir complete as per to 2067.00 2067.00 2067.00 ur of size 900 x 9	Sqm pratory including 50mm the direction of Sqm 00 x 12mm
42	PWD SOR 18-19,SI No.19.83,Pg No149 Basic Rate Sub Total Add 10% For Area weightage Total Rate Providing and laying artline grass pavers or equivalent block compaction, of approved size, design & shape, laid in require thick compacted bed of coarse sand, filling the joints with line Engineer-in-charge. (Non SOR) Basic Rate Sub Total Total Rate Providing and fixing Vitrified glazed tiles of approved make, thick fixed on bed of 12mm thick cement mortar for flooring,	Rate quality & color skirting and JC	92.00 9.20 101.20 ne with strong vik attern over and ir complete as per to 2067.00 2067.00 2067.00 ur of size 900 x 9 0 inted with neat complete as per to 2067.00	Sqm oratory including 50mm the direction of Sqm 00 x 12mm ement slurry
	PWD SOR 18-19,SI No.19.83,Pg No149 Basic Rate Sub Total Add 10% For Area weightage Total Rate Providing and laying artline grass pavers or equivalent block compaction, of approved size, design & shape, laid in require thick compacted bed of coarse sand, filling the joints with line Engineer-in-charge. (Non SOR) Basic Rate Sub Total Total Rate Providing and fixing Vitrified glazed tiles of approved make, thick fixed on bed of 12mm thick cement mortar for flooring, mixed with pigment to mach shade of tiles, including providing	Rate quality & color skirting and JC	92.00 9.20 101.20 ne with strong vik attern over and ir complete as per to 2067.00 2067.00 2067.00 ur of size 900 x 9 Dinted with neat coequired interval a	Sqm oratory including 50mm the direction of Sqm 00 x 12mm ement slurry
42	PWD SOR 18-19,SI No.19.83,Pg No149 Basic Rate Sub Total Add 10% For Area weightage Total Rate Providing and laying artline grass pavers or equivalent block compaction, of approved size, design & shape, laid in require thick compacted bed of coarse sand, filling the joints with line Engineer-in-charge. (Non SOR) Basic Rate Sub Total Total Rate Providing and fixing Vitrified glazed tiles of approved make, thick fixed on bed of 12mm thick cement mortar for flooring, mixed with pigment to mach shade of tiles, including providi stains, including cost of all mateirals, mortar, labour, etc., Co	Rate quality & color skirting and JC	92.00 9.20 101.20 ne with strong vik attern over and ir complete as per to 2067.00 2067.00 2067.00 ur of size 900 x 9 Dinted with neat coequired interval a	Sqm oratory including 50mm the direction of Sqm 00 x 12mm ement slurry
42	PWD SOR 18-19,SI No.19.83,Pg No149 Basic Rate Sub Total Add 10% For Area weightage Total Rate Providing and laying artline grass pavers or equivalent block compaction, of approved size, design & shape, laid in require thick compacted bed of coarse sand, filling the joints with line Engineer-in-charge. (Non SOR) Basic Rate Sub Total Total Rate Providing and fixing Vitrified glazed tiles of approved make, thick fixed on bed of 12mm thick cement mortar for flooring, mixed with pigment to mach shade of tiles, including providi stains, including cost of all mateirals, mortar, labour, etc., Co (KPWD 18-19,SI.No.14.45.1)	Rate quality & color skirting and JC	92.00 9.20 101.20 ne with strong vikattern over and incomplete as per to 2067.00 2067.00 2067.00 ur of size 900 x 9 Dinted with neat coequired interval a specification.	Sqm oratory including 50mm the direction of Sqm 00 x 12mm ement slurry ind removing
42	PWD SOR 18-19,SI No.19.83,Pg No149 Basic Rate Sub Total Add 10% For Area weightage Total Rate Providing and laying artline grass pavers or equivalent block compaction,of approved size, design & shape, laid in require thick compacted bed of coarse sand, filling the joints with line Engineer-in-charge. (Non SOR) Basic Rate Sub Total Total Rate Providing and fixing Vitrified glazed tiles of approved make, thick fixed on bed of 12mm thick cement mortar for flooring, mixed with pigment to mach shade of tiles, including providing stains, including cost of all mateirals, mortar, labour, etc., Compact (KPWD 18-19,SI.No.14.45.1) Basic Rate	Rate quality & color skirting and JC	92.00 9.20 101.20 ne with strong vikattern over and incomplete as per to 2067.00 2067.00 2067.00 ur of size 900 x 9 inted with neat cequired interval a specification.	Sqm oratory including 50mm the direction of Sqm 00 x 12mm ement slurry ind removing
42	PWD SOR 18-19,SI No.19.83,Pg No149 Basic Rate Sub Total Add 10% For Area weightage Total Rate Providing and laying artline grass pavers or equivalent block compaction, of approved size, design & shape, laid in require thick compacted bed of coarse sand, filling the joints with line Engineer-in-charge. (Non SOR) Basic Rate Sub Total Total Rate Providing and fixing Vitrified glazed tiles of approved make, thick fixed on bed of 12mm thick cement mortar for flooring, mixed with pigment to mach shade of tiles, including providi stains, including cost of all mateirals, mortar, labour, etc., Co (KPWD 18-19,SI.No.14.45.1)	Rate quality & color skirting and JC	92.00 9.20 101.20 ne with strong vikattern over and incomplete as per to 2067.00 2067.00 2067.00 ur of size 900 x 9 Dinted with neat coequired interval a specification.	Sqm oratory including 50mm the direction of Sqm 00 x 12mm ement slurry ind removing

44	KSRB 2.9: Spreading and forming the excavated 75mm. in all classes of soils including breaking classing areas complete as per specifications.specific (KSRB 18-19,Pg No.7,Sl No.2.16)	ds and tamping manually	•
	Basic Rate		9.00
	Sub Total		9.00
	Add 10% For Area weightage		0.90
	Total Rate	Rate	9.90 Sqm
45	Providing and fixing Pre cast solid concrete kerb single plastering and finishing cutting etc., complete. do- of size 450 x 150 x 400 mm (KSRRB 18-19,Pg No.27,SI No.5.29.1)	ones made out of CC 1:	2:4 and finished with CM 1:3
	Basic Rate		468.00
	Sub Total		468.00
	Add 10% For Area weightage		46.80
	Total Rate	Rate	514.80 Nos
46	fittings (medium grade weight 1.27 kglmtr) B class testing complete as per specifications. Specification No.KBS 13.2.14 I 13.8 do- 40 mm dia (KSRB 18-19,Pg No.92,SI No.13.5)	including cost of all mate	erials, labour charges, HOM and
	Basic Rate		447.00
	Sub Total		447.00
	Add 10% For Area weightage		44.70
	Total Rate		
	I Olai Nale	Rate	491.70 Rmt
47	KSRRB M800-13.Road Marking with Hot Applied on Bituminous Surface/ Concrete Surface: Providing mm thick including reflectorising glass beads at of surface applied glass beads as per IRC:35 star and free from streaks and holes complete as per streaks 18-19,SI No.24.15)	Thermoplastic Compouring and laying of hot appli 250 gms per sqm area, to dards specified. The finite	nd with Reflectrising Glass Beads ed thermoplastic compound 2.5 hickness of 2.5 mm is exclusive shed surface to be level, uniform pecification No. 803
47	KSRRB M800-13.Road Marking with Hot Applied on Bituminous Surface/ Concrete Surface: Providing mm thick including reflectorising glass beads at of surface applied glass beads as per IRC:35 star and free from streaks and holes complete as per s (KSRB 18-19,SI No.24.15) Basic Rate	Thermoplastic Compouring and laying of hot appli 250 gms per sqm area, to dards specified. The finite	nd with Reflectrising Glass Beads ed thermoplastic compound 2.5 hickness of 2.5 mm is exclusive shed surface to be level, uniform pecification No. 803
47	KSRRB M800-13.Road Marking with Hot Applied on Bituminous Surface/ Concrete Surface: Providing mm thick including reflectorising glass beads at of surface applied glass beads as per IRC:35 star and free from streaks and holes complete as per s (KSRB 18-19,SI No.24.15) Basic Rate Sub Total	Thermoplastic Compouring and laying of hot appli 250 gms per sqm area, to dards specified. The finite	nd with Reflectrising Glass Beads ed thermoplastic compound 2.5 hickness of 2.5 mm is exclusive shed surface to be level, uniform pecification No. 803
47	KSRRB M800-13.Road Marking with Hot Applied on Bituminous Surface/ Concrete Surface: Providing mm thick including reflectorising glass beads at of surface applied glass beads as per IRC:35 star and free from streaks and holes complete as per s (KSRB 18-19,SI No.24.15) Basic Rate	Thermoplastic Compouring and laying of hot appli 250 gms per sqm area, to dards specified. The finite	nd with Reflectrising Glass Beads ed thermoplastic compound 2.5 hickness of 2.5 mm is exclusive shed surface to be level, uniform pecification No. 803

Executive Engineer MSCL Mangaluru

Name of the Work :- Manglore Smart City Rate Analysis for Grass Paver Block

Sr.No.	Description	Unit	Qty.	Rate	Amount	References
2	Providing and laying artline grass pavers or equivalent block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge.					
	Details of cost for 10.00 sqm					
i	Interlocking C.C. paver block	Sqm	10	1631.114	16311.14	Basant Betons,Quotation
ii	Bedding layer - 50mm thick Coarse sand (zone III)=10x0.050=0.50 cum	Cum	0.5	1700	850	KPWD 18-19,SI No- 51
iii	Carriage of Coarse sand-25Km	Cum	0.5	80	40	
iv	Fine sand (zone IV)	Cum	0.15	1700	255	KPWD 18- 19,Material rate-54
V	Carriage of Coarse sand-25Km	Cum	0.15	80	12	
vi B	Laying charges (Bassed on actual observation) LABOUR					
i	Mason (brick layer) 1st class	Day	0.5	466.2	233.1	KPWD 18-19,Labour rate-12
ii	Mason (brick layer) 2nd class	Day	0.5	456.2	228.1	KPWD 18-19,Labour rate-13
iii	Mazdoor Heavy	Day	1	446.2	446.2	KPWD 18-19,Labour rate-6
iv	Mazdoor Light/Bisti	Day	0.5	446.2	223.1	KPWD 18-19,Labour rate-7
	Total				18598.64	
	Add 1 % Water charges				185.9864	
	Total Add 10 % Contractor's profit and overheads				18784.63 1878.46	
	Cost for 10.00 sqm				20663.09	
	Cost for 1.00 sqm.				2066.309	
	Say				2067	

Assistant Engineer MSCL Mangaluru

Name of the Work :- Mangalore Smart City

Basant Betons for Paver Block Quotation

Sr.No.	Description	Unit	Basic Rate	Transport ation	Final Rate
1	Artline grass pavers	Sqm	1400	231.114	1631.11

Assistant Engineer MSCL Mangaluru

Executive Engineer MSCL Mangaluru

MANGALURU SMART CITY 1.1 Grand Summary of E-Smart school - LP & HS Urdu Bunder

Sr. No.	Description	Cost In INR
1	E-Smart School - LP & HS Urdu Bunder	
а	Building & Compound wall works	5,820,913
b	Electrical Works	384,052
С	Plumbing Works	268,765
d	External Development - Softscape & Hardscape	2,866,973
	Total Cost	9,340,703

Executive Engineer MSCL Mangaluru

MANGALURU SMART CITY 1.2 BOQ of E-Smart School - LP & HS URDU BUNDER

Sr .No.	Description	Unit	Quantity	Rate	Amount
Α	Building & Compound wall works				
1	KSRRB M200-7.1. Clearing grass and removal of rubbish by manual means and stacking outside the periphery of the area cleaned complete as per specifications. MORTH Specification No. 201 PWD 18-19,Page No 138,SI No.18.10)	На	0.19	28330.50	5,383
2	KSRB 24-9 : Cleaning and washing of stone masonry wall surface with nitric acid including cost of materials, labour, complete as per specifications. Specification No.KBS 18-19, (Page No 130,SI No : 16.4)	Sqm	885.32	5.50	4,869
3	Providing and construction laterite size stone masonary including cost and conveyance of all materials curing etc. complete as per specification.I.S.3620/1979 having compressive strength not less then 3.5N/mm2 for saturated dry samples.For super structure in CM 1:6 (Cement 45 kgs/M3) (KPWD 18-19,Page No 384,SI No : 42.5.3)	Cum	43.77	3730.10	163,266
4	KSRB 15.3.10 Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry and concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. PWD 18-19,SI No.15.19,Pg No 116	Sqm	373.31	300.30	112,105
5	KSRB 15-16.1: Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - do - with Primer PWD 18-19,SI No.15.53.2,Pg No 120	Sqm	2868.45	112.20	321,840
6	Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, complete as per specifications. (KPWD 18-19,SI No.15.103)	Sqm	223.32	374.00	83,522
7	KSRRB MS00-10 Painting new letter and figures of any shade with synthetic enamel paint black or any other approved colour to give an even shade complete as per specifications. ("ii) English and Roman - Hyphen and the like not to be measured and paid for" MORTH Specification No.801 (KSRRB 18-19,SI No.24.10)	Cm	1400.00	0.77	1,078
8	Cleaning RCC sump tanks and RCC overhead tanks with mechanical dewatering including removal of sludge, mud, dirt, algea etc and cleaning the wall surface of tanks using high pressure jet, vacuum cleaning and spraying anti bacterial treatment to the wall and ceiling surfaces and UV treatment, including removing of sludge etc, using suitable coconut broomstick, squeesers I wipers I rubber brushes, coir brushes, plastic buckets, mugs, dewatering using motor with portal arrangement, hose pipe etc., complete including all safety measures. (KPWD 18-19,SI No.10.7)	L	15000.00	0.39	5,775
9	KSRB 15-18.3 : Providing and applying enamel metal paint one coat (excluding priming coat) on previously painted steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. PWD 18-19,SI No.15.75,Pg No 123	Sqm	51.34	67.10	3,445

Sr .No.	Description	Unit	Quantity	Rate	Amount
10	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 PWD 18-19,SI No.2.3,Pg No 6	Cum	310.10	328.90	101,992
11	KSRB 4-1.6; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 ems. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2 PWD 18-19,SI No.4.6,Pg No 13	Cum	26.11	6490.00	169,454
12	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregates @0.47cum, with super plasticisers @ 3 liters conforming to IS 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedestrals, retaining walls, returnwalls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. PWD 18-19,SI No.4.10,Pg No 14	Cum	76.42	6817.80	521,016
13	Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete with all lead lifts and as per specifications and directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18	МТ	5.73	77860.20	446,256
14	Providing and removing, centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications PWD 18-19,SI No.4.28,Pg No 16	Sqm	284.37	289.30	82,268
15	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses plinth cills and string courses cost of all materials, labour complete as per specifications. PWD 18-19,SI No.4.31,Pg No 16	Sqm	623.14	397.10	247,449
16	KSRRB M2200 - Providing Weep holes Providing weep holes in Brick masonry / Plain / Reinforced concrete abutment, wing wall / return wall with 100mm dia AC pipe , extending through the full width of the structure with slope of 1V:20H towards drawing force complete as per drawing and Technical specifications complete as per specifications. PWD 18-19,SI No.28.10,Pg No 229	Nos	22.00	161.70	3,557
17	KSRB 2-4 : Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications. PWD 18-19,SI No.2.11,Pg No 7	Cum	170.48	132.00	22,503

Sr .No.	Description	Unit	Quantity	Rate	Amount
18	Providing and fixing unplasticised PVC pipes with working pressure 10 kg/sq.cm with pipe fittings, clips, making good the floor, including cost of all materials, labour charges, HOM and testing complete as per specifications. KSRB 18-19,Pg No.77,SI No.11.56.2				
	do- with 110mm outer dia	Rmt	33.00	666.60	21,998
19	Providing & Fixing CI Grating (325 x 325mm) for road gully cover including fixing the cover and CM 1:3 Plastering 20mm thick to all exposed faces curing for 90 days with all lead including cost of plastering but excluding cost of concrete etc,completete (As Per EOI)	Each	11.00	893.00	9,823
20	KSRB 24-44: Repairs to plaster in patches of 2.5 sqm and less in walls, ceilings 10 to 20mm thick in cement mortar 1:4 including cutting the patches in proper shape and replastering the surface of the wall including disposal of rubbish with a lead of 50m including curing cost of materials, labour, complete as per specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133	Sqm	1049.45	304.70	319,769
21	Providing and fixing Special make glazed Vitrified tiles (Granomite finish) of approved make, quality and colour of size 600x600x10mm thick fixed on existing flooring with a special roffe adhesive for flooring and skirting etc., complete including providing spears at required interval and removing stains etc., complete. (P.No. 109, I.No. 14.43 of SR 2018-19).	Sqm	748.93	1452.00	1,087,446
22	Providing and laying of teak wooden polished flooring of 12mm thick, high density timber of approved colour and design with end trims, transition, profiles, beading, 15mm thick felt, and 20 micron polyester film with 4mm thick foam underlay etc., (P.No.113, I.No.14.70 of PWD SR 2018-19)	Sqm	42.81	5280.00	226,037
23	KSRB 14.14-5: Providing Ceramic tiles of approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing, complete as per specifications for Ceramic Tiles of size 30x30cms 6mm thick. PWD 18-19,SI No.14.36.2,Pg No.107 and 108	Sqm	434.37	1332.10	578,624
24	Providing and laying pattern flooring for staircase treads and risers using the combination of 20mm thick ruby red granite @ 66%,20 mm thick grey granite @ 20%, 20mm thick, 20mm thick black granite 14%. The granite materials are laid on existing bed of CM 1:3 20mm thick pointed with colour pigment, including full rounding for nosing, flaming the ruby red granite for 50 mm wide curing etc., complete as per specification. (P.No. 109, I.No. 14.46 of PWD SR 2018-19)	Sqm	48.48	7914.50	383,695
25	Repairing door and window frames with available wood to the required size. PWD 18-19,SI No.37.12,Pg No 267	Sqm	80.50	753.50	60,657
26	Repairing and fixing shutters (panelled or glazed) to doors, windows, ventilators and cupboards. PWD 18-19,SI No.37.13,Pg No.267	Sqm	80.50	753.50	60,657
27	KSRB 15-15.1: Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - do- with primer PWD 18-19,SI No.15.51.2,Pg No.119	Sqm	2373.08	99.00	234,935
28	KSRB 15-17.19: Providing and applying painting one coat (excluding priming coat) on previously painted wood surface and / or wood based surface with black japan paint to give an even shade after cleaning the surface of all dirt, dust and foreign matter, including cost of materials, labour, complete as per specifications. PWD 18-19,SI No.15.71,Pg No.123	Sqm	114.03	61.60	7,024

Sr .No.	Description	Unit	Quantity	Rate	Amount
29	KSRB 15-17.19:Applying additional one coat (excluding priming coat) on previously painted wood surface and / or wood based surface with black japan paint to give an even shade after cleaning the surface of all dirt, dust and foreign matter, including cost of materials, labour, complete as per specifications. PWD 18-19,SI No.15.72,Pg No.123	Sqm	114.03	55.00	6,272
30	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification PWD 18-19,SI No.10.5.1,Pg No 69	Sqm	912.89	578.60	528,198
В	External Development - Softscape & Hardscape				
31	Providing and fixing Vitrified glazed tiles of approved make, quality & colour of size 900 x 900 x 12mm thick fixed on bed of 12mm thick cement mortar for flooring, skirting and JOinted with neat cement slurry mixed with pigment to mach shade of tiles, including providing spacers at required interval and removing stains, including cost of all mateirals, mortar, labour, etc., Complete as per specification. (KPWD 18-19,SI.No.14.45.1)	Sqm	660.00	1446.50	954,690
32	KSRRB M300- Planting and Maintaining of Flowering Plants and Shrubs KSRRB M300- 8.1. Planting and Maintaining of Flowering Plants and Shrubs - A) Planting flowring plants and shrubs in central verge MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149	Rmt	130.00	50.60	6,578
33	KSRRB M300-Turfing lawns with fine grassing including ploughing, dressing KSRRB M300-5. Turfing lawns with fine grassing including ploughing, dressing including breaking of clods, removal of rubbish, dressing and supplying doobs grass roots at 10 cm apart, including supplying and spreading of farm yard manure at rate of 0.6 cum per 100 sqm complete as per specifications. MORTH Specification No. 307 PWD SOR 18-19,SI No.19.82,Pg No149	Sqm	617.00	25.30	15,610
34	KSRRB M300- Maintenance of lawns with fine grassing for the first year KSRRB M300-6. Maintenance of lawns with fine grassing for the first year including watering etc complete as per specifications. MORTH Specification No. 307. PWD SOR 18-19,SI No.19.83,Pg No149	Sqm	617.00	101.20	62,440
35	Providing and laying artline grass pavers or equivqlent block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge. (Non SOR)	Sqm	449.00	2067.00	928,083
36	KSRB 2.9 : Spreading and forming the excavated earth to required level, slope for an average thickness of 75mm. in all classes of soils including breaking clods and tamping manually alround the building and low laying areas complete as per specifications.specification. No. KBS : (KSRB 18-19,Pg No.7,SI No.2.16)	Sqm	617.00	9.90	6,108

Sr .No.	Description	Unit	Quantity	Rate	Amount
37	1 Surface Preparation: Saw cutting further to construction and contol joints in floor to 10mm wide x 10mm deep as shear key, include surface preparation by mechanical means using Grinding machines with frequency control drive and planetry drive, equipped with a vaccum pipe for dust collection. where operating width should not be more than 400mm, power 5HP 3phase, voltage 220V/415V, Motor speed should be 700 RPM-900 RPM followed by Hand grinding machine for non approachable areas as directed in BS 8203: Code of practice for installation of resilient floor coverings,BS 8204 Parts 1, 3, 6 and 7 and FERFA followed by as required all in complete as per manufacturers and EIC. Work need to be done by flooring specialist only recommended by Flowcrete only.				
	2.Clean the surface thoroughly, fix the shear anchor with designed gap of construction and control joint.				
	3. Supplying and Installing Versaspeed / Thin top Supreme/ Eucocrete of FLOWCRETE (USA) versatile, single-component, rapid-setting mortar for horizontal, and form and pour repair projects. Requiring only the addition of water and 25% -40% pea aggregates, where the compressive strength should be 58.6Mpa as per ASTM C 109, Flexural strength as per ASTM C 348 should be 6.2Mpa in 1 day, Linear shrinkage as per ASTM C157 should be -0.083%, chloride permeability should be 900 coulombs as per ASTM C 1202 along with along with TUF-STRAND SF "structural fibers" of FLOWCRETE are a patented polypropylene / polyethylene synthetic macro-fiber successfully used to replace steel fibers, welded wire mesh and conventional reinforcing bars in a wide variety of applications. TUF-STRAND SF fibers comply with ASTM C1116, Standard Specification for Fiber Reinforced Concrete and Shotcrete, and are specifically designed to provide equivalent tensile and bending resistance to conventional reinforcement requirements. Concrete reinforced with TUF-STRAND SF will have three-dimensional reinforcing with enhanced flexural toughness, impact and abrasion resistance and will also help mitigate the formation of plastic shrinkage cracking in concrete. Dosage rates will vary depending upon the reinforcing requirements and can range from 1.8 kg/m³ to 12 kg/m³. TUF-STRAND SF synthetic macro-fibers comply with applicable portions of the International Code Council (ICC)				
	Acceptance Criteria AC32 for synthetic fibers, are UL certified for composite metal deck construction and are recognized within ACI 360 and SDI/ANSI-C1.0 as a reinforcing alternate to WWF. Mixing and applying repair Mortar as per the manufacturer's recommendations within the open time of the bonding agents. Finish to level of surrounding concrete surface utilizing techniques recommended and finished with bull floater top of by manufacturer or as per the site Engineer. THICKNESS- 30MM	Sqm	202.00	2600.00	525,200
38	Cutting 10mmX10mm joint where the joint a/b should not be more than 1.02, (As per TR34). followed by Providing and filling Decksheild putty/EUCO700 all in complete as per manufacturer direction or EIC.	Rmt	404.00	130.00	52,520
39	To supply and apply Green Label certified Decksheild system, low VOC as per ISO11890-2 resulted in Very Low <20g/L, solvent free, flexible polyurethane park deck coating system providing a colourful watertight, hard- wearing surface for intermediate decks of multi-storey, basement and other trafficable suspended floors consisting of 3 component, solvent free, Polyurethane based primer/body coat/binding agent having solid content of approximately 100% which accepts silica aggregate scatter to produce an anti skid surface as well as 2 component, coloured, flexible polurethane coating having 100% solid contents to seal the aggregate layer where UV light staibility is not critical having chemical resistance property to Petrol, Diesel, Antifreeze, Hydraulic Fluids, Chlorides & Battery Acids etc. Technical profile having Fire resistance -BS476-3 Designated EXT.F.AA, Slip Resistance as per TRRL Pendulum Slip Test resulted in Dry>40. Wet>40 (Low Slip Potential), Abrasion Resiatance as per Taber Abrader resulted in 0.1 mg loss per 1000 cycles (1Kg Load using CS17 wheels). For exposed area UV stable 2 component Polyurethane based top coat having abrasion resistance as per Taber Abrader: 0.1g loss per 1000 cycles, 100% UV Light stable & prevents from yellowing effect, followed by as required all in complete as per manufacturers and EIC	Sqm	202.00	1400.00	282,800

Sr .No.	Description	Unit	Quantity	Rate	Amount
40	KSRB13-1.1: Providing and fixing to wall, ceiling and floor galvanised I mild steel tube nominal bore with fittings (medium grade weight 1.27 kglmtr) B class including cost of all materials, labour charges, HOM and testing complete as per specifications. Specification No.KBS 13.2.14 I 13.8	Rmt	67.00	491.70	32,944
	GRAND TOTAL				8,687,886

GST @12% on SOR & Non SOR GST @18% on Market 7817543 860520 938105 154894

Executive Engineer MSCL Mangaluru

MANGALURU SMART CITY

1.3 Measurement of E-SMART SCHOOL - LP & HS Urdu Bunder

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
1	KSRRB M200-7.1. Clearing grass and removal of rubbish by manual means and stacking outside the periphery of the area cleaned complete as per specifications. MORTH Specification No. 201						
	PWD 18-19,Page No 138,SI No.18.10)						
	Total Area	Sqm	1	3194.00	Area		3194.00
	Ded	Sqm Sqm	-1	1294.00	Area		-1294.00 1900.00
		Ha					0.190
		114					0.100
2	KSRB 24-9: Cleaning and washing of stone masonry wall surface with nitric acid including cost of materials, labour, complete as per specifications. Specification No.KBS 18-19, (Page No 130,Sl No : 16.4)						
	Compound wall - Front side	Sqm	2	48.80		1.80	175.68
	Right side Left side	Sqm Sqm	2	64.90 76.60		1.80 2.00	233.64 306.40
	Back side	Sqm	2	38.20		2.00	152.80
	Pillar	Sqm	2	2.00		1.80	7.20
	Pillar	Sqm	2	2.40		2.00	9.60
		Sqm			Total		885.32
3	Providing and construction laterite size stone masonary including cost and conveyance of all materials curing etc. complete as per specification.I.S.3620/1979 having compressive strength not less then 3.5N/mm2 for saturated dry samples.For super structure in CM 1:6 (Cement 45 kgs/M3) (KPWD 18-19,Page No 384,SI No : 42.5.3)						
	Compound wall - Front side	Cum	1	19.52	0.23	1.80	8.08
	Right side	Cum	1	25.96	0.23	1.80	10.75
	Left side Back side	Cum	1	30.64	0.23	2.00 2.00	14.09
	Pillar	Cum Cum	2	15.28 0.80	0.23 0.23	1.80	7.03 0.66
	Pillar	Cum	2	0.80	0.23	2.00	0.88
	Sitting	Cum	6	1.65	0.23	1.00	2.28
	Total Quantity	Cum			Total		43.77
4	KSRB 15.3.10 Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry and concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. PWD 18-19,SI No.15.19,Pg No 116						
	Compound wall - Front side	Sqm	2	19.52		1.80	70.27
	Right side	Sqm	2	25.96		1.80	93.46
	Left side	Sqm	2	30.64		2.00	122.56
	Back side	Sqm	2	15.28		2.00	61.12
	Pillar	•	2	0.80		1.80	2.88
		Sqm					
	Pillar	Sqm	2	0.96		2.00	3.84
	Sitting	Sqm	12	1.88		0.85	19.18
	Total Quantity	Sqm			Total		373.31
5	KSRB 15-16.1: Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - do - with Primer PWD 18-19,SI No.15.53.2,Pg No 120						
	Compound wall - Front side	Sqm	2	48.80		1.80	175.68
	Right side	Sqm	2	64.90		1.80	233.64
	Left side	Sqm	2	76.60		2.00	306.40
	Back side	Sqm	2	38.20		2.00	152.80
	Pillar	Sqm	2	2.00		1.80	7.20
	Pillar	Sqm	2	2.40		2.00	9.60
	Block 2	C	4	04.70		0.45	440 70
	Outside Building -GF Ded	Sqm	1	34.72		3.45	119.78
	Door-D2	Sqm	-1	1.20		2.10	-2.52
	D001 D2	Oqiii		1.20	l	2.10	-2.32

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	Window-W Window-W3	Sqm Sqm	-2 -2	1.20 1.50		1.35 1.30	-3.24 -3.90
	Store & Toilet Outside wall - GF	Sqm	1	15.25		2.80	42.70
	Ded						
	Door-D	Sqm	-1	1.00		2.00	-2.00
	Window-W Rolling Shutter	Sqm Sqm	-2 -1	1.20 1.10		1.35 2.10	-3.24 -2.31
	Ventilator-V	Sqm	-2	0.15		0.25	-0.08
	Computer Lab -FF	Sqm	1	34.44		3.50	120.54
	Ded						
	Rolling Shutter	Sqm	-1	2.44		2.10	-5.12
	Window-W3 Sliding Window-SW	Sqm Sqm	-2 -2	2.40 1.60		1.31 1.50	-6.29 -4.80
	Parapet wall	Sqm	2	10.76		0.75	16.14
	Parapet wall	Sqm	2	10.76		0.25	5.38
	Ceiling						
	GF FF	Sqm Sqm	1	10.76 10.76	1.40 1.40		15.06 15.06
	Staircase Handwall	Sqm	1	15.00	1.40	1.00	15.06
	Ramp Side	Sqm	1	0.70		0.15	0.11
	Sitting	Sqm	12	1.88		0.85	19.18
	Block 3						
	Outside wall	Sqm	1	82.92		3.50	290.22
	Ded						
	Door-D	Sqm	-4	1.00		2.00	-8.00
	Window-W	Sqm	-6	0.90		1.20	-6.48
	Window-W1 Rolling Shutter	Sqm Sqm	-12	0.90 1.15		1.36 2.60	-14.69
	Parapet wall	Sqm	-1 2	86.62		0.78	-2.99 134.26
	Column	Sqm	11	1.50		3.00	49.50
	Chejja	Oqiii	'''	1.50		3.00	49.50
	Window-W	Sqm	12	1.20	0.60		8.64
	Window-W1	Sqm	8	1.20	0.60		5.76
	Block 4	,					
	Outside Building-GF	Sqm	1	75.54		3.50	264.39
	Outside Building-FF	Sqm	1	75.54		3.24	244.75
	Ded						
	Door-D	Sqm	-11	1.00		2.00	-22.00
	Window-W	Sqm	-12	0.90		1.20	-12.96
	Window-W1	Sqm	-5	0.60		0.90	-2.70
	Column Ramp Side	Sqm	26	0.79		3.00 0.25	
	Parapet wall	Sqm Sqm	2	1.50 31.00		1.07	0.75
	Parapet wall	Sqm	2	75.54		0.42	66.34 63.45
	Ceiling	Sqm	2	31.00	1.80	0.42	111.60
	Block 5	Oqiii		01.00	1.00		111.00
	Outside Building-GF	Sqm	1	42.56		3.50	148.96
	Ded	- '					
	Rolling Shutter	Sqm	-1	1.05		2.10	-2.21
	Door-D2	Sqm	-1	1.05		2.10	-2.21
	Window-W	Sqm	-4	1.34		1.60	-8.58
	Window-W1	Sqm	-2	1.50		1.33	-3.99
	Window-W2	Sqm	-2	1.50		1.30	-3.90
	Outside Building-FF	Sqm	1	27.44		3.13	85.75
	Ded						
	Rolling Shutter	Sqm	-1	1.05		2.10	
	Window W2	Sqm	-2	1.34		1.60	-4.29
	Window-W2 Staircase Handwall	Sqm Sqm	-2 2	1.50 10.00		1.30	-3.90
	Staircase Handwali		1		0.95	1.00	20.00
	Column-C1	Sqm Sqm	8	10.00	0.85	2.70	8.50 21.60
	Parapet wall	Sqm	2	17.00		1.18	=
	Terrcae Parapet wall	Sqm	2	14.20		0.45	39.95 12.78
	Ceiling-GF	Sqm	1	16.00	1.82	0.10	29.12
	Ceiling-FF	Sqm	1	9.00	1.82		16.38
	Block 7	34	-				10.00
	Outside Building	Sqm	1	21.40		3.30	70.62
	Ded	- 1					
	Door-D	Sqm	-2	1.00		2.10	-4.20
	Window-W1	Sqm	-1	0.90		1.00	-0.90
	Ventilator-V	Sqm	-2	0.60		0.60	
		Sqm			Total	1	2868.45

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation,						
6	loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, complete as per specifications.						
	(KPWD 18-19,SI No.15.103)						
	Compound wall - Front side B2 Block	Sqm	2	48.80 10.30		1.80 1.20	87.8- 24.7
	B3 Block	Sqm Sqm	1	36.30		1.20	43.5
	B4 Block	Sqm	1	31.00		1.20	37.2
	B5 Block	Sqm	1	25.00	T-4-1	1.20	30.0
		Sqm			Total		223.3
7	KSRRB MS00-10 Painting new letter and figures of any shade with synthetic enamel paint black or any other approved colour to give an even shade complete as per specifications. ("ii) English and Roman - Hyphen and the like not to be measured and paid for" MORTH Specification No.801 (KSRRB 18-19,SI No.24.10)						
	Total Qty-Name Plate, Signages & School Entrance signages on	Cm	28	50.00			1400.0
	wall	Cm			Total		1400.0
	Cleaning BCC cump tanks and BCC everboad tanks with						
8	Cleaning RCC sump tanks and RCC overhead tanks with mechanical dewatering including removal of sludge, mud, dirt, algea etc and cleaning the wall surface of tanks using high pressure jet, vacuum cleaning and spraying anti bacterial treatment to the wall and ceiling surfaces and UV treatment, including removing of sludge etc, using suitable coconut broomstick, squeesers I wipers I rubber brushes, coir brushes, plastic buckets, mugs, dewatering using motor with portal arrangement, hose pipe etc., complete including all safety measures.						
	(KPWD 18-19,SI No.10.7) Total Qty	1	15000				15000.0
	Total Qty	Ltr	13000		Total		15000.0
9	KSRB 15-18.3 : Providing and applying enamel metal paint one coat (excluding priming coat) on previously painted steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. PWD 18-19,SI No.15.75,Pg No 123						
	Entrance Gate-1st	Sqm	1	2.70		2.00	5.4
	Entrance Gate-2nd	Sqm	1	1.50		2.00	3.0
	B2 Block Rolling Shutter	Sqm	2	2.40		2.10	10.0
	B2 Block Rolling Shutter B3 Block Rolling Shutter	Sqm Sqm	2	1.10 1.15		2.10 2.60	4.6 5.9
	Ramp Handrail	Sqm	1	2.00		1.00	2.0
	B4 Rolling Shutter	Sqm	2	2.20		2.60	11.4
	B5 Rolling Shutter	Sqm	4	1.05	T-4-1	2.10	8.8
		Sqm			Total		51.3
10	KSRB 2-2.1: Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) /						
	2.3.5 PWD 18-19,SI No.2.3,Pg No 6						
	Block 2	Cum	1	34.72	0.30	0.45	4.6
		Cum	1	15.25	0.30	0.45	2.0
	Block 3 Block 4	Cum Cum	1	82.92 75.54	0.30 0.30	0.45 0.45	11.1 10.2
	Block 5	Cum	1	42.56	0.30	0.45	5.7
	Block 7	Cum	1	21.40	0.30	0.45	2.8
	RCC Covered Drain						
	SWD - 0.45m Clear Width SWD - 0.60m Clear Width	Cum	1	237.79	0.95	0.96	216.8
	SWD - 0.60m Clear Width SWD Chamber	Cum Cum	11	27.06 0.70	1.10 0.70	1.18 0.50	34.9 2.7
	UPVC Pipe	Cum	1	33.00	0.75	0.30	18.7
	or voripe						

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
11	KSRB 4-1.6; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 ems. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2 PWD 18-19,SI No.4.6,Pg No 13						
	PCC for Raft						
	SWD - 0.45m Clear Width	Cum	1	237.79	0.95	0.10	22.59
	SWD - 0.60m Clear Width	Cum	1	27.06	1.10	0.10	2.98
	SWD Chamber	Cum	11	0.70	0.70 Total	0.10	0.54 26.11
12	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregates @ 0.47cum, with super plasticisers @ 3 liters conforming to IS 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedestrals, retaining walls, returnwalls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. PWD 18-19,SI No.4.10,Pg No 14						
	RCC Covered Drain						
	Raft			207.70	0.05		00.10
	SWD - 0.45m Clear Width	Cum	1	237.79	0.65	0.15	23.18
	SWD - 0.60m Clear Width SWD Chamber	Cum Cum	1 11	27.06 0.50	0.80 0.50	0.15 0.10	3.25 0.28
	Side wall	Cuiii	11	0.50	0.50	0.10	0.20
	SWD - 0.45m Clear Width	Cum	2	237.79	0.10	0.56	26.63
	SWD - 0.60m Clear Width	Cum	2	27.06	0.10	0.775	4.19
	SWD Chamber	Cum	11	1.20	0.10	0.30	0.40
	Covered Slab						
	SWD - 0.45m Clear Width	Cum	1	237.79	0.45	0.15	16.05
	SWD - 0.60m Clear Width	Cum Cum	1	27.06	0.60	0.15	2.44 76.42
		Juin					70.72
13	Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete with all lead lifts and as per specifications and directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18				Kg/Cum		
	RCC Covered Drain						
	Raft	Kg	1	26.71	75 75		2003.25
	Side wall Covered Slab	Kg Kg	1	31.22 18.49	75 75		2341.50 1386.75
	Covered Stab	Kg Kg	ı	10.49	75		5731.50
		MT					5.73
14	Providing and removing,centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications PWD 18-19,SI No.4.28,Pg No 16 RCC Covered Drain						
	Raft side						
	SWD - 0.45m Clear Width	Sqm	2	237.79		0.15	71.34
1	SWD - 0.60m Clear Width	Sqm	2	27.06		0.15	8.12
	SWD Chamber	Sqm	11	2.00	-	0.10	2.20
				•			
	RCC Covered Drain						
	RCC Covered Drain Slab Bottom	Sam	1	237 79	0.45		107 01
	RCC Covered Drain	Sqm Sqm	1	237.79 27.06	0.45 0.60		
	RCC Covered Drain Slab Bottom SWD - 0.45m Clear Width SWD - 0.60m Clear Width Slab side						
	RCC Covered Drain Slab Bottom SWD - 0.45m Clear Width SWD - 0.60m Clear Width						107.01 16.24 71.34 8.12

Providing and servoring centrating, shuttering, strating, propping ste, and removal of form work for vertical extends such as wells at any thickness, including attached plasters, buttresses plinth cits and arting course soot of all materials, labour complete as per specifications. PVL 18-19, SIN-0-43 Pg Nb 16 RCC Covered Drain SWD - 0.56m Clear Width SWD - 0.50m Clear Width Width of the structure with slope of 1V-20H towards drawing force complete as por drawing and Technical specifications complete saper specifications. SWD - 0.50m Clear Width SWD - 0.50m Clear Width SWD - 0.50m Clear Width Nos SWD - 0.50m Clear Width SWD -	Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
PWD 18-19.SI No.4.31 Pq. No.16 RCC Covered Drain Wall side Spr. 1	15	etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses plinth						
Wall side SWD - 0.45m Clear Width Sqm 4 237.79 0.56 SWD - 0.66m Clear Width Sqm 4 27.06 0.78 SWD - 0.66m Clear Width Sqm 4 27.06 0.78 SWD - 0.66m Clear Width Sqm 4 27.06 0.78 SVD - 0.66m Clear Width Sqm 4 27.06 0.78 SVD Chamber Sqm 1 2.00 0.30 Sqm Sqm		per specifications. PWD 18-19,SI No.4.31,Pg No 16						
SWD - 0.45m Clear Width Sqm 4 237.79 0.556								
SWD Chamber			Sqm	4	237.79		0.56	532.65
KSRRB M2200 - Providing Weep holes Providing weep holes in Brick masonry / Plain / Reinforced concrete abutment, wing wall / return wall with 100mm dia AC pipe , extending through the full width of the structure with sippe of 11/2014 towards drawing force complete as per drawing and Technical specifications complete as per drawing and Technical specifications complete as per drawing and Technical specifications complete as per specifications (Complete as per drawing and Technical specifications complete as per specifications (Complete as per specifications) (Complete as per specification								83.89
Brick masonry / Plain / Reinforced concrete abutment, wing wall / return wall with 100mm dia AC pipe, a keatending through the full with of the structure with slope of 11/20H towards drawing force complete as per drawing and Technical specifications complete as per specifications. PMT 18-15.81 No.28 13.0-Pa No.229 RCC Govered Drain KSRB 2-4: Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, competing each deposited layer by ramming after watering with lead upto 50m. and fit upto 1.5 m. including cost of all labour complete as per specifications. PMU 18-15.81 No.21 Play No.7 RCC Covered Drain Total Escavated City PCC City Qum 1 Providing and fixing umplasticised PVC pipes with working pressure 10 kg/sq.cm with pipe fitnings, clips, making good the testing complete as per specifications. PWD 18-19-Pg No.77, SI No.11.56.2 do-with 110mm outer dia RCC Covered Drain Providing and fixing umplasticised PVC pipes with working pressure 10 kg/sq.cm with pipe fitnings, clips, making good the testing complete as per specifications. RCC RCC with 110mm outer dia RCC Covered Drain RCC RCC RCC RCC RCC RCC RCC RCC RCC RC		SWD Chamber		11	2.00		0.30	6.60 623.14
RCC Covered Drain	16	Brick masonry / Plain / Reinforced concrete abutment, wing wall / return wall with 100mm dia AC pipe, extending through the full width of the structure with slope of 1V:20H towards drawing force complete as per drawing and Technical specifications complete as per specifications.						
KSRB 2-4 : Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m, and lift upto 1.5m, including cost of all labour complete as per specifications. PWD 18-19.SI No.2:11.Pg No 7 RCC Covered Drain Total Excavated City Cum -1 PCC Gay Cum -1 Providing and fixing unplasticised PVC pipes with working pressure 10 kg/sq.cm with pipe fittings, clips, making good the floor, including cost of all materials, labour charges, HOM and testing complete as per specifications. KSRB 18-19.Pg No.77, SI No.11.56.2 do-with 110mm outer dia RCC Covered Drain Rmt Providing & Fixing CI Grating (325 x 325mm) for read gully cover including fixing the cover and CM 1:3 Plastering 20mm thick to all exposed faces curing for 90 days with all lead including cost of plastering but excluding cost of plastering but excluding cost of plastering but excluding cost of materials, labour, completed (As Per EC)) SWD Chamber Each KSRB 24-44 : Repairs to plaster in patches of 2.5 sqm and less in walls, calings, 10 to 20mm thick in cament mortar 1-4 including cutting the patches in proper shape and replastering the surface of the wall including disposal or furbish with a lead of 50 mincluding cutting cost of materials, labour, complete as per specifications. Specifications No.KBS 24.2.1 PWD 18-19.SI No.16.39.Pg No 133 Block 2 Outside wall Store & Toilet Outside wall - GF Sqm 1 15.25 2.260 Computer Lab-FF Sqm 1 75.54 6.74 Block 5 Sqm 1 42.56 6.63 Block 7 Sqm 1 42.56 6.63		RCC Covered Drain						
KSRB 2-4 : Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including osst of all labour complete as per specifications. PWD 18-19,SI No.2-11,Pg No 7 RCC Covered Drain Total Excavated City PCC City QCUm -1 RCC Qum -1 Providing and fixing unplasticised PVC pipes with working pressure 10 kg/sq. cm with pipe fittings, clips, making good the floor, including cost of all materials, labour charges, HOM and testing complete as per specifications. RRM 1.00 33.00 RRM 1.00 August 1.00 Au		SWD Chamber		22.00				22.00
layers not exceeding 20cms in depth, compacting each deposited 1 layer by ramming after watering with lead upto 50m, and lift upto 1.5 m. including cost of all labour complete as per specifications. PWD 18-19.SI No.2-11, Pg No 7 RCC Covered Drain Total Excavated Qty			Nos					22.00
Total Excavated Qty	17	layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications.						
PCC Qty								
RCC Qty UPVC Pipe 110mm Dia Cum 1 33.00 0.01 Providing and fixing unplasticised PVC pipes with working pressure 10 kg/sq.cm with pipe fittings, clips, making good the 18 too, including cost of all materials, labour charges, HOM and testing complete as per specifications. KSRB 18-19,Pg No.77,Sl No.11.56.2 do- with 110mm outer dia RCC Covered Drain Rmt RCC Covered Drain Rmt Rmt RCC Covered Drain Rmt Rmt Providing & Fixing Cl Grating (325 x 325mm) for road gully cover including fixing the cover and CM 1:3 Plastering 20mm thick to all exposed faces curing for 90 days with all lead including cost of plastering but excluding cost of concrete etc, complete (As Per EOI) SWD Chamber Each KSRB 24-44 : Repairs to plaster in patches of 2.5 sqm and less in walls, cellings 10 to 20mm thick in cement mortar 1:4 including cutting the patches in proper shape and replastering the surface of the wall including disposal of rubbish with a lead of 50m including curing ost of materials, labour, complete as per specifications. Specification No.KBS 24.2.1 PVD 18-19,SI No.16.39,Pg No 133 Block 2 Outside wall Store & Tollet Outside wall - GF Sqm 1 1 34.72 3.45 Store & Tollet Outside wall - GF Sqm 1 1 52.52 2.80 Computer Lab - FF Sqm 1 1 34.44 3.50 Block 3 Sqm 1 82.92 4.28 Block 4 Sqm 1 75.54 6.74 Block 5 Sqm 1 21.40 Total								273.32
UPVC Pipe 110mm Dia								-26.11 -76.42
Providing and fixing unplasticised PVC pipes with working pressure 10 kg/sq.cm with pipe fittings, clips, making good the floor, including cost of all materials, labour charges, HOM and testing complete as per specifications. KSRB 18-19,Pg No.77,Sl No.11.56.2 do- with 110mm outer dia RCC Covered Drain Rmt Providing & Fixing CI Grating (325 x 325mm) for road gully cover including fixing the cover and CM 1:3 Plastering 20mm thick to all exposed faces curing for 90 days with all lead including cost of plastering but excluding cost of concrete etc,completete (As Per EOI) SWD Chamber Each KSRB 24-44: Repairs to plaster in patches of 2.5 sqm and less in walls, ceilings 10 to 20mm thick in cement mortar 1:4 including cutting the patches in proper shape and replastering the surface of the wall including disposal of trubish with a lead of 50m including curing cost of materials, labour, complete as per specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No.133 Block 2 Outside wall Sqm 1 34.72 3.45 Store & Toilet Outside wall - GF Sqm 1 34.44 3.5.0 Block 3 Sqm 1 82.92 4.28 Block 5 Sqm 1 75.54 6.6.74 Block 7 Sqm 1 75.54 6.6.74 Sqm 1 75.54 6.6.74					33.00	0.01		-76.42
pressure 10 kg/sq.cm with pipe fittings, clips, making good the floor, including cost of all materials, labour charges, HOM and testing complete as per specifications. KSRB 18-19,Pg No.77,SI No.11.56.2 do- with 110mm outer dia RCC Covered Drain Rmt Providing & Fixing CI Grating (325 x 325mm) for road guilty cover including fixing the cover and CM 1:3 Plastering 20mm thick to all exposed faces curing for 90 days with all lead including cost of plastering but excluding cost of concrete etc,completete (As Per EOI) SWD Chamber Each KSRB 24-44 : Repairs to plaster in patches of 2.5 sqm and less in walls, ceilings 10 to 20mm thick in cement mortar 1:4 including cutting the patches in proper shape and replastering the surface of the wall including disposal of rubbish with a lead of 50m including curing cost of materials, labour, complete as per specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133 Block 2 Outside wall Som 1 34.72 3.45 Store & Toiled Outside wall - GF Sqm 1 34.44 3.50 Block 3 Sqm 1 34.44 3.50 Block 4 Sqm 1 75.54 6.674 Block 5 Sqm 1 75.54 6.674 Block 5 Sqm 1 75.54 6.674 Block 7 Sqm 1 21.40 3.30						0.0.		170.48
pressure 10 kg/sq.cm with pipe fittings, clips, making good the floor, including cost of all materials, labour charges, HOM and testing complete as per specifications. KSRB 18-19,Pg No.77,SI No.11.56.2 do- with 110mm outer dia RCC Covered Drain Rmt Providing & Fixing CI Grating (325 x 325mm) for road gully cover including fixing the cover and CM 1:3 Plastering 20mm thick to all exposed faces curing for 90 days with all lead including cost of plastering but excluding cost of concrete etc,completete (As Per EOI) SWD Chamber Each KSRB 24-44 : Repairs to plaster in patches of 2.5 sqm and less in walls, ceilings 10 to 20mm thick in cement mortar 1:4 including cutting the patches in proper shape and replastering the surface of the wall including disposal of rubbish with a lead of 50m including curing cost of materials, labour, complete as per specifications. Specification N. KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133 Block 2 Outside wall Store & Toiled Outside wall - GF Sqm 1 34.72 3.45 Store & Toiled Outside wall - GF Sqm 1 34.44 3.50 Block 3 Sqm 1 32.92 4.28 Block 4 Sqm 1 75.54 6.74 Block 5 Sqm 1 75.54 6.63 Block 7 Sqm 1 21.40 Total								
RCC Covered Drain	18	pressure 10 kg/sq.cm with pipe fittings, clips, making good the floor, including cost of all materials, labour charges, HOM and testing complete as per specifications.						
Providing & Fixing CI Grating (325 x 325mm) for road gully cover including fixing the cover and CM 1:3 Plastering 20mm thick to all exposed faces curing for 90 days with all lead including cost of plastering but excluding cost of concrete etc,completete (As Per ECI) SWD Chamber Each KSRB 24-44: Repairs to plaster in patches of 2.5 sqm and less in walls, ceillings 10 to 20mm thick in cement mortar 1:4 including cutting the patches in proper shape and replastering the surface of the wall including disposal of rubbish with a lead of 50m including curing cost of materials, labour, complete as per specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133 Block 2 Outside wall Sqm 1 34.72 3.45 Store & Toilet Outside wall - GF Sqm 1 15.25 2.80 Computer Lab -FF Sqm 1 34.44 3.50 Block 3 Sqm 1 82.92 4.28 Block 4 Sqm 1 82.92 4.28 Block 5 Sqm 1 42.56 6.63 Block 7 Sqm 1 21.40 3.30		do- with 110mm outer dia						
Providing & Fixing CI Grating (325 x 325mm) for road gully cover including fixing the cover and CM 1:3 Plastering 20mm thick to all exposed faces curing for 90 days with all lead including cost of plastering but excluding cost of concrete etc,completete (As Per EOI) SWD Chamber Each KSRB 24-44 : Repairs to plaster in patches of 2.5 sqm and less in walls, ceilings 10 to 20mm thick in cement mortar 1:4 including cutting the patches in proper shape and replastering the surface of the wall including disposal of rubbish with a lead of 50m including curing cost of materials, labour, complete as per specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133 Block 2 Outside wall Sqm 1 34.72 3.45 Store & Toilet Outside wall - GF Sqm 1 15.25 2.80 Computer Lab -FF Sqm 1 34.44 3.50 Block 3 Sqm 1 82.92 4.28 Block 4 Sqm 1 75.54 6.74 Block 5 Sqm 1 42.56 6.63 Block 7 Sqm 1 21.40 3.30		RCC Covered Drain	Rmt	1.00	33.00			33.00
including fixing the cover and CM 1:3 Plastering 20mm thick to all exposed faces curing for 90 days with all lead including cost of plastering but excluding cost of concrete etc,completete (As Per EOI) SWD Chamber Each KSRB 24-44 : Repairs to plaster in patches of 2.5 sqm and less in walls, ceilings 10 to 20mm thick in cement mortar 1:4 including cutting the patches in proper shape and replastering the surface of the wall including disposal of rubbish with a lead of 50m including curing cost of materials, labour, complete as per specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133 Block 2 Outside wall Sqm 1 34.72 3.45 Store & Toilet Outside wall - GF Sqm 1 15.25 2.80 Computer Lab -FF Sqm 1 34.44 3.50 Block 3 Sqm 1 34.44 3.50 Block 4 Sqm 1 75.54 6.74 Block 5 Sqm 1 42.56 6.63 Block 7 Sqm 1 21.40 3.30								33.00
SWD Chamber	19	including fixing the cover and CM 1:3 Plastering 20mm thick to all exposed faces curing for 90 days with all lead including cost of						
Computer Lab -FF Sqm 1 34.72 3.45								
Computer Lab -FF Sqm 1 34.72 3.45		SWD Chamber		11.00				11.00
walls, ceilings 10 to 20mm thick in cement mortar 1:4 including cutting the patches in proper shape and replastering the surface of the wall including disposal of rubbish with a lead of 50m including curing cost of materials, labour, complete as per specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133 Block 2			Each					11.00
Outside wall Sqm 1 34.72 3.45 Store & Toilet Outside wall - GF Sqm 1 15.25 2.80 Computer Lab - FF Sqm 1 34.44 3.50 Block 3 Sqm 1 82.92 4.28 Block 4 Sqm 1 75.54 6.74 Block 5 Sqm 1 42.56 6.63 Block 7 Sqm 1 21.40 3.30 Sqm Total	20	walls, ceilings 10 to 20mm thick in cement mortar 1:4 including cutting the patches in proper shape and replastering the surface of the wall including disposal of rubbish with a lead of 50m including curing cost of materials, labour, complete as per specifications. Specification No.KBS 24.2.1						
Store & Toilet Outside wall - GF Sqm 1 15.25 2.80 Computer Lab -FF Sqm 1 34.44 3.50 Block 3 Sqm 1 82.92 4.28 Block 4 Sqm 1 75.54 6.74 Block 5 Sqm 1 42.56 6.63 Block 7 Sqm 1 21.40 3.30 Sqm Total Total Total Total								
Computer Lab -FF Sqm 1 34.44 3.50 Block 3 Sqm 1 82.92 4.28 Block 4 Sqm 1 75.54 6.74 Block 5 Sqm 1 42.56 6.63 Block 7 Sqm 1 21.40 3.30 Sqm Total Total								119.78
Block 3 Sqm 1 82.92 4.28 Block 4 Sqm 1 75.54 6.74 Block 5 Sqm 1 42.56 6.63 Block 7 Sqm 1 21.40 3.30 Sqm Total Total								42.70
Block 4 Sqm 1 75.54 6.74 Block 5 Sqm 1 42.56 6.63 Block 7 Sqm 1 21.40 3.30 Sqm Total Total								120.54 354.48
Block 5 Sqm 1 42.56 6.63 Block 7 Sqm 1 21.40 3.30 Sqm Total Total								509.14
Block 7 Sqm 1 21.40 3.30								281.96
Sqm Total								70.62
								1499.22
Total 70% Quantity Sqm Total		Total 70% Quantity	Sqm			Total		1049.45

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
21	Providing and fixing Special make glazed Vitrified tiles (Granomite finish) of approved make, quality and colour of size 600x600x10mm thick fixed on existing flooring with a special roffe adhesive for flooring and skirting etc., complete including providing spears at required interval and removing stains etc., complete. (P.No. 109, I.No. 14.43 of SR 2018-19).						
	Block 3						
	Office	Sqm	1	7.10 23.60	4.70	0.15	33.37 3.54
	Skirting Block 5	Sqm	I	23.00		0.15	3.34
	Staff	Sqm	1	7.46	5.20		38.79
	Skirting	Sqm	1	25.32		0.15	3.80
	Block 2 Class Room	Sqm	1	10.30	6.00		61.80
	Skirting	Sqm	1	32.60	0.00	0.15	4.89
	Corridor-GF	Sqm	1	10.53	1.40		14.74
	Skirting Corridor-FF	Sqm Sqm	1	10.53 10.86	1.40	0.15	1.58 15.20
	Skirting	Sqm	1	10.86	1.40	0.15	1.63
	Block 3						
	Class Room Skirting	Sqm	1	8.55 26.50	4.70	0.15	40.19 3.98
	Class Room	Sqm Sqm	1	7.73	4.70	0.15	36.33
	Skirting	Sqm	1	24.86		0.15	3.73
	Class room	Sqm	1	5.70 20.80	4.70	0.45	26.79
	Skirting Class Room	Sqm Sqm	1	7.20	4.70	0.15	3.12 33.84
	Skirting	Sqm	1	23.80	4.70	0.15	3.57
	Corridor	Sqm	1	36.30	1.85		67.16
	Skirting Block 4	Sqm	1	36.30		0.15	5.45
	Class Room	Sqm	1	4.95	6.45		31.93
	Skirting	Sqm	1	22.80		0.15	3.42
	Class Room	Sqm	1	8.70	6.45		56.12
	Skirting Class Room	Sqm Sqm	1	30.30 8.70	6.44	0.15	4.55 56.03
	Skirting	Sqm	1	30.28	0.44	0.15	4.54
	Corridor-GF	Sqm	1	31.00	1.80		55.80
	Skirting Corridor-FF	Sqm	1	31.00 31.00	1.00	0.15	4.65 55.80
	Skirting	Sqm Sqm	1	31.00	1.80	0.15	4.65
	Staircase Room	Sqm	1	2.20	6.70		14.74
	Block 5	0	4	45.05	4.00		00.47
	Corridor-GF Skirting	Sqm Sqm	1	15.65 15.65	1.80	0.15	28.17 2.35
	Corridor-FF	Sqm	1	8.10	1.80	0.10	14.58
	Skirting	Sqm	1	8.10			8.10
	Total Qty	Sqm			Total		748.93
22	Providing and laying of teak wooden polished flooring of 12mm thick, high density timber of approved colour and design with end trims, transition, profiles, beading, 15mm thick felt, and 20 micron polyester film with 4mm thick foam underlay etc., (P.No.113, I.No.14.70 of PWD SR 2018-19)						
-	Block 5 Principal Chamber	Sqm	1	7.50	5.20		39.00
	Skirting	Sqm	1	25.40	0.20	0.15	3.81
	Total Qty	Sqm			Total		42.81
23	KSRB 14.14-5: Providing Ceramic tiles of approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing, complete as per specifications for Ceramic Tiles of size 30x30cms 6mm thick. PWD 18-19,SI No.14.36.2,Pg No.107 and 108						
	Block 2						
	Store Room	Sqm	1	1.65	5.10		8.42
	Skirting	Sqm	1	13.50		0.15	2.03
	Toilet	Sqm	1	2.00	5.10	0.00	10.20
	Dadooing Ded	Sqm	1	14.20		2.00	28.40
				1	1	İ	1
	Door-D	Sqm	-1	1.00		2.00	-2.00
		Sqm Sqm Sqm	-1 -1 -2	1.00 1.20 0.15		2.00 1.35 0.25	-2.00 -1.62 -0.08

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	Skirting	Sqm	1	32.60		0.15	4.89
	Block 4						
	Kitchen	Sqm	1	4.95	6.44		31.88
	Skirting Hall	Sqm	1	22.78 4.95	6.44	0.15	3.42 31.85
	Skirting	Sqm Sqm	1	22.77	6.44	0.15	31.65
	Hall	Sqm	1	17.63	6.44	0.13	113.54
	Skirting	Sqm	1	48.14	-	0.15	7.22
	Store	Sqm	1	1.57	6.44		10.11
	Skirting	Sqm	1	16.02		0.15	2.40
	Block 5			7.00	5.00		00.50
	Lab Room Skirting	Sqm Sqm	1	7.60 25.60	5.20	0.15	39.52 3.84
	Block 7	Sqiii	!	23.00		0.13	3.04
	Toilet Room	Sqm	1	2.95	4.34	1	12.80
	Dadooing	Sqm	2	7.29		2.10	30.62
	Toilet Room	Sqm	1	2.26	4.34		9.81
	Dadooing	Sqm	2	6.60		2.10	27.72
	Ded	0		4.00		0.40	4.00
	Door-D Window-W1	Sqm Sqm	-2 -1	1.00 0.90		2.10 1.00	-4.20 -0.90
	Ventilator-V	Sqm	-2	0.60		0.60	-0.90
	Total Qty	Sqm	-2	0.00	Total	0.00	434.37
	1.000.007	<u> </u>			. ota.	1	10 1101
24	Providing and laying pattern flooring for staircase treads and risers using the combination of 20mm thick ruby red granite @ 66%,20 mm thick grey granite @ 20%, 20mm thick, 20mm thick black granite 14%. The granite materials are laid on existing bed of CM 1:3 20mm thick pointed with colour pigment, including full rounding for nosing, flaming the ruby red granite for 50 mm wide curing etc., complete as per specification. (P.No. 109, I.No. 14.46 of PWD SR 2018-19)						
	Block 2 Staircase GF-FF Tread	Cam	26	0.75	0.15		4.05
	Staircase GF-FF Tread Staircase GF-FF Riser	Sqm Sqm	36 38	0.75 0.75	0.15	0.15	4.05 4.28
	Landing	Sqm	1	1.55	1.00	0.13	1.55
	Ramp	Sqm	1	1.40	0.65		0.91
	Sitting	Sqm	6	1.65	0.23		2.28
	Block 4						
	Staircase GF-FF Tread	Sqm	28	1.05	0.25		7.35
	Staircase GF-FF Riser	Sqm	30	1.05 2.20	1.00	0.15	4.73 2.20
	Entry Step Tread	Sqm Sqm	6	1.80	1.00 0.30	 	3.24
	Entry Step Riser	Sqm	8	1.80	0.00	0.15	2.16
	Ramp	Sqm	1	1.50	1.80	9119	2.70
	Block 5	•					
	Staircase Tread	Sqm	22	0.78	0.25		4.29
	Staircase Riser	Sqm	23	0.78		0.15	2.69
	Entry Step Tread	Sqm	4	1.86	0.25	0.45	1.86
	Entry Step Riser Block 7	Sqm	6	1.86		0.15	1.67
	Entry Step Tread	Sqm	4	1.20	0.30		1.44
	Entry Step Riser	Sqm	6	1.20	0.00	0.15	1.08
	Total Qty	Sqm			Total		48.48
25	Repairing door and window frames with available wood to the required size. PWD 18-19,SI No.37.12,Pg No 267 Block 2						
	Door-D	Sqm	1	1.00		2.00	2.00
	Door-D2	Sqm	1	1.20		2.10	3.00
	Window-W	Sqm	2	1.20		1.35	3.00
	Window W2	Sqm	2	0.75		1.25	2.00
	Window-W3 Block 3	Sqm	4	1.50		1.25	8.00
	Door-D	Sqm	4	1.00		2.00	8.00
	Window-W	Sqm	6	0.90		1.20	6.00
	Window-W1	Sqm	12	0.90		1.36	15.00
	Block 4	-					
-	Door-D	Sqm	12	1.00		2.00	24.00
	Window-W	Sqm	13	0.90		1.20	14.00
	Window-W1	Sqm	4	0.60		0.90	2.00
	Block 5	0		4.05			2 2 2
	Door-D2	Sqm	1	1.05		2.10	2.00
	Window - W	Sqm Sqm	6 2	1.34 1.5	1	1.60 1.33	13.00 4.00
	I///Indow = ///1			. 1		1	4.00
	Window - W1 Window - W2	Sqm	2	1.50		1.30	4.00

Total 70% Quantity Repairing and Tixing patients (panelled or glazed) to doors, without and cupbounds.	Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
Total Tota								4.00 1.00
Repairing and fixing shutters (panelled or glazed) to doors, windows, ventilations and outpounds, windows, ventilations and outpounds, windows, ventilations and outpounds, windows ventilations and outpounds, windows ventilations and outpounds, windows ventilations and outpounds, windows ventilations and outpounds, windows ventilations and ventilations ventilations and ventilations ventilation					0.00	Total		115.00
28		Total 70% Quantity	Sqm			Total		80.50
Door-D2	26	windows, ventilators and cupboards. PWD 18-19,SI No.37.13,Pg No.267						
Door-D2			Sam	1	1.00		2.00	2.00
Window-W2								
Window-W3 Block 3 Sgm 4 1.50 1.25								3.00
Block 3								2.00
Door-10			Sqm	4	1.50		1.25	8.00
Window-W Sgm 6 0.90 1.20 Window-W Sgm 12 0.90 1.36 Block 4 Sgm 12 0.90 1.36 Block 4 Sgm 12 0.90 1.36 Sgm 12 0.90 1.36 Sgm 12 0.90 Sgm 13 0.90 1.20 Window-W Sgm 13 0.90 1.20 Window-W Sgm 13 0.90 1.20 Sgm 14 0.60 0.90 Sgm 14 0.60 0.90 Sgm 15 0.90 Sgm 1 0.95 S			Cam	4	1.00		2.00	8.00
Mindow-W1								6.00
Door-D								15.00
Window-W1			•					
Window-W1 Sign								24.00
Block 5								14.00
Door-D2			oqm	4	0.60		0.90	2.00
Window - WI			Sam	1	1.05		2.10	2.00
Window-W12 Sgm 2 1.50 1.33								13.00
Block 7			Sqm					4.00
Door-D			Sqm	2	1.50		1.30	4.00
Window-W1			Cam	2	1.00		2.10	4.00
Total 70% Quantity								4.00 1.00
KSRB 15-15.1: Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after throroughly brushing the surface, free from mortar drops and other foreign matter including programs and the provided provided by the surface, free from mortar drops and other foreign matter including programs and paper smooth, cost of materials, labour, complete as per specifications do- with primer PWD 18-19,SI No.15.51.2.Pg No.119 Block 2		VVIIIdow VV I	Oqiii	'	0.50		1.00	115.00
plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - do- with primer PWD 18-19,SI No.15.51.2,Pg No.119 Block 2		Total 70% Quantity	Sqm			Total		80.50
Class Room		an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - do- with primer PWD 18-19,SI No.15.51.2,Pg No.119						
Store Room								
Toilet								104.00 34.00
Computer Lab								36.00
Door-D								104.00
Door-D2								
Rolling Shutter								-2.00
Rolling Shutter-1								-3.00 -2.00
Window-W2								-5.00
Window-W3			Sqm	-2	1.20		1.35	-3.24
Sliding Window Sqm -2 1.60 1.25								-1.88
Ventilator-V Sqm -2 0.15 0.25 Ceiling Sqm 2 10.76 6.60 1 Block 3 Sqm 2 10.76 6.60 1 Office Sqm 2 11.80 3.00 Class Room Sqm 2 13.25 3.00 Class Room Sqm 2 10.40 3.00 Class Room Sqm 2 11.90 3.00 Ded Door-D Sqm 2 11.90 3.00 Window-W Sqm -6 0.90 1.20 Window-W1 Sqm -12 0.90 1.20 Rolling Shutter Sqm -1 1.15 2.60 Ceiling Sqm 1 36.00 6.99 2 Block 4 Sqm 2 11.40 3.00 Class Room Sqm 2 11.40 3.00 Class Room Sqm 2 15.14 3.00								-8.00 -4.00
Ceiling Sqm 2 10.76 6.60 1 Block 3 Office Sqm 2 11.80 3.00 Class Room Sqm 2 13.25 3.00 Class Room Sqm 2 12.43 3.00 Class Room Sqm 2 10.40 3.00 Class Room Sqm 2 11.90 3.00 Ded Door-D Sqm -4 1.00 2.00 Window-W Sqm -6 0.90 1.20 Window-W1 Sqm -12 0.90 1.36 Rolling Shutter Sqm -1 1.15 2.60 Celling Sqm 1 36.00 6.99 2 Block 4 Class Room Sqm 2 11.40 3.00 Class Room Sqm 2 15.15 3.00 Class Room Sqm 2 15.14 3.00 Kitchen								-0.08
Office Sqm 2 11.80 3.00 Class Room Sqm 2 13.25 3.00 Class Room Sqm 2 12.43 3.00 Class room Sqm 2 10.40 3.00 Class Room Sqm 2 11.90 3.00 Ded Sqm 2 11.90 3.00 Window-W Sqm -4 1.00 2.00 Window-W1 Sqm -6 0.90 1.20 Window-W1 Sqm -1 1.15 2.60 Rolling Shutter Sqm -1 1.15 2.60 Ceiling Sqm 1 36.00 6.99 2 Block 4 Sqm 2 11.40 3.00 Class Room Sqm 2 15.15 3.00 Class Room Sqm 2 15.14 3.00 Kitchen Sqm 2 11.39 3.00 Hall Sqm		Ceiling				6.60	3	142.03
Class Room Sqm 2 13.25 3.00 Class Room Sqm 2 12.43 3.00 Class room Sqm 2 10.40 3.00 Class Room Sqm 2 11.90 3.00 Ded Door-D Sqm -4 1.00 2.00 Window-W Sqm -6 0.90 1.20 Window-W1 Sqm -12 0.90 1.36 - Rolling Shutter Sqm -1 1.15 2.60 Ceiling Sqm 1 36.00 6.99 2 Block 4 Sqm 2 11.40 3.00 Class Room Sqm 2 15.15 3.00 Class Room Sqm 2 15.14 3.00 Kitchen Sqm 2 11.39 3.00 Hall Sqm 2 24.07 3.00 1 Store Sqm 2 8.01 3.00				-				
Class Room Sqm 2 12.43 3.00 Class room Sqm 2 10.40 3.00 Class Room Sqm 2 11.90 3.00 Ded Sqm -4 1.00 2.00 Window-W Sqm -6 0.90 1.20 Window-W1 Sqm -6 0.90 1.36 - Rolling Shutter Sqm -1 1.15 2.60 Ceiling Sqm 1 36.00 6.99 2 Block 4 Sqm 2 11.40 3.00 Class Room Sqm 2 15.15 3.00 Class Room Sqm 2 15.14 3.00 Kitchen Sqm 2 11.39 3.00 Hall Sqm 2 24.07 3.00 1 Store Sqm 2 8.01 3.00								70.80
Class room Sqm 2 10.40 3.00 Class Room Sqm 2 11.90 3.00 Ded								80.00 75.00
Class Room Sqm 2 11.90 3.00 Ded Sqm -4 1.00 2.00 Window-W Sqm -6 0.90 1.20 Window-W1 Sqm -12 0.90 1.36 - Rolling Shutter Sqm -1 1.15 2.60 Ceiling Sqm 1 36.00 6.99 2 Block 4 Sqm 1 1.40 3.00 Class Room Sqm 2 11.40 3.00 Class Room Sqm 2 15.15 3.00 Kitchen Sqm 2 11.39 3.00 Hall Sqm 2 11.39 3.00 Hall Sqm 2 24.07 3.00 Store Sqm 2 8.01 3.00								62.00
Ded Sqm -4 1.00 2.00 Window-W Sqm -6 0.90 1.20 Window-W1 Sqm -12 0.90 1.36 - Rolling Shutter Sqm -1 1.15 2.60 Ceiling Sqm 1 36.00 6.99 2 Block 4 Sqm 2 11.40 3.00		Class Room				<u> </u>		71.00
Window-W Sqm -6 0.90 1.20 Window-W1 Sqm -12 0.90 1.36 - Rolling Shutter Sqm -1 1.15 2.60 Ceiling Sqm 1 36.00 6.99 2 Block 4 Sqm 2 11.40 3.00<		Ded	•	-				
Window-W1 Sqm -12 0.90 1.36 - Rolling Shutter Sqm -1 1.15 2.60 Ceiling Sqm 1 36.00 6.99 2 Block 4 Sqm 2 11.40 3.0								-8.00
Rolling Shutter Sqm -1 1.15 2.60 Ceiling Sqm 1 36.00 6.99 2 Block 4 Sqm 2 11.40 3.00 Class Room Sqm 2 15.15 3.00 Class Room Sqm 2 15.14 3.00 Kitchen Sqm 2 11.39 3.00 Hall Sqm 2 11.39 3.00 Hall Sqm 2 24.07 3.00 1 Store Sqm 2 8.01 3.00								-6.00 -15.00
Ceiling Sqm 1 36.00 6.99 2 Block 4 Sqm 2 11.40 3.00 Class Room Sqm 2 15.15 3.00 Class Room Sqm 2 15.14 3.00 Kitchen Sqm 2 11.39 3.00 Hall Sqm 2 11.39 3.00 Hall Sqm 2 24.07 3.00 1 Store Sqm 2 8.01 3.00								-3.00
Block 4 Sqm 2 11.40 3.00 Class Room Sqm 2 15.15 3.00 Class Room Sqm 2 15.14 3.00 Kitchen Sqm 2 11.39 3.00 Hall Sqm 2 11.39 3.00 Hall Sqm 2 24.07 3.00 1 Store Sqm 2 8.01 3.00		Ceiling				6.99		252.00
Class Room Sqm 2 15.15 3.00 Class Room Sqm 2 15.14 3.00 Kitchen Sqm 2 11.39 3.00 Hall Sqm 2 11.39 3.00 Hall Sqm 2 24.07 3.00 1 Store Sqm 2 8.01 3.00		Block 4						
Class Room Sqm 2 15.14 3.00 Kitchen Sqm 2 11.39 3.00 Hall Sqm 2 11.39 3.00 Hall Sqm 2 24.07 3.00 1 Store Sqm 2 8.01 3.00								68.00
Kitchen Sqm 2 11.39 3.00 Hall Sqm 2 11.39 3.00 Hall Sqm 2 11.39 3.00 Store Sqm 2 24.07 3.00 1 Store Sqm 2 8.01 3.00								91.00
Hall Sqm 2 11.39 3.00 Hall Sqm 2 24.07 3.00 1 Store Sqm 2 8.01 3.00						+		91.00 68.00
Hall Sqm 2 24.07 3.00 1 Store Sqm 2 8.01 3.00								68.00
Store Sqm 2 8.01 3.00			Sqm					144.00
		Store	Sqm	2	8.01		3.00	48.00 107.00

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	Ded						
	Door-D	Sqm	-12	1.00		2.00	-24.00
	Window-W1	Sqm Sqm	-13 -3	0.90 0.60		1.20 0.90	-14.00 -2.00
	Rolling Shutter	Sqm	-1	2.20		2.60	-6.00
	Ceiling	- Oq				2.00	0.00
	GF	Sqm	1	195.00	Area		195.00
	Ded	Sqm	-1	6.67	2.20		-14.67
	FF	Sqm	1	195.00	Area		195.00
	Ded	Sqm	-1	6.67	2.20		-14.67
	Block 5	_					
	Staff Start Clauses	Sqm	2	12.66		3.00	75.96
	Principal Chamber	Sqm	2	12.70 12.80		3.00 3.00	76.20 76.80
	Lab Room Ded	Sqm		12.80		3.00	76.80
	Rolling Shutter	Sqm	-2	1.05		2.10	-4.41
	Door-D2	Sqm	-1	1.05		2.10	-2.00
	Window -W	Sqm	-6	1.34		1.60	-13.00
	Window -W1	Sqm	-2	1.50		1.33	-4.00
	Window -W2	Sqm	-4	1.50		1.30	-8.00
	Ceiling-GF	Sqm	1	15.65	5.65		88.00
	Ceiling-FF	Sqm	1	7.60	5.20		40.00
	Block 7						
	Toilet Room	Sqm	2	7.29		3.00	43.74
	Toilet Room	Sqm	2	6.60		3.00	39.60
	Ded			1			
	Door-D	Sqm	-2	1.00		2.10	-4.20
	Window-W1	Sqm	-1	0.90		1.00	-0.90
	Total Quantity	Sqm			Total		2373.08
28	KSRB 15-17.19: Providing and applying painting one coat (excluding priming coat) on previously painted wood surface and / or wood based surface with black japan paint to give an even shade after cleaning the surface of all dirt, dust and foreign matter, including cost of materials, labour, complete as per specifications. PWD 18-19,SI No.15.71,Pg No.123						
	Block 2						
	Door-D	Sqm	1	1.00 1.20		2.00 2.10	2.00
	Door-D2 Window-W	Sqm Sqm	2	1.20		1.35	2.52 3.24
	Window-W2	Sqm	2	0.75		1.35	1.88
	Window-W3	Sqm	4	1.50		1.25	7.50
	Block 3						
	Door-D	Sqm	4	1.00		2.00	8.00
	Window-W	Sqm	6	0.90		1.20	6.48
	Window-W1	Sqm	12	0.90		1.36	14.69
	Block 4						
	Door-D	Sqm	12	1.00		2.00	24.00
	Window-W	Sqm	13	0.90		1.20	14.04
	Window-W1	Sqm	3	0.60		0.90	1.62
	Block 5	_		4.05		0.40	
	Door-D2	Sqm	1	1.05		2.10	2.21
	Window -W Window -W1	Sqm Sqm	6 2	1.34 1.50		1.60 1.33	12.86 3.99
	Window -W2	Sqm	2	1.50		1.30	3.90
	Block 7	Sqiii		1.00		1.00	3.30
	Door-D	Sqm	2	1.00		2.10	4.20
	Window-W1	Sqm	1	0.90		1.00	0.90
	Total Qty	Sqm			Total		114.03
29	KSRB 15-17.19:Applying additional one coat (excluding priming coat) on previously painted wood surface and / or wood based surface with black japan paint to give an even shade after cleaning the surface of all dirt, dust and foreign matter, including						
	cost of materials, labour, complete as per specifications. PWD 18-19,SI No.15.72,Pg No.123						
29							
29	PWD 18-19,SI No.15.72,Pg No.123	Sqm	1	1.00		2.00	2.00
29	PWD 18-19,SI No.15.72,Pg No.123 Block 2	Sqm	1	1.20		2.00 2.10	
29	PWD 18-19,SI No.15.72,Pg No.123 Block 2 Door-D Door-D2 Window-W	Sqm Sqm	1 2	1.20 1.20		2.10 1.35	2.52 3.24
29	PWD 18-19,SI No.15.72,Pg No.123 Block 2 Door-D Door-D2 Window-W Window-W2	Sqm Sqm Sqm	1 2 2	1.20 1.20 0.75		2.10 1.35 1.25	2.52 3.24 1.88
29	PWD 18-19,SI No.15.72,Pg No.123 Block 2 Door-D Door-D2 Window-W Window-W2 Window-W3	Sqm Sqm	1 2	1.20 1.20		2.10 1.35	2.52 3.24 1.88
29	PWD 18-19,SI No.15.72,Pg No.123 Block 2 Door-D Door-D2 Window-W Window-W2 Window-W3 Block 3	Sqm Sqm Sqm Sqm	1 2 2 4	1.20 1.20 0.75 1.50		2.10 1.35 1.25 1.25	2.52 3.24 1.88 7.50
29	PWD 18-19,SI No.15.72,Pg No.123 Block 2 Door-D Door-D2 Window-W Window-W2 Window-W3 Block 3 Door-D	Sqm Sqm Sqm Sqm	1 2 2 4 4	1.20 1.20 0.75 1.50		2.10 1.35 1.25 1.25 2.00	2.52 3.24 1.88 7.50
29	PWD 18-19,SI No.15.72,Pg No.123 Block 2 Door-D Door-D2 Window-W Window-W2 Window-W3 Block 3	Sqm Sqm Sqm Sqm	1 2 2 4	1.20 1.20 0.75 1.50		2.10 1.35 1.25 1.25	2.00 2.52 3.24 1.88 7.50 8.00 6.48 14.69

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	Door-D	Sqm	12	1.00		2.00	24.00
	Window-W	Sqm	13	0.90		1.20	14.04
	Window-W1	Sqm	3	0.60		0.90	1.62
	Block 5 Door-D2	Cam	1	1.05		2.40	0.04
	Window -W	Sqm Sqm	6	1.05		2.10 1.60	2.21 12.86
	Window -W1	Sqm	2	1.50		1.33	3.99
	Window -W2	Sqm	2	1.50		1.30	3.90
	Block 7						
	Door-D	Sqm	2	1.00		2.10	4.20
	Window-W1	Sqm	1	0.90		1.00	0.90
		Sqm			Total		114.03
30	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification PWD 18-19,SI No.10.5.1,Pg No 69						
	Block 2	Sqm	1	34.72	0.40	0.45	15.62
	Rcc Slab- Computer Room Block 3	Sqm Sqm	1	10.96 82.92	8.10	0.45	88.78 37.31
	Rcc Slab	Sqm	1	36.83	7.10	0.40	261.49
	Block 4	Sqm	1	75.54	7110	0.45	33.99
	RCC slab	Sqm	1	31.33	9.00		281.97
	Block 5	Sqm	1	42.56		0.45	19.15
	Rcc Slab	Sqm	1	8.00	8.00		64.00
	Rcc Slab	Sqm	1	9.00	7.50	0.45	67.50
	Block 7	Sqm Sqm	1	21.40	5.00	0.45	9.63
	RCC Slab	Sqm	1	6.36	5.26 Total		33.45 912.89
31	Providing and fixing Vitrified glazed tiles of approved make, quality & colour of size 900 x 900 x 12mm thick fixed on bed of 12mm thick cement mortar for flooring, skirting and JOinted with neat cement slurry mixed with pigment to mach shade of tiles, including providing spacers at required interval and removing stains, including cost of all mateirals, mortar, labour, etc., Complete as per specification. (KPWD 18-19,SI.No.14.45.1)						
	Front side Building	Sqm	1.00	120.00	2.75		330.00
	Back side Building	Sqm	1.00	95.00	3.47		330.00
	Total Qty	Sqm					660.00
32	KSRRB M300- Planting and Maintaining of Flowering Plants and Shrubs KSRRB M300- 8.1. Planting and Maintaining of Flowering Plants and Shrubs - A) Planting flowring plants and shrubs in central verge MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149						
	Total Area	Rmt	1.00	130.00			130.00
	Total Qty	Rmt			Total		130.00
33	KSRRB M300-Turfing lawns with fine grassing including ploughing, dressing KSRRB M300-5. Turfing lawns with fine grassing including ploughing, dressing including breaking of clods, removal of rubbish, dressing and supplying doobs grass roots at 10 cm apart, including supplying and spreading of farm yard manure at rate of 0.6 cum per 100 sqm complete as per specifications. MORTH Specification No. 307						
	PWD SOR 18-19,SI No.19.82,Pg No149						
	PWD SOR 18-19,SI No.19.82,Pg No149	0	4.00	047.00	Α		21
	·	Sqm Sqm	1.00	617.00	Area Total		617.00 617.00

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
34	KSRRB M300- Maintenance of lawns with fine grassing for the first year KSRRB M300-6. Maintenance of lawns with fine grassing for the first year including watering etc complete as per specifications. MORTH Specification No. 307. PWD SOR 18-19,SI No.19.83,Pg No149						
	Center of Running Track area	Sqm	1.00	617.00	Area		617.00
		Sqm			Total		617.00
35	Providing and laying artline grass pavers or equivqlent block making machine with strong vibratory compaction,of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge. (Non SOR)						
	Surround Running Track	Sqm	1.00	105.00	2.35		247.00
	Right side of the Building	Sqm	1.00	66.00	1.00		66.00
	Left side of the Building	Sqm	1.00	102.00	1.00		102.00
	Front side of the Building	Sqm Sqm	1.00	34.00	1.00 Total		34.00 449.00
36	KSRB 2.9 : Spreading and forming the excavated earth to required level, slope for an average thickness of 75mm. in all classes of soils including breaking clods and tamping manually alround the building and low laying areas complete as per specifications.specification. No. KBS : (KSRB 18-19,Pg No.7,SI No.2.16)						
	Total Qty	Sqm	1.00	617.00	Area		617.00
	Total Qty	Sqm			Total		617.00
37	contol joints in floor to 10mm wide x 10mm deep as shear key, include surface preparation by mechanical means using Grinding machines with frequency control drive and planetry drive, equipped with a vaccum pipe for dust collection. where operating width should not be more than 400mm, power 5HP 3phase, voltage 220V/415V, Motor speed should be 700 RPM-900 RPM followed by Hand grinding machine for non approachable areas as directed in BS 8203: Code of practice for installation of resilient floor coverings,BS 8204 Parts 1, 3, 6 and 7 and FERFA followed by as required all in complete as per manufacturers and EIC. Work need to be done by flooring specialist only recommended by Flowcrete only.						
	Clean the surface thoroughly, fix the shear anchor with designed gap of construction and control joint.						
	3. Supplying and Installing Versaspeed / Thin top Supreme/ Eucocrete of FLOWCRETE (USA) versatile, single-component, rapid-setting mortar for horizontal, and form and pour repair projects. Requiring only the addition of water and 25% -40% pea aggregates, where the compressive strength should be 58.6Mpa as per ASTM C 109, Flexural strength as per ASTM C 348 should be 6.2Mpa in 1 day, Linear shrinkage as per ASTM C157 should be -0.083%, chloride permeability should be 900 coulombs as per ASTM C 1202 along with along with TUF-STRAND SF "structural fibers" of FLOWCRETE are a patented polypropylene / polyethylene synthetic macro-fiber successfully used to replace steel fibers, welded wire mesh and conventional reinforcing bars in a wide variety of applications. TUF- STRAND SF fibers comply with ASTM C1116, Standard Specification for Fiber Reinforced Concrete and Shotcrete, and are specifically designed to provide equivalent tensile and bending resistance to conventional reinforcement requirements. Concrete reinforced with TUF- STRAND SF will have three-dimensional reinforcing with enhanced flexural toughness, impact and abrasion resistance and will also help mitigate the formation of plastic shrinkage cracking in concrete. Dosage rates will vary depending upon the reinforcing requirements and can range from 1.8 kg/m³ to 12 kg/m³. TUF- STRAND SF synthetic macro-fibers comply with applicable portions of the International Code Council (ICC)						

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	Acceptance Criteria AC32 for synthetic fibers, are UL certified for composite metal deck construction and are recognized within ACI 360 and SDI/ANSI-C1.0 as a reinforcing alternate to WWF. Mixing and applying repair Mortar as per the manufacturer's recommendations within the open time of the bonding agents. Finish to level of surrounding concrete surface utilizing techniques recommended and finished with bull floater top of by manufacturer or as per the site Engineer. THICKNESS- 30MM						
	Bunning Trook Cround	Sqm	1.00	101.00	2.00		202.00
	Running Track Ground Total Qty	Sqm	1.00	101.00	Total		202.00
	CUTTING OFJOINTS	Sqiii			Iotai		202.00
38	Cutting 10mmX10mm joint where the joint a/b should not be more than 1.02, (As per TR34). followed by Providing and filling Decksheild putty/ EUCO700 all in complete as per manufacturer direction or EIC.	Rmt	4.00	101.00			404.00
	Total Qty	Rmt			Total		404.00
	PARCKING COATING- DECKSHEILD SYSTEM- FLOWCRETE						
39	To supply and apply Green Label certified Decksheild system, low VOC as per ISO11890-2 resulted in Very Low <20g/L, solvent free, flexible polyurethane park deck coating system providing a colourful watertight, hard- wearing surface for intermediate decks of multi-storey, basement and other trafficable suspended floors consisting of 3 component, solvent free, Polyurethane based primer/body coat/binding agent having solid content of approximately 100% which accepts silica aggregate scatter to produce an anti skid surface as well as 2 component, coloured, flexible polurethane coating having 100% solid contents to seal the aggregate layer where UV light staibility is not critical having chemical resistance property to Petrol, Diesel, Antifreeze, Hydraulic Fluids, Chlorides & Battery Acids etc. Technical profile having Fire resistance -BS476-3 Designated EXT.F.AA, Slip Resistance as per TRRL Pendulum Slip Test resulted in Dry>40. Wet>40 (Low Slip Potential), Abrasion Resiatance as per Taber Abrader resulted in 0.1 mg loss per 1000 cycles (1Kg Load using CS17 wheels). For exposed area UV stable 2 component Polyurethane based top coat having abrasion resistance as per Taber Abrader: 0.1g loss per 1000 cycles, 100% UV Light stable & prevents from yellowing effect, followed by as required all in complete as per manufacturers and EIC	Sqm	1.00	101.00	2.00		202.00
	Total Qty	Sqm			Total		202.00
40	KSRB13-1.1 : Providing and fixing to wall, ceiling and floor galvanised I mild steel tube nominal bore with fittings (medium grade weight 1.27 kglmtr) B class including cost of all materials, labour charges, HOM and testing complete as per specifications. Specification No.KBS 13.2.14 I 13.8 do- 40 mm dia (KSRB 18-19,Pg No.92,SI No.13.5)						
	Cricket Ground	Rmt	13.00	3.50			45.50
		Rmt	7.00	3.00			21.00
	Total Qty	Rmt			Total		67.00

Executive Engineer MSCL Mangaluru

MANGALURU SMART CITY 1.4 Rate Analysis of E-SMART SCHOOL

RATE ANALYSIS - LP & HS Urdu Bunder

	PWD 18-19,Page No 138,SI No.18.10)			
	Basic rate		25755	
	Sub Total		25755 25755	i e
	Add 10% For area weightage		2575.50	
	Total	Rate	28330.50	
	Total	Nate	20330.30	li ia
	KSRB 24-9 : Cleaning and washing of stone	•	acid including o	cost of materia
2	labour, complete as per specifications. Speci (Page No 130,Sl No : 16.4)	fication No.KBS 18-19,		
	Basic rate		5.00	
	Sub Total		5.00	
	Add 10% For area weightage		0.50	
	Total	Rate		Sqm
		11010		104
3	3.5N/mm2 for saturated dry samples.For sup (KPWD 18-19,Page No 384,SI No : 42.5.3)	er structure in CM 1:6 (Cemer	nt 45 kgs/M3)	
	Docio voto			
	Basic rate		3391	
	Sub Total		3391 3391	
	Sub Total Add 10% For area weightage		3391 339.10	
	Sub Total Add 10% For area weightage Total	Rate	3391 339.10 3730.10	Cum
4	Sub Total Add 10% For area weightage	plaster in single coat with cemo	339.10 3730.10 ent mortar 1:4, toth rendering, : I	o stone maso Providing and
4	Sub Total Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cement and concrete surface including rounding off cremoving scaffolding, including cost of material PWD 18-19,SI No.15.19,Pg No 116	plaster in single coat with cemo	3391 339.10 3730.10 ent mortar 1:4, toth rendering, : Is per specification	o stone masc Providing and ons.
4	Sub Total Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cement and concrete surface including rounding off cremoving scaffolding, including cost of material	plaster in single coat with cemo	339.10 3730.10 ent mortar 1:4, toth rendering, : I	o stone masc Providing and ons.
4	Sub Total Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cement and concrete surface including rounding off cremoving scaffolding, including cost of material PWD 18-19,SI No.15.19,Pg No 116 Basic rate	plaster in single coat with cemo	3391 339.10 3730.10 ent mortar 1:4, toth rendering, : Is per specification	o stone masc Providing and ens.
4	Sub Total Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cement and concrete surface including rounding off cremoving scaffolding, including cost of materic PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total	plaster in single coat with cemo	3391 339.10 3730.10 ent mortar 1:4, toth rendering, : Is per specification	o stone masc Providing and ons.
4	Sub Total Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cement and concrete surface including rounding off cremoving scaffolding, including cost of materic PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total	plaster in single coat with cemorners wherever required smootals, labour, curing complete as	3391 339.10 3730.10 ent mortar 1:4, toth rendering, : Is per specification 273 273 27.30 300.30	o stone masc Providing and ons.
4	Sub Total Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cement and concrete surface including rounding off cremoving scaffolding, including cost of materic PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage	plaster in single coat with cemorners wherever required smoot als, labour, curing complete as Rate Rate nal walls in two coats with wate throughly brooming the surface	3391 339.10 3730.10 ent mortar 1:4, toth rendering, : Is per specification 273 273 27.30 300.30 erproof cement per to remove all common specific and common specific are to remove all common specific are to r	o stone maso Providing and ons. Sqm eaint of approviding and loose
	Sub Total Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cement and concrete surface including rounding off or removing scaffolding, including cost of materic PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1 : Providing and finishing extensional and shade to give an even shade after powdered material, free from mortar drops are per specifications. - do - with Primer	plaster in single coat with cemorners wherever required smoot als, labour, curing complete as Rate Rate nal walls in two coats with wate throughly brooming the surface	3391 339.10 3730.10 ent mortar 1:4, toth rendering, : Is per specification 273 273 27.30 300.30 erproof cement per to remove all common specific and common specific are to remove all common specific are to r	o stone maso Providing and ons. Sqm Paint of approviding and loose of the complete as
	Sub Total Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cement and concrete surface including rounding off cremoving scaffolding, including cost of materic PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1 : Providing and finishing extender brand and shade to give an even shade after powdered material, free from mortar drops are per specifications. - do - with Primer PWD 18-19,SI No.15.53.2,Pg No 120	plaster in single coat with cemorners wherever required smoot als, labour, curing complete as Rate Rate nal walls in two coats with wate throughly brooming the surface	3391 339.10 3730.10 ent mortar 1:4, toth rendering, : Is per specification 273 27.30 300.30 erproof cement per to remove all commaterials, labour	cum o stone masc Providing and ons. Sqm Paint of approvedint and loose or, complete as
	Sub Total Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cement and concrete surface including rounding off cremoving scaffolding, including cost of materic PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1 : Providing and finishing extended brand and shade to give an even shade after powdered material, free from mortar drops are per specifications. - do - with Primer PWD 18-19,SI No.15.53.2,Pg No 120 Basic Rate	plaster in single coat with cemorners wherever required smoot als, labour, curing complete as Rate Rate nal walls in two coats with wate throughly brooming the surface	3391 339.10 3730.10 3730.10 ent mortar 1:4, toth rendering, : Is per specification 273 273 27.30 300.30 erproof cement per to remove all comaterials, labour	cum o stone masc Providing and ons. Sqm Paint of approvidint and loose or, complete as

	Providing external walls with texture finish using approve	ed brand paint an	nlied uniformly in	three coats
	over one coat of primer including cost of all materials, ma		•	
6	unloading, all lead and lift and all other incidental charges		•	•
U	complete as per specifications.	o morading occinon	anig and romovin	g otanio,
	(KPWD 18-19,SI No.15.103)			
	Basic Rate		340.00	1
	Sub Total			
			340	
	Add 10% For Area weightage Total	Rate	34.00 374.00	
	Total	Nate	374.00	Joquii
	KSRRB MS00-10 Painting new letter and figures of any	shade with synthe	atic enamel paint	black or any
	other approved colour to give an even shade complete a	_	•	
7	Hyphen and the like not to be measured and paid for"	o per opcomodion	o. (II) Englion al	ia ittorriari
,	MORTH Specification No.801			
	(KSRRB 18-19,SI No.24.10)			
			0.70	1
	Basic Rate		0.70	
	Sub Total		0.7	
	Add 10% For Area weightage Total	Rate	0.07 0.77	
	Total	Rate	0.77	Cm
	Cleaning BCC gump tanks and BCC gyerhood tanks with	machanical day	otorina includina	romoval of
	Cleaning RCC sump tanks and RCC overhead tanks with		•	
	sludge, mud, dirt, algea etc and cleaning the wall surface and spraying anti bacterial treatment to the wall and cei			•
	of sludge etc, using suitable coconut broomstick, squee			
8	plastic buckets, mugs, dewatering using motor with porta	•		
	all safety measures.	arangement, n	ose pipe etc., coi	implete including
	(KPWD 18-19,SI No.10.7)			
	(KI WD 10-19,31No.10.1)			
	Basic Rate		0.35	
	Sub Total		0.35	
	Add 10% For Area weightage		0.04	
	Total	Rate	0.39	L
	KSRB 15-18.3: Providing and applying enamel metal pa	nt one coat (exclu	iding priming coa	t) on previously
0	painted steel or other metal surface brushing to give an e	ven shade after c	leaning oil, greas	e, dirt and other
9	foreign matter, including cost of materials, labour, comple	ete as per specific	ations.	
	PWD 18-19,SI No.15.75,Pg No 123			
	Basic Rate		61.00	
	Sub Total	+	61	
	Add 10% For Area weightage		6.10	
	Total	Rate		Sqm
	1.5	····	37.10	1-4
	KSRB 2-2.1 : Earthwork excavation for foundation of buil	dings water supp	ly sanitary lines	and electrical
	conduits either in pits or in trenches 1.5m and above in w	•	•	
	including dressing the bottom and sides of pits and trenc			•
10	of excavation with lead upto 50 m. after breaking of clods	_		•
	KBS 2.1(a) / 2.3.5	odnipicto do por	opcomodiono. op	comoation: 140.
	PWD 18-19,SI No.2.3,Pg No 6			
	•	1	000.00	Ī
	Basic Rate		299.00	
	Sub Total		299	
	add 10% For Area weightage	D-4	29.90	
	Total	Rate	328.90	Cum
		I	I	i

11	KSRB 4-1.6; Providing and laying in position plain 20mm and down size graded granite metal coarse 0.53cum, machine mixed, concrete laid in layers not foundation, plinth and cills, including cost of all material specifications. Specification No. KBS 4.1, 4.2 PWD 18-19,SI No.4.6,Pg No 13	aggregates @ 0.878 cur ot exceeding 15 ems. thic	m and fine aggregte ck, well compacted,	es @
	Basic Rate		5900.00	
	Sub Total		5900	
	add 10% For Area weightage		590.00	
	Total	Rate	6490.00 Cu	um
12	Providing and laying in position reinforced cement 340kgs, with 20mm and down size graded granite @ 0.47cum, with super plasticisers @ 3 liters confinited, concrete laid in layers not exceeding 15 cm pedestrals, retaining walls, returnwalls, walls (any transposts, struts, buttresses, bed blocks, anchor blocks of machinery, curing, complete but excluding cost of PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total add 10% For Area weightage	metal coarse aggregates orming to IS 9103-1999 reals thick, vibrated for all wothickness) including attacts & plinths etc including c	@0.70 cum and fir eafirmed-2008 at morks in foundation for hed pilasters, coluntost of all materials, pecifications. 6198.00 6198 619.80	ne aggregates nachine or footings, nnspillars, labour, HOM
13	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requimembers wherever necessary complete as per decost of materials, labour, HOM of machinery comp directinon of Engineer-in-Charge. FE 500	ired, tying with binding wir sign (laps and wastage sh	re and anchoring to nall not be measure	oking, placing the adjoining ed and paid)
13	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requimembers wherever necessary complete as per decost of materials, labour, HOM of machinery compdirectinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18	including straightening, c ired, tying with binding wir sign (laps and wastage sh	utting, bending, hore re and anchoring to hall not be measure as per specification	oking, placing the adjoining ed and paid)
13	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requimembers wherever necessary complete as per decost of materials, labour, HOM of machinery comp directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate	including straightening, c ired, tying with binding wir sign (laps and wastage sh	eutting, bending, hore and anchoring to hall not be measure as per specification	oking, placing the adjoining ed and paid)
13	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requimembers wherever necessary complete as per decost of materials, labour, HOM of machinery comp directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total	including straightening, c ired, tying with binding wir sign (laps and wastage sh	rutting, bending, hore and anchoring to hall not be measure as per specification 70782.00	oking, placing the adjoining ed and paid)
13	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requimembers wherever necessary complete as per decost of materials, labour, HOM of machinery comp directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage	including straightening, c ired, tying with binding wir sign (laps and wastage sh lete with all lead lifts and	rutting, bending, hore and anchoring to hall not be measure as per specification 70782.00 70782 7078.20	oking, placing the adjoining ed and paid) ns and
13	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requimembers wherever necessary complete as per decost of materials, labour, HOM of machinery comp directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total	including straightening, c ired, tying with binding wir sign (laps and wastage sh	rutting, bending, hore and anchoring to hall not be measure as per specification 70782.00	oking, placing the adjoining ed and paid) ns and
13	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requimembers wherever necessary complete as per decost of materials, labour, HOM of machinery comp directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage	including straightening, c ired, tying with binding wir sign (laps and wastage shelete with all lead lifts and shelete with all lead lifts and Rate	rutting, bending, hore and anchoring to hall not be measure as per specification 70782.00 70782 7078.20 77860.20 Miles	oking, placing the adjoining ed and paid) ns and T
	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requimembers wherever necessary complete as per decost of materials, labour, HOM of machinery compidirectinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing, centering, shuttering, strutted foundations, footings, bases of columns for mass of as per specifications PWD 18-19,SI No.4.28,Pg No 16 Basic Rate Sub Total add 10% For Area weightage	including straightening, c ired, tying with binding wir sign (laps and wastage shelete with all lead lifts and shelete with all lead lifts and Rate	re and anchoring to hall not be measure as per specification 70782.00 70782 7078.20 77860.20 Milemoval of form work all materials, labout 263.00	oking, placing the adjoining ed and paid) ns and T
	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requimembers wherever necessary complete as per decost of materials, labour, HOM of machinery compidirectinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing, centering, shuttering, strutted foundations, footings, bases of columns for mass of as per specifications PWD 18-19,SI No.4.28,Pg No 16 Basic Rate Sub Total	including straightening, c ired, tying with binding wir sign (laps and wastage shelete with all lead lifts and shelete with all lead lifts and Rate	re and anchoring to hall not be measured as per specification 70782.00 70782 7078.20 77860.20 Million all materials, labout 263.00 263	oking, placing the adjoining ed and paid) ns and T k for ur complete
	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requiremembers wherever necessary complete as per decost of materials, labour, HOM of machinery complete directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing,centering, shuttering, strutted foundations, footings, bases of columns for mass of as per specifications PWD 18-19,SI No.4.28,Pg No 16 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing centering, shuttering, strutted surface such as walls at any thickness, including a cost of all materials, labour complete as per specifications pwD 18-19,SI No.4.31,Pg No 16	including straightening, coired, tying with binding wiresign (laps and wastage shalete with all lead lifts and shalete with al	re and anchoring to hall not be measure as per specification 70782.00 70782 7078.20 77860.20 Mile and affective as per specification 70782 7078.20 707	oking, placing the adjoining ed and paid) as and T k for the complete com
14	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requimembers wherever necessary complete as per decost of materials, labour, HOM of machinery compidirectinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing,centering, shuttering, strut foundations, footings, bases of columns for mass of as per specifications PWD 18-19,SI No.4.28,Pg No 16 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing centering, shuttering, strut surface such as walls at any thickness, including a cost of all materials, labour complete as per specific PWD 18-19,SI No.4.31,Pg No 16 Basic Rate	including straightening, coired, tying with binding wiresign (laps and wastage shalete with all lead lifts and shalete with al	re and anchoring to hall not be measure as per specification 70782.00 70782 7078.20 77860.20 Mile and of form work all materials, labout 263.00 263 26.30 289.30 Screen was plinth cills and sees plin	oking, placing the adjoining ed and paid) as and T k for the complete com
14	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requimembers wherever necessary complete as per decost of materials, labour, HOM of machinery compidirectinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing,centering, shuttering, strut foundations, footings, bases of columns for mass of as per specifications PWD 18-19,SI No.4.28,Pg No 16 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing centering, shuttering, strut surface such as walls at any thickness, including a cost of all materials, labour complete as per specifications PWD 18-19,SI No.4.31,Pg No 16 Basic Rate Sub Total	including straightening, coired, tying with binding wiresign (laps and wastage shalete with all lead lifts and shalete with al	re and anchoring to hall not be measure as per specification 70782.00 70782 7078.20 77860.20 Mile and of form work all materials, labout 263.00 263 26.30 289.30 Screen was plinth cills and of sees	oking, placing the adjoining ed and paid) as and T k for the complete com
14	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requimembers wherever necessary complete as per decost of materials, labour, HOM of machinery compidirectinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing,centering, shuttering, strut foundations, footings, bases of columns for mass of as per specifications PWD 18-19,SI No.4.28,Pg No 16 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing centering, shuttering, strut surface such as walls at any thickness, including a cost of all materials, labour complete as per specific PWD 18-19,SI No.4.31,Pg No 16 Basic Rate	including straightening, coired, tying with binding wiresign (laps and wastage shalete with all lead lifts and shalete with al	re and anchoring to hall not be measure as per specification 70782.00 70782 7078.20 77860.20 Mile and of form work all materials, labout 263.00 263 26.30 289.30 Screen was plinth cills and sees plin	oking, placing the adjoining ed and paid) as and T k for the complete com

	KSRRB M2200 - Providing Weep holes Providing		
	concrete abutment, wing wall / return wall with		
16	structure with slope of 1V:20H towards drawing	force complete as per drawi	ng and Technical specification
	complete as per specifications.		
	PWD 18-19,SI No.28.10,Pg No 229		
	Basic Rate		147.00
	Sub Total		147
	add 10% For Area weightage		14.70
	Total	Rate	161.70 Nos
	KSRB 2-4: Refilling available earth around pipe	lines, cables in layers not e	xceeding 20cms in depth,
17	compacting each deposited layer by ramming af	ter watering with lead upto 5	50m. and lift upto 1.5 m.
17	including cost of all labour complete as per spec	cifications.	
	PWD 18-19,SI No.2.11,Pg No 7		
	Basic Rate		120.00
	Sub Total		120
	add 10% For Area weightage		12.00
	Total	Rate	132.00 Cum
18	specifications. KSRB 18-19,Pg No.77,SI No.11.56.2 do- with 110mm outer dia		
	Basic Rate		606.00
	Sub Total		606
	Jour Total		606
	Add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for		60.60 Rmt fixing the cover and CM 1:3
19	Add 10% For Area weightage Total	r road gully cover including f	60.60 Rmt fixing the cover and CM 1:3
19	Add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces curir excluding cost of concrete etc,completete (As Per EOI)	r road gully cover including f	60.60 Rmt fixing the cover and CM 1:3 ncluding cost of plastering but
19	Add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces curir excluding cost of concrete etc,completete (As Per EOI) Basic Rate	r road gully cover including f	60.60 666.60 Rmt fixing the cover and CM 1:3 nocluding cost of plastering but
19	Add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces curin excluding cost of concrete etc,completete (As Per EOI) Basic Rate Sub Total	r road gully cover including fing for 90 days with all lead in	60.60 666.60 Rmt Fixing the cover and CM 1:3 ncluding cost of plastering but 893.00 893
19	Add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces curir excluding cost of concrete etc,completete (As Per EOI) Basic Rate	r road gully cover including f	60.60 666.60 Rmt fixing the cover and CM 1:3 nocluding cost of plastering but
19	Add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces curin excluding cost of concrete etc,completete (As Per EOI) Basic Rate Sub Total	r road gully cover including fing for 90 days with all lead in Rate S sqm and less in walls, cein proper shape and replast	60.60 666.60 Rmt Fixing the cover and CM 1:3 including cost of plastering but 893.00 893 893.00 Each Filings 10 to 20mm thick in tering the surface of the wall
	Add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces curin excluding cost of concrete etc,completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44: Repairs to plaster in patches of 2 cement mortar 1:4 including cutting the patches including disposal of rubbish with a lead of 50m specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133 Basic Rate	r road gully cover including fing for 90 days with all lead in Rate S sqm and less in walls, cein proper shape and replast	60.60 666.60 Rmt Fixing the cover and CM 1:3 including cost of plastering but 893.00 893 893.00 Each Filings 10 to 20mm thick in tering the surface of the wall
	Add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces curin excluding cost of concrete etc,completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44: Repairs to plaster in patches of 2 cement mortar 1:4 including cutting the patches including disposal of rubbish with a lead of 50m specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133	r road gully cover including fing for 90 days with all lead in Rate S sqm and less in walls, cein proper shape and replast	60.60 666.60 Rmt Eximing the cover and CM 1:3 including cost of plastering but 893.00 893 893.00 Each Elings 10 to 20mm thick in tering the surface of the wall erials, labour, complete as per 277 277
	Add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces curin excluding cost of concrete etc, completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44: Repairs to plaster in patches of 2 cement mortar 1:4 including cutting the patches including disposal of rubbish with a lead of 50m specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133 Basic Rate Sub Total Add 10% For Area weightage	r road gully cover including fing for 90 days with all lead in Rate S sqm and less in walls, cein proper shape and replast including curing cost of mate	60.60 666.60 Rmt fixing the cover and CM 1:3 including cost of plastering but 893.00 893 893.00 Each llings 10 to 20mm thick in tering the surface of the wall erials, labour, complete as per 277 277
	Add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces curin excluding cost of concrete etc, completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44: Repairs to plaster in patches of 2 cement mortar 1:4 including cutting the patches including disposal of rubbish with a lead of 50m specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133 Basic Rate Sub Total	r road gully cover including fing for 90 days with all lead in Rate S sqm and less in walls, cein proper shape and replast	60.60 666.60 Rmt Eximing the cover and CM 1:3 including cost of plastering but 893.00 893 893.00 Each Elings 10 to 20mm thick in tering the surface of the wall erials, labour, complete as per 277 277
	Add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces curin excluding cost of concrete etc, completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44: Repairs to plaster in patches of 2 cement mortar 1:4 including cutting the patches including disposal of rubbish with a lead of 50m specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133 Basic Rate Sub Total Add 10% For Area weightage	r road gully cover including fing for 90 days with all lead in Rate S sqm and less in walls, cein proper shape and replast including curing cost of mate	60.60 666.60 Rmt fixing the cover and CM 1:3 including cost of plastering but 893.00 893 893.00 Each llings 10 to 20mm thick in tering the surface of the wall erials, labour, complete as per 277 277
	Add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces curin excluding cost of concrete etc, completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44: Repairs to plaster in patches of 2 cement mortar 1:4 including cutting the patches including disposal of rubbish with a lead of 50m specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133 Basic Rate Sub Total Add 10% For Area weightage	r road gully cover including fing for 90 days with all lead in Rate S sqm and less in walls, cein proper shape and replact including curing cost of mate Rate Rate	60.60 666.60 Rmt fixing the cover and CM 1:3 nocluding cost of plastering but 893.00 893 893.00 Each Ilings 10 to 20mm thick in tering the surface of the wall erials, labour, complete as per 277 277 277 27.70 304.70 Sqm
20	Total Providing & Fixing CI Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces curing excluding cost of concrete etc, completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44: Repairs to plaster in patches of 2 cement mortar 1:4 including cutting the patches including disposal of rubbish with a lead of 50m specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133 Basic Rate Sub Total Add 10% For Area weightage Total Providing and fixing Special make glazed Vitrified colour of size 600x600x10mm thick fixed on exist skirting etc., complete including providing spears	r road gully cover including fing for 90 days with all lead in Rate S sqm and less in walls, cein proper shape and replact including curing cost of mate Rate Rate	60.60 666.60 Rmt fixing the cover and CM 1:3 nocluding cost of plastering but 893.00 893 893.00 Each Ilings 10 to 20mm thick in tering the surface of the wall erials, labour, complete as per 277 277 277 27.70 304.70 Sqm
20	Total Providing & Fixing CI Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces curin excluding cost of concrete etc,completete (As Per EOI) Basic Rate Sub Total KSRB 24-44: Repairs to plaster in patches of 2. cement mortar 1:4 including cutting the patches including disposal of rubbish with a lead of 50m specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133 Basic Rate Sub Total Add 10% For Area weightage Total Providing and fixing Special make glazed Vitrified colour of size 600x600x10mm thick fixed on exist skirting etc., complete including providing spears (P.No. 109, I.No. 14.43 of SR 2018-19).	r road gully cover including fing for 90 days with all lead in Rate S sqm and less in walls, cein proper shape and replact including curing cost of mate Rate Rate	60.60 666.60 Rmt fixing the cover and CM 1:3 including cost of plastering but 893.00 893 893.00 Each flings 10 to 20mm thick in tering the surface of the wall terials, labour, complete as per 277 277 27.70 304.70 Sqm
20	Total Providing & Fixing CI Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces curin excluding cost of concrete etc, completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44: Repairs to plaster in patches of 2. cement mortar 1:4 including cutting the patches including disposal of rubbish with a lead of 50m specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133 Basic Rate Sub Total Add 10% For Area weightage Total Providing and fixing Special make glazed Vitrified colour of size 600x600x10mm thick fixed on exist skirting etc., complete including providing spears (P.No. 109, I.No. 14.43 of SR 2018-19). Basic Rate	r road gully cover including fing for 90 days with all lead in Rate S sqm and less in walls, cein proper shape and replact including curing cost of mate Rate Rate	60.60 666.60 Rmt fixing the cover and CM 1:3 nocluding cost of plastering but 893.00 893 893.00 Each Illings 10 to 20mm thick in tering the surface of the wall erials, labour, complete as per 277 277 277 27.70 304.70 Sqm approved make, quality and roffe adhesive for flooring and moving stains etc., complete.

	1			
	Providing and laying of teak wooden polished floorin	a of 12mm thick high a	density timber of	approved colour
	and design with end trims, transition, profiles, beading	_	•	• •
22	4mm thick foam underlay etc.,	ig, romm thorron, and	a 20 miorom pory	otor min with
	(P.No.113, I.No.14.70 of PWD SR 2018-19)			
	, , , , , , , , , , , , , , , , , , , ,		4000 00	Ī
	Basic Rate		4800.00	
	Sub Total		4800	
	Add 10% For Area weightage	Doto	480.00	
	Total	Rate	5280.00	Sqm
	KCDD 44.44 F. Dravidina Cararaia tilaa af annuayad			
	KSRB 14.14-5: Providing Ceramic tiles of approved			
00	landings laid on a bed of 12mm thick, cement morta pigment, including cost of materials, labour, curing,			
23	size 30x30cms 6mm thick.	complete as per specii	icalions for Ce	Tarriic Tiles Of
	PWD 18-19,SI No.14.36.2,Pg No.107 and 108			
				T
	Basic Rate		1211.00	
	Sub Total		1211	
	Add 10% For Area weightage		121.10	
	Total	Rate	1332.10	Sqm
	Providing and laying pattern flooring for staircase tre			
	ruby red granite @ 66%,20 mm thick grey granite @		•	
24	granite materials are laid on existing bed of CM 1:3			
	rounding for nosing, flaming the ruby red granite for	50 mm wide curing etc	., complete as pe	er specification.
	(P.No. 109, I.No. 14.46 of PWD SR 2018-19)			
	Basic Rate		7195.00	
	Sub Total		7195	
	Add 10% For Area weightage		719.50	
	Total	Rate	7914.50	Sqm
25	Repairing door and window frames with available wo	ood to the required size		
20	PWD 18-19,SI No.37.12,Pg No 267			
	Basic Rate		685.00	
	Sub Total		685	
	Add 10% For Area weightage		68.50	
	Total	Rate	753.50	Sqm
00	Repairing and fixing shutters (panelled or glazed) to	doors, windows, ventila	ators and cupboa	ırds.
26	PWD 18-19,SI No.37.13,Pg No.267			
	Basic Material Rate		685.00	
	Sub Total		685	
	Add 10% For Area weightage for Labour		68.50	
	Total	Rate	753.50	
		,		
	KSRB 15-15.1 : Providing and applying painting in to	wo coats with plastic en	nulsion paint of a	pproved brand
	on wall surface to give an even approved shade after	-	•	• •
	drops and other foreign matter including preparing the			
27	materials, labour, complete as per specifications.	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		, -
	- do- with primer			
	PWD 18-19,SI No.15.51.2,Pg No.119			
	Basic Material Rate		90.00	
	Sub Total		90	
	Add 10% For Area weightage for Labour		9.00	
	Total	Rate	99.00	
				11

	KSRB 15-17.19: Providing and applying painting one coa	nt (excluding primin	ng coat) on prev	iously painted
	wood surface and / or wood based surface with black jar		• .	• •
28	surface of all dirt, dust and foreign matter, including cost			
20	specifications.	,	, , ,	
	PWD 18-19,SI No.15.71,Pg No.123			
	Basic Rate		56.00	
	Sub Total		56.00	
	Add 10% For Area weightage		5.60	
	Total Rate	Rate	61.60	
	Total Nato	11010	0.100	94
29	KSRB 15-17.19:Applying additional one coat (excluding and / or wood based surface with black japan paint to give dirt, dust and foreign matter, including cost of materials, PWD 18-19,SI No.15.72,Pg No.123	e an even shade at	fter cleaning the	surface of all
	Basic Rate		50.00	I
	Sub Total	+	50.00	
	Add 10% For Area weightage	+	5.00	
	Total Rate	Rate	55.00	
				-
30	surface by chipping and cleaning and Grouting of Honey cement slurry (1kg cement added in 10 ltr of water) added spraying of liquid biological modified alkaline earth silicate the micro porosity and allowing it to dry, curing the surface concrete and spraying waterproofing impregnate liquid concrete.	d with 100gm of inc es @ 0.40 ltr per so ce for the silicates to	s / construction jorganic accelera qm on whole sur penetrate deep	oints with tor, followed by face to reduce per into the
30	cement slurry (1kg cement added in 10 ltr of water) added spraying of liquid biological modified alkaline earth silicate the micro porosity and allowing it to dry, curing the surface	comb, voids, cracks d with 100gm of inces @ 0.40 ltr per some for the silicates to ontaining silane and out of cross linked	s / construction jorganic acceleration on whole sure penetrate deep disilanol linear conacrylic / styrene	oints with tor, followed by face to reduce per into the opolymer @ a / butadiene &
30	cement slurry (1kg cement added in 10 ltr of water) added spraying of liquid biological modified alkaline earth silicate the micro porosity and allowing it to dry, curing the surface concrete and spraying waterproofing impregnate liquid concrete and spraying waterproofing impregnate liquid concrete and spraying waterproofing impregnate liquid concrete and spraying waterproofing polymer slurry made cement in the ratio of 1:0.1, @0.50kg/sqm on the whole equipments, all complete as per the specification	comb, voids, cracks d with 100gm of inces @ 0.40 ltr per some for the silicates to ontaining silane and out of cross linked	s / construction jorganic acceleration on whole sure penetrate deep disilanol linear conacrylic / styrene	oints with tor, followed by face to reduce per into the opolymer @ of butadiene & so tools and
30	cement slurry (1kg cement added in 10 ltr of water) added spraying of liquid biological modified alkaline earth silicate the micro porosity and allowing it to dry, curing the surface concrete and spraying waterproofing impregnate liquid concrete and spraying waterproofing impregnate liquid concrete and spraying waterproofing impregnate liquid concrete and spraying waterproofing impregnate liquid concrete and spraying applying polymer slurry made cement in the ratio of 1:0.1, @0.50kg/sqm on the whole equipments, all complete as per the specification PWD 18-19,SI No.10.5.1,Pg No 69	comb, voids, cracks d with 100gm of inces @ 0.40 ltr per some for the silicates to ontaining silane and out of cross linked	s / construction jorganic accelera qm on whole sur o penetrate deep d silanol linear co acrylic / styrene Il labour charges	oints with tor, followed by face to reduce per into the opolymer @ a / butadiene & as tools and
30	cement slurry (1kg cement added in 10 ltr of water) added spraying of liquid biological modified alkaline earth silicate the micro porosity and allowing it to dry, curing the surface concrete and spraying waterproofing impregnate liquid concrete and spraying waterproofing impregnate liquid concrete and spraying waterproofing impregnate liquid concrete and spraying waterproofing impregnate liquid concrete and spraying applying polymer slurry made cement in the ratio of 1:0.1, @0.50kg/sqm on the whole equipments, all complete as per the specification PWD 18-19,SI No.10.5.1,Pg No 69 Basic Rate	comb, voids, cracks d with 100gm of inces @ 0.40 ltr per some for the silicates to ontaining silane and out of cross linked	s / construction j organic accelera qm on whole sur o penetrate deep d silanol linear co acrylic / styrene Il labour charges 526.00 526.00	oints with tor, followed by face to reduce per into the poolymer @ / butadiene & s tools and
30	cement slurry (1kg cement added in 10 ltr of water) added spraying of liquid biological modified alkaline earth silicate the micro porosity and allowing it to dry, curing the surface concrete and spraying waterproofing impregnate liquid concrete and spraying waterproofing impregnate liquid concrete and spraying waterproofing impregnate liquid concrete and spraying waterproofing impregnate liquid concrete and spraying polymer slurry made cement in the ratio of 1:0.1, @0.50kg/sqm on the whole equipments, all complete as per the specification PWD 18-19,SI No.10.5.1,Pg No 69 Basic Rate Sub Total Add 10% For Area weightage Total Rate	comb, voids,cracks d with 100gm of inc es @ 0.40 ltr per so ce for the silicates to ontaining silane and out of cross linked surface, including a	s / construction j organic accelera om on whole sur o penetrate deep d silanol linear co acrylic / styrene Il labour charges 526.00 526.00 52.60 578.60	oints with tor, followed by face to reduce per into the opolymer @ / butadiene & s tools and
31	cement slurry (1kg cement added in 10 ltr of water) added spraying of liquid biological modified alkaline earth silicate the micro porosity and allowing it to dry, curing the surface concrete and spraying waterproofing impregnate liquid concrete and spraying waterproofing impregnate liquid concrete and spraying waterproofing impregnate liquid concrete and spraying waterproofing impregnate liquid concrete and spraying waterproofing impregnate liquid concrete and spraying polymer slurry made cement in the ratio of 1:0.1, @0.50kg/sqm on the whole equipments, all complete as per the specification PWD 18-19,SI No.10.5.1,Pg No 69 Basic Rate Sub Total Add 10% For Area weightage Providing and fixing Vitrified glazed tiles of approved mathick fixed on bed of 12mm thick cement mortar for floor mixed with pigment to mach shade of tiles, including prostains, including cost of all mateirals, mortar, labour, etc. (KPWD 18-19,SI.No.14.45.1) Basic Rate Sub Total Add 10% For Area weightage	comb, voids,cracks d with 100gm of inces @ 0.40 ltr per so be for the silicates to ontaining silane and out of cross linked surface, including a surface, including a lke, quality & coloung, skirting and JO viding spacers at reg, Complete as per silving and surface, including spacers at regions.	s / construction j organic accelera qm on whole sur o penetrate deep d silanol linear co acrylic / styrene Il labour charges 526.00 526.00 526.00 578.60 ar of size 900 x 9 inted with neat of equired interval a specification.	oints with tor, followed by face to reduce per into the opolymer @ c / butadiene & s tools and Sqm Oo x 12mm rement slurry and removing
	cement slurry (1kg cement added in 10 ltr of water) added spraying of liquid biological modified alkaline earth silicate the micro porosity and allowing it to dry, curing the surface concrete and spraying waterproofing impregnate liquid concrete and spraying waterproofing impregnate liquid concrete and spraying waterproofing impregnate liquid concrete and spraying waterproofing impregnate liquid concrete and spraying waterproofing impregnate liquid concrete and spraying polymer slurry made cement in the ratio of 1:0.1, @0.50kg/sqm on the whole equipments, all complete as per the specification PWD 18-19,SI No.10.5.1,Pg No 69 Basic Rate Sub Total Add 10% For Area weightage Total Rate Providing and fixing Vitrified glazed tiles of approved mathick fixed on bed of 12mm thick cement mortar for floor mixed with pigment to mach shade of tiles, including prostains, including cost of all mateirals, mortar, labour, etc. (KPWD 18-19,SI.No.14.45.1) Basic Rate Sub Total	comb, voids,cracks d with 100gm of inces @ 0.40 ltr per so be for the silicates to ontaining silane and out of cross linked surface, including a Rate Rate ke, quality & colouing, skirting and JO viding spacers at re	s / construction jorganic acceleracy on whole sure of penetrate deep disilanol linear conference acrylic / styrene ll labour charges 526.00 52.60 578.60 styrene with neat conference acquired interval aspecification.	oints with tor, followed by face to reduce per into the opolymer @ of butadiene & stools and Sqm Output Sqm The memory in the story
	cement slurry (1kg cement added in 10 ltr of water) added spraying of liquid biological modified alkaline earth silicate the micro porosity and allowing it to dry, curing the surface concrete and spraying waterproofing impregnate liquid concrete and spraying waterproofing impregnate liquid concrete and spraying waterproofing impregnate liquid concrete and spraying waterproofing impregnate liquid concrete and spraying waterproofing impregnate liquid concrete and spraying polymer slurry made cement in the ratio of 1:0.1, @0.50kg/sqm on the whole equipments, all complete as per the specification PWD 18-19,SI No.10.5.1,Pg No 69 Basic Rate Sub Total Add 10% For Area weightage Providing and fixing Vitrified glazed tiles of approved mathick fixed on bed of 12mm thick cement mortar for floor mixed with pigment to mach shade of tiles, including prostains, including cost of all mateirals, mortar, labour, etc. (KPWD 18-19,SI.No.14.45.1) Basic Rate Sub Total Add 10% For Area weightage	comb, voids,cracks d with 100gm of inces @ 0.40 ltr per so be for the silicates to ontaining silane and out of cross linked surface, including a surface, including a skirting and JO viding spacers at reg, Complete as per surface and Shrubs KS	s / construction j organic accelera om on whole sur o penetrate deep d silanol linear co acrylic / styrene ll labour charges 526.00 526.00 526.00 578.60 r of size 900 x 9 inted with neat of equired interval a specification.	oints with tor, followed by face to reduce per into the opolymer @
31	cement slurry (1kg cement added in 10 ltr of water) adde spraying of liquid biological modified alkaline earth silicat the micro porosity and allowing it to dry, curing the surface concrete and spraying waterproofing impregnate liquid c 0.50 ltr per sqm and finally applying polymer slurry made cement in the ratio of 1:0.1, @0.50kg/sqm on the whole equipments, all complete as per the specification PWD 18-19,Sl No.10.5.1,Pg No 69 Basic Rate Sub Total Add 10% For Area weightage Total Rate Providing and fixing Vitrified glazed tiles of approved mathick fixed on bed of 12mm thick cement mortar for floor mixed with pigment to mach shade of tiles, including prostains, including cost of all mateirals, mortar, labour, etc. (KPWD 18-19,Sl.No.14.45.1) Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRRB M300- Planting and Maintaining of Flowering Pla Maintaining of Flowering Plants and Shrubs - A) Planting MORTH Specification No. 307	comb, voids,cracks d with 100gm of inces @ 0.40 ltr per so be for the silicates to ontaining silane and out of cross linked surface, including a surface, including a skirting and JO viding spacers at reg, Complete as per surface and Shrubs KS	s / construction j organic accelera om on whole sur o penetrate deep d silanol linear co acrylic / styrene ll labour charges 526.00 526.00 526.00 578.60 r of size 900 x 9 inted with neat of equired interval a specification.	oints with tor, followed by face to reduce per into the opolymer @
31	cement slurry (1kg cement added in 10 ltr of water) adde spraying of liquid biological modified alkaline earth silicat the micro porosity and allowing it to dry, curing the surface concrete and spraying waterproofing impregnate liquid c 0.50 ltr per sqm and finally applying polymer slurry made cement in the ratio of 1:0.1, @0.50kg/sqm on the whole equipments, all complete as per the specification PWD 18-19,SI No.10.5.1,Pg No 69 Basic Rate Sub Total Add 10% For Area weightage Total Rate Providing and fixing Vitrified glazed tiles of approved mathick fixed on bed of 12mm thick cement mortar for floor mixed with pigment to mach shade of tiles, including prostains, including cost of all mateirals, mortar, labour, etc. (KPWD 18-19,SI.No.14.45.1) Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRRB M300- Planting and Maintaining of Flowering Plamaintaining of Flowering Plants and Shrubs - A) Planting MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149	comb, voids,cracks d with 100gm of inces @ 0.40 ltr per so be for the silicates to ontaining silane and out of cross linked surface, including a surface, including a skirting and JO viding spacers at reg, Complete as per surface and Shrubs KS	s / construction j organic accelera qm on whole sur o penetrate deep d silanol linear co acrylic / styrene Il labour charges 526.00 526.00 526.00 578.60 ar of size 900 x 9 inted with neat co equired interval a specification.	oints with tor, followed by face to reduce per into the opolymer @
31	cement slurry (1kg cement added in 10 ltr of water) adde spraying of liquid biological modified alkaline earth silicat the micro porosity and allowing it to dry, curing the surface concrete and spraying waterproofing impregnate liquid concrete and spraying waterproofing impregnate liquid concrete and spraying waterproofing impregnate liquid concrete and spraying waterproofing impregnate liquid concrete and spraying waterproofing impregnate liquid concrete and spraying waterproofing impregnate liquid concrete and spraying waterproofing impregnate liquid concrete and spraying waterproofing impregnate liquid concrete and spraying waterproofing impregnate liquid concrete and spraying waterproofing properties. When the sum of the s	comb, voids,cracks d with 100gm of inces @ 0.40 ltr per so be for the silicates to ontaining silane and out of cross linked surface, including a surface, including a skirting and JO viding spacers at reg, Complete as per surface and Shrubs KS	5/ construction jorganic acceleracym on whole sure of penetrate deep disilanol linear conservation acrylic / styrene lil labour charges 526.00 526.00 526.00 526.00 526.00 1315.00	oints with tor, followed by face to reduce per into the opolymer @

	KSRRR M300-Turfing lawns with fine grassing	a including plaughing, dressing	KSRRR M300-5 Turfir	na law
	KSRRB M300-Turfing lawns with fine grassing including ploughing, dressing KSRRB M300-5. Turfing lawns with fine grassing including ploughing, dressing including breaking of clods, removal of rubbish, dressing			
	and supplying doobs grass roots at 10 cm apa			•
33	rate of 0.6 cum per 100 sqm complete as per			iliule c
	PWD SOR 18-19,SI No.19.82,Pg No.149	specifications. MORTH Specifi	cation No. 307	
	1 VVD GOTT TO 13,01140.13.02,1 g 140143			
			1	
	Basic Rate		23.00	
	Sub Total		23.00	
	Add 10% For Area weightage	Bata	2.30	
	Total Rate	Rate	25.30 Sqm	
	VCDDD M200 Mointenance of laws with time	aronaing for the first year ICC	DD M200 6 Maintains	200 51
	KSRRB M300- Maintenance of lawns with fine			
34	lawns with fine grassing for the first year inclu	ding watering etc complete as p	bei specifications, MOF	XΙΠ
	Specification No. 307. PWD SOR 18-19,SI No.19.83,Pg No149			
	Basic Rate	Т	92.00	
	Sub Total		92.00	
	Add 10% For Area weightage		92.00	
	Total Rate	Rate	101.20 Sqm	
	Total Nate	Nate	101.20 04111	
	Providing and laving artline grass pavers or ed	guivalent block making machine	with strong vibratory	
	Providing and laying artline grass pavers or ecompaction of approved size, design & shape		•	ı 50mr
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35	compaction, of approved size, design & shape thick compacted bed of coarse sand, filling the	, laid in required colour and pat	tern over and including	
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35	compaction, of approved size, design & shape thick compacted bed of coarse sand, filling the	, laid in required colour and pat	tern over and including implete as per the direct	
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35	compaction, of approved size, design & shape thick compacted bed of coarse sand, filling the Engineer-in-charge. (Non SOR) Basic Rate	, laid in required colour and pat	tern over and including implete as per the direct 2067.00	
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35	compaction, of approved size, design & shape thick compacted bed of coarse sand, filling the Engineer-in-charge. (Non SOR) Basic Rate Sub Total Total Rate KSRB 2.9 : Spreading and forming the excava-	Rate ated earth to required level, sloped golden and tamping manually at the state of the state	2067.00 2067.00 Sqm De for an average thick	ness (
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are recognized within ACI 360 and SDI/ANSI-C1.0	Das a reinforcing alternate			
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Accentance Criteria AC32 for synthetic fibers, are	III certified for composite			
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polyethylene synthetic macro-fiber successfully us	sed to replace steel fibers,	welded wire mesh and		
	•	•		
per ASTM C 109, Flexural strength as per ASTM	C 348 should be 6.2Mpa ir	n 1 day, Linear shrinkage as p		
single-component, rapid-setting mortar for horizon	ntal, and form and pour rep	air projects. Requiring only th		
5 7				
2 Clean the surface thoroughly, fix the shear anch	or with designed gap of co	onstruction and control joint		
by as required all in complete as per manufacturers and EIC . Work need to be done by flooring specialist only recommended by Flowcrete only.				
width should not be more than 400mm, power 5HP 3phase, voltage 220V/415V, Motor speed should be 700 RPM-900 RPM followed by Hand grinding machine for non approachable areas as directed in BS 8203:				
frequency control drive and planetry drive, equippe	ed with a vaccum pipe for	dust collection. where operati		
	frequency control drive and planetry drive, equipping width should not be more than 400mm, power 5H RPM-900 RPM followed by Hand grinding maching Code of practice for installation of resilient floor coby as required all in complete as per manufacture only recommended by Flowcrete only. 2. Clean the surface thoroughly, fix the shear anchology and Installing Versaspeed / Thin top single-component, rapid-setting mortar for horizor addition of water and 25% -40% pea aggregates, per ASTM C 109, Flexural strength as per ASTM ASTM C157 should be -0.083%, chloride permeal with along with TUF-STRAND SF "structural fibers polyethylene synthetic macro-fiber successfully us conventional reinforcing bars in a wide variety of a C1116, Standard Specification for Fiber Reinforce to provide equivalent tensile and bending resistant reinforced with TUF-STRAND SF will have three-cimpact and abrasion resistance and will also help concrete. Dosage rates will vary depending upon to 12 kg/m³. TUF-STRAND SF synthetic macro-file	RPM-900 RPM followed by Hand grinding machine for non approachable and Code of practice for installation of resilient floor coverings, BS 8204 Parts 1, by as required all in complete as per manufacturers and EIC. Work need to only recommended by Flowcrete only. 2. Clean the surface thoroughly, fix the shear anchor with designed gap of codes. 3. Supplying and Installing Versaspeed / Thin top Supreme/ Eucocrete of FL single-component, rapid-setting mortar for horizontal, and form and pour repaddition of water and 25% -40% pea aggregates, where the compressive streer ASTM C 109, Flexural strength as per ASTM C 348 should be 6.2 Mpa in ASTM C157 should be -0.083%, chloride permeability should be 900 coulon with along with TUF-STRAND SF "structural fibers" of FLOWCRETE are a polyethylene synthetic macro-fiber successfully used to replace steel fibers, conventional reinforcing bars in a wide variety of applications. TUF- STRANI C1116, Standard Specification for Fiber Reinforced Concrete and Shotcrete to provide equivalent tensile and bending resistance to conventional reinforce reinforced with TUF-STRAND SF will have three-dimensional reinforcing wit impact and abrasion resistance and will also help mitigate the formation of proncrete. Dosage rates will vary depending upon the reinforcing requiremento 12 kg/m³. TUF-STRAND SF synthetic macro-fibers comply with applicable Code Council (ICC)		

39	To supply and apply Green Label certified Decksheild system, low VOC as per ISO11890-2 resulted in Very Low <20g/L, solvent free, flexible polyurethane park deck coating system providing a colourful watertight, hard- wearing surface for intermediate decks of multi-storey, basement and other trafficable suspended floors consisting of 3 component, solvent free, Polyurethane based primer/body coat/binding agent having solid content of approximately 100% which accepts silica aggregate scatter to produce an anti skid surface as well as 2 component, coloured, flexible polurethane coating having 100% solid contents to seal the aggregate layer where UV light staibility is not critical having chemical resistance property to Petrol, Diesel, Antifreeze, Hydraulic Fluids, Chlorides & Battery Acids etc. Technical profile having Fire resistance -BS476-3 Designated EXT.F.AA, Slip Resistance as per TRRL Pendulum Slip Test resulted in Dry>40. Wet>40 (Low Slip Potential), Abrasion Resiatance as per Taber Abrader resulted in 0.1 mg loss per 1000 cycles (1Kg Load using CS17 wheels). For exposed area UV stable 2 component Polyurethane based top coat having abrasion resistance as per Taber Abrader: 0.1g loss per 1000 cycles, 100% UV Light stable & prevents from yellowing effect, followed by as required all in complete as per manufacturers and EIC				
	Basic Rate		1400.00		
	Sub Total		1400.00		
	Total Rate	Rate	1400.00	Sqm	
40	KSRB13-1.1: Providing and fixing to wall, ceiling and floor galvanised I mild steel tube nominal bore with fittings (medium grade weight 1.27 kglmtr) B class including cost of all materials, labour charges, HOM and testing complete as per specifications. Specification No.KBS 13.2.14 I 13.8 do- 40 mm dia (KSRB 18-19,Pg No.92,SI No.13.5)				
	Basic Rate		447.00		
	Sub Total		447.00		
	Add 10% For Area weightage		44.70		
	Total Rate	Rate	491.70	Rmt	

Executive Engineer MSCL Mangaluru

MANGALURU SMART CITY 1.1 Grand Summary of E-Smart school - GHS HoigeBazar

Sr. No.	Description	Cost In INR
1	E-Smart School - GHS Hoigebazar	
а	Building & Compound wall works	4,119,648
b	Electrical Works	357,727
С	Plumbing Works	301,017
d	External Development - Softscape & Hardscape	901,275
	Total Cost	5,679,667

Executive Engineer MSCL Mangaluru

MANGALURU SMART CITY 1.2 BOQ of E-Smart School - GHS HOIGEBAZAR

Sr .No.	Description	Unit	Quantity	Rate	Amount
Α	Building & Compound wall works				
1	KSRRB M200-7.1. Clearing grass and removal of rubbish by manual means and stacking outside the periphery of the area cleaned complete as per specifications. MORTH Specification No. 201 PWD 18-19,Page No 138,SI No.18.10)	На	0.16	28330.50	4,550
2	KSRB 24-9 : Cleaning and washing of stone masonry wall surface with nitric acid including cost of materials, labour, complete as per specifications. Specification No.KBS 18-19, (Page No 130,SI No : 16.4)	Sqm	812.40	5.50	4,468
3	Providing and construction laterite size stone masonary including cost and conveyance of all materials curing etc. complete as per specification.I.S.3620/1979 having compressive strength not less then 3.5N/mm2 for saturated dry samples.For super structure in CM 1:6 (Cement 45 kgs/M3) (KPWD 18-19,Page No 384,SI No : 42.5.3)	Cum	19.01	3730.10	70,909
4	KSRB 15.3.10 Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry and concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. PWD 18-19,SI No.15.19,Pg No 116	Sqm	162.48	300.30	48,793
5	KSRB 15-16.1: Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - do - with Primer PWD 18-19,SI No.15.53.2,Pg No 120	Sqm	2077.65	112.20	233,112
6	Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, complete as per specifications. (KPWD 18-19,SI No.15.103)	Sqm	267.05	374.00	99,877
7	KSRRB MS00-10 Painting new letter and figures of any shade with synthetic enamel paint black or any other approved colour to give an even shade complete as per specifications. ("ii) English and Roman - Hyphen and the like not to be measured and paid for" MORTH Specification No.801 (KSRRB 18-19,SI No.24.10)	Cm	1550.00	0.77	1,194
8	Cleaning RCC sump tanks and RCC overhead tanks with mechanical dewatering including removal of sludge, mud, dirt, algea etc and cleaning the wall surface of tanks using high pressure jet, vacuum cleaning and spraying anti bacterial treatment to the wall and ceiling surfaces and UV treatment, including removing of sludge etc, using suitable coconut broomstick, squeesers I wipers I rubber brushes, coir brushes, plastic buckets, mugs, dewatering using motor with portal arrangement, hose pipe etc., complete including all safety measures. (KPWD 18-19,SI No.10.7)	L	15000.00	0.39	5,775
9	KSRB 15-18.3: Providing and applying enamel metal paint one coat (excluding priming coat) on previously painted steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. PWD 18-19,SI No.15.75,Pg No 123	Sqm	12.24	67.10	821

Sr .No.	Description	Unit	Quantity	Rate	Amount
10	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 PWD 18-19,SI No.2.3,Pg No 6	Cum	232.26	328.90	76,390
11	KSRB 4-1.6; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 ems. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2 PWD 18-19,SI No.4.6,Pg No 13	Cum	23.72	6490.00	153,943
12	KSRB 14.9-2: Providing and laying M-15 cement concrete flooring 60 mm thick with metallic concrete hardner topping, under layer of 45mm thick M-15 cernent concrete using broken granite metal of 20mm and down size and top layer of 15mm thick metallic cement hardner consisting of mix 1:2 (1 cement hardner mix: 2 granite metal 10mm nominal size) by volurne, with metalic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement= 1 part of metallic floor hardening compound of approved quality by wt), including finishing, cost of materials, labour, curing, complete as per specifications. Specification No. KBS 14.4 PWD 18-19,SI No.14.14	Sqm	135.71	797.50	108,229
13	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregates @0.47cum, with super plasticisers @ 3 liters conforming to IS 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedestrals, retaining walls, returnwalls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. PWD 18-19,SI No.4.10,Pg No 14	Cum	28.47	6817.80	194,103
14	Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete with all lead lifts and as per specifications and directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18	МТ	2.14	77860.20	166,251
15	Providing and removing, centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications PWD 18-19,SI No.4.28,Pg No 16	Sqm	111.57	289.30	32,277
16	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses plinth cills and string courses cost of all materials, labour complete as per specifications. PWD 18-19,SI No.4.31,Pg No 16	Sqm	239.87	397.10	95,252
17	KSRRB M2200 - Providing Weep holes Providing weep holes in Brick masonry / Plain / Reinforced concrete abutment, wing wall / return wall with 100mm dia AC pipe , extending through the full width of the structure with slope of 1V:20H towards drawing force complete as per drawing and Technical specifications complete as per specifications. PWD 18-19,SI No.28.10,Pg No 229	Nos	8.00	161.70	1,294

Sr .No.	Description	Unit	Quantity	Rate	Amount
18	KSRB 2-4: Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications. PWD 18-19,SI No.2.11,Pg No 7	Cum	61.40	132.00	8,104
19	Providing and fixing unplasticised PVC pipes with working pressure 10 kg/sq.cm with pipe fittings, clips, making good the floor, including cost of all materials, labour charges, HOM and testing complete as per specifications. KSRB 18-19,Pg No.77,SI No.11.56.2				
	do- with 110mm outer dia	Rmt	12.00	666.60	7,999
20	Providing & Fixing CI Grating (325 x 325mm) for road gully cover including fixing the cover and CM 1:3 Plastering 20mm thick to all exposed faces curing for 90 days with all lead including cost of plastering but excluding cost of concrete etc,completete (As Per EOI)	Each	4.00	893.00	3,572
21	KSRB 24-44: Repairs to plaster in patches of 2.5 sqm and less in walls, ceilings 10 to 20mm thick in cement mortar 1:4 including cutting the patches in proper shape and replastering the surface of the wall including disposal of rubbish with a lead of 50m including curing cost of materials, labour, complete as per specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133	Sqm	508.68	304.70	154,994
22	Providing and fixing Special make glazed Vitrified tiles (Granomite finish) of approved make, quality and colour of size 600x600x10mm thick fixed on existing flooring with a special roffe adhesive for flooring and skirting etc., complete including providing spears at required interval and removing stains etc., complete. (P.No. 109, I.No. 14.43 of SR 2018-19).	Sqm	465.74	1452.00	676,254
23	Providing and laying of teak wooden polished flooring of 12mm thick, high density timber of approved colour and design with end trims, transition, profiles, beading, 15mm thick felt, and 20 micron polyester film with 4mm thick foam underlay etc., (P.No.113, I.No.14.70 of PWD SR 2018-19)	Sqm	38.32	5280.00	202,330
24	KSRB 14.14-5: Providing Ceramic tiles of approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing, complete as per specifications for Ceramic Tiles of size 30x30cms 6mm thick. PWD 18-19,SI No.14.36.2,Pg No.107 and 108	Sqm	464.81	1332.10	619,173
25	Providing and laying pattern flooring for staircase treads and risers using the combination of 20mm thick ruby red granite @ 66%,20 mm thick grey granite @ 20%, 20mm thick, 20mm thick black granite 14%. The granite materials are laid on existing bed of CM 1:3 20mm thick pointed with colour pigment, including full rounding for nosing, flaming the ruby red granite for 50 mm wide curing etc., complete as per specification. (P.No. 109, I.No. 14.46 of PWD SR 2018-19)	Sqm	24.34	7914.50	192,639
26	Repairing door and window frames with available wood to the required size. PWD 18-19,SI No.37.12,Pg No 267	Sqm	108.80	753.50	81,981
27	Repairing and fixing shutters (panelled or glazed) to doors, windows, ventilators and cupboards. PWD 18-19,SI No.37.13,Pg No.267	Sqm	108.80	753.50	81,981
28	KSRB 15-15.1: Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - do- with primer PWD 18-19,SI No.15.51.2,Pg No.119	Sqm	1755.25	99.00	173,770

Sr .No.	Description	Unit	Quantity	Rate	Amount
29	Supplying and fixing new Mangalore tiles on existing reepers. PWD 18-19,SI No.37.9,Pg No.267	Sqm	309.72	447.70	138,662
30	KSRB 8.4: Providing and fixing Mangalore tile roofing using first class tiles with necessary special tiles for ridges and hips, wood reepers and pointed with cement mortar 1:4 over the existing rafters including cost of materials, labour, curing complete as per specifications. Specification No. KBS 8.17KSRB 8.4-2: do- Nandi wood reepers of size 50x25mm PWD 18-19,SI No.8.11	Sqm	206.48	895.40	184,882
31	Removing and fixing old Mangalore ridge tiles including pointing with C.M. 1:3. PWD 18-19,SI No.37.10,Pg No.267	Rmt	47.68	111.10	5,297
32	KSRB 15-17.19: Providing and applying painting one coat (excluding priming coat) on previously painted wood surface and / or wood based surface with black japan paint to give an even shade after cleaning the surface of all dirt, dust and foreign matter, including cost of materials, labour, complete as per specifications. PWD 18-19,SI No.15.71,Pg No.123	Sqm	137.11	61.60	8,446
33	KSRB 15-17.19:Applying additional one coat (excluding priming coat) on previously painted wood surface and / or wood based surface with black japan paint to give an even shade after cleaning the surface of all dirt, dust and foreign matter, including cost of materials, labour, complete as per specifications. PWD 18-19,SI No.15.72,Pg No.123	Sqm	137.11	55.00	7,541
34	Providing and laying non - asbestos high impact ploypropylene reinforced corrugated cement roofing sheet reinforced with Other colours and with a blend of strong factory made fibre as per IS:14871 and IS:9933:1995 (E) roofing upto any pitch and fixing with polymer coated J or L hooks, bolts and nuts 8mm dia, G I plain and bitumen washers or with self drilling fastener and EPDM washers ete. complete but excluding the cost of purlins, refters and trusses. including cutting to size and shape of corrugated sheets wherever required. and cost of materials, labour, complete as per specifications. PWD 18-19,SI No.8.31.2,Pg No 51	Sqm	14.08	649.00	9,138
35	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification PWD 18-19,SI No.10.5.1,Pg No 69	Sqm	459.12	578.60	265,647
В	External Development - Softscape & Hardscape				
36	KSRRB M300- Planting and Maintaining of Flowering Plants and Shrubs KSRRB M300- 8.1. Planting and Maintaining of Flowering Plants and Shrubs - A) Planting flowring plants and shrubs in central verge MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149	Rmt	155.00	50.60	7,843
37	Providing and laying heavy duty Tactile Tiles (Direction and Stop tiles-300 x 300 mm) 60mm thick and Yellow in colour , using cement and course sand for manufacture of blocks of approved size, shape with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. (As Per EOI)	Sqm	66.20	912.00	60,374

Sr .No.	Description	Unit	Quantity	Rate	Amount
38	Providing and laying artline grass pavers or equivqlent block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge. (Non SOR)	Sqm	193.00	2067.00	398,931
39	Providing and fixing Vitrified glazed tiles of approved make, quality & colour of size 900 x 900 x 12mm thick fixed on bed of 12mm thick cement mortar for flooring, skirting and JOinted with neat cement slurry mixed with pigment to mach shade of tiles, including providing spacers at required interval and removing stains, including cost of all mateirals, mortar, labour, etc., Complete as per specification. (KPWD 18-19,SI.No.14.45.1)	Sqm	264.80	1446.50	383,033
40	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete. do- of size 450 x 150 x 400 mm (KSRRB 18-19,Pg No.27,SI No.5.29.1)	Nos	91.00	514.80	46,847
41	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 (KSRB 18-19,SI No.24.15)	Sqm	9.00	471.90	4,247
	GRAND TOTAL				5,020,923

GST @12% on SOR & Non SOR 4,960,549 GST @18% on Market 0

Executive Engineer MSCL Mangaluru

G M Technical MSCL Mangaluru 595266

MANGALURU SMART CITY 1.3 Measurement of E-SMART SCHOOL - GHS Hoigebazar

Sr.No.	Descriptions	Unit	Nos.	Longth	Breadth	Donth	Quantity
31.NO.	Descriptions VSDDB M200 7.1. Clearing gross and removal of rubbish by	Unit	NOS.	Length	Breautii	Depth	Quantity
	KSRRB M200-7.1. Clearing grass and removal of rubbish by manual means and stacking outside the periphery of the area						
1	cleaned complete as per specifications. MORTH Specification No.						
	201						
	PWD 18-19,Page No 138,SI No.18.10)						
	Total Area	Sqm	1	2561.00	Area		2561.00
	Ded	Sqm Sqm	-1	955.00	Area		-955.00 1606.00
		Ha					0.161
							01101
	KSRB 24-9 : Cleaning and washing of stone masonry wall surface						
2	with nitric acid including cost of materials, labour, complete as per						
	specifications. Specification No.KBS 18-19, (Page No 130,Sl No : 16.4)						
	Compound wall - Front side	Sqm	2	55.20		1.50	165.60
	Right side	Sqm	2	57.20		1.30	148.72
	Left side	Sqm	2	55.00		2.00	220.00
	Back side	Sqm	2	66.00		2.00	264.00
	Pillar	Sqm	2	3.20	T-4-1	2.20	14.08
		Sqm			Total		812.40
	Providing and construction laterite size stone masonary including						
	cost and conveyance of all materials curing etc. complete as per						
	specification.I.S.3620/1979 having compressive strength not less						
3	then 3.5N/mm2 for saturated dry samples.For super structure in						
	CM 1:6 (Cement 45 kgs/M3)						
	(KPWD 18-19,Page No 384,Sl No : 42.5.3)						
	Compound wall - Front side	Cum	1	11.04	0.23	1.50	3.81
	Right side	Cum	1	11.44	0.23	1.30	3.42
	Left side Back side	Cum Cum	1	11.00 13.20	0.23 0.23	2.00 2.00	5.06 6.07
	Pillar	Cum	2	0.64	0.23	2.20	0.65
	Total Quantity	Cum		0.04	Total	2.20	19.01
	Total Quality	• • • • • • • • • • • • • • • • • • • •			10101		
	KSRB 15.3.10 Providing 20mm thick cement plaster in single coat						
	with cement mortar 1:4, to stone masonry and concrete surface						
	including rounding off corners wherever required smooth						
4	rendering,: Providing and removing scaffolding, including cost of						
	materials, labour, curing complete as per specifications. PWD 18-19,SI No.15.19,Pg No 116						
	1 VVD 10-13,51 No. 13. 13,1 g No 110						
	Compound wall - Front side	Sqm	2	11.04		1.50	33.12
	Right side	Sqm	2	11.44		1.30	29.74
	Left side	Sqm	2	11.00		2.00	44.00
	Back side	Sqm	2	13.20		2.00	52.80
	Pillar	Sqm	2	0.64		2.20	2.82
	Total Quantity	Sqm			Total		162.48
	KSRB 15-16.1 : Providing and finishing external walls in two coats						
	with waterproof cement paint of approved brand and shade to						
	give an even shade after throughly brooming the surface to						
	remove all dirt and loose powdered material, free from mortar						
5	drops and other foreign matter cost of materials, labour, complete						
	as per specifications.						
	- do - with Primer						
	PWD 18-19,SI No.15.53.2,Pg No 120						
	Compound wall - Front side	Sqm	2	55.20		1.50	165.60
	Right side	Sqm	2	57.20		1.30	148.72
	Left side	Sqm	2	55.00		2.00	220.00
	Back side	Sqm	2	66.00 3.20		2.00 2.20	264.00 14.08
	Pillar B1 Block	Sqm		3.20		2.20	14.08
	Outside Building-GF	Sqm	1	60.32		3.45	208.10
	Deduction	Jqiii	<u>'</u>	30.02		0.70	200.10
	Door-D1	Sqm	-3	1.20		2.10	-7.56
	Window-W	Sqm	-12	1.35		1.35	-21.87
	Opening Door Grill	Sqm	-1	2.28		3.00	-6.84
	Parapet wall	Sqm	2	38.50		0.75	57.75
	Outside Building-FF	Sqm	1	52.26		3.00	156.78
	Ded Ded Ded	C		4.00		0.40	7.50
	Door-D1 Window-W	Sqm Sqm	-3 -8	1.20 1.35		2.10 1.35	-7.56 -14.58
	VVIII GOW-VV	Sqiii	-0	1.33	ļ	1.33	-14.38

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	Chejja	Sqm	22	1.35		0.60	17.82
	Ceiling	Sqm	1	23.70	1.50		35.55
	Ceiling	Sqm	1	19.67	1.50		29.51
	Block 2 Kitchen	Sqm	1	22.24		3.33	73.95
	Toilet	Sqm	1	17.40		2.90	50.46
	Ded	Oqiii	'	17.40		2.50	30.40
	Door-D	Sqm	-3	0.90		2.00	-5.40
	Window-W	Sqm	-3	0.90		1.20	-3.24
	Ventilator-V	Sqm	-5	0.60		0.50	-1.50
	Projection	Sqm	2	6.16	0.6		7.39
	Projection	Sqm	2	7.50	0.6		9.00
	Block 3						
	Outside wall	Sqm	1	43.06		3.55	152.86
	Ded		_	4.00		0.40	5.04
	Door-D Window-W	Sqm	-2 -6	1.20 1.50		2.10 1.50	-5.04 -13.50
	Parapet wall	Sqm Sqm	2	19.60		0.60	23.52
	Ceiling	Sqm	1	16.00		1.80	28.80
	Block 4	Oqiii		10.00		1.00	20.00
	Outside Building	Sqm	1	112.26		4.75	533.24
	Ded						
	Door-D	Sqm	-6	1.00		2.10	-12.60
	Door-D1	Sqm	-2	0.87		2.10	-3.65
	Window-W	Sqm	-21	1.50		1.50	-47.25
	Sliding Window	Sqm	-1	1.20		1.50	-1.80
	Block 5						
	Toilet Outside wall	Sqm	1	10.00		2.65	26.50
	O T I	Sqm	1	3.30		1.60	5.28
	Open Tank	Sqm	1	6.45		1.05	6.77
	Ded Door-D	Sqm	-2	1.00		2.10	-4.20
	Ventilator-V	Sqm	-4	0.60		0.60	-1.44
	Volument	Sqm		0.00	Total	0.00	2077.65
6	including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, complete as per specifications.						
	(KPWD 18-19,SI No.15.103)						
	Compound wall - Front side	Sqm	1	55.20		1.50	82.80
	Left side B1 Block	Sqm Sqm	1	55.00 21.50		1.30 1.20	71.50 25.80
	B2 Block	Sqm	1	12.46		1.20	14.95
	B3 Block	Sqm	1	16.00		1.20	19.20
	B4 Block	Sqm	1	44.00		1.20	52.80
	Total Qty	Sqm			Total		267.05
	,	•					
7	KSRRB MS00-10 Painting new letter and figures of any shade with synthetic enamel paint black or any other approved colour to give an even shade complete as per specifications. ("ii) English and Roman - Hyphen and the like not to be measured and paid for" MORTH Specification No.801 (KSRRB 18-19,SI No.24.10)						
	Total Qty-Name Plate, Signages & School Entrance signages on	Cm	31	50.00			1550.00
<u></u>	wall		J 1	30.00			
		Cm			Total		1550.00
8	Cleaning RCC sump tanks and RCC overhead tanks with mechanical dewatering including removal of sludge, mud, dirt, algea etc and cleaning the wall surface of tanks using high pressure jet, vacuum cleaning and spraying anti bacterial treatment to the wall and ceiling surfaces and UV treatment, including removing of sludge etc, using suitable coconut broomstick, squeesers I wipers I rubber brushes, coir brushes, plastic buckets, mugs, dewatering using motor with portal arrangement, hose pipe etc., complete including all safety measures.						
						1	l.
	(KPWD 18-19,SI No.10.7)		4=0				4500
		L L	15000		Total		15000.00 15000.00

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
9	KSRB 15-18.3 : Providing and applying enamel metal paint one coat (excluding priming coat) on previously painted steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. PWD 18-19,SI No.15.75,Pg No 123			-			
	Entrance Gate	Sqm	1	2.70		2.00	5.40
	Door Grill	Sqm	1	2.28		3.00	6.84
	Total Qty	Sqm			Total		12.24
10	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 PWD 18-19,SI No.2.3,Pg No 6						
	DA Divil	0	4	00.00	0.00	0.45	0.44
	B1 Block B2 Block	Cum Cum	1	60.32 39.64	0.30	0.45 0.45	8.14 5.35
	B3 Block	Cum	1	43.06	0.30	0.45	5.81
	B4 Block	Cum	1	112.26	0.30	0.45	15.16
	B5 Block	Cum	1	19.75	0.30	0.45	2.67
	Entrance area	Cum	1	20.00	6.79	0.70	95.00
	RCC Covered Drain						
	SWD-0.3m Clear Width	Cum	1	48.53	0.80	0.84	32.61
	SWD - 0.45m Clear Width	Cum	1	63.89	0.95	1.00	60.39
	SWD Chamber	Cum	4	0.70	0.70	0.50	0.98
	UPVC Pipe	Cum	1	12.00	0.75	0.68	6.15
		Cum			Total		232.26
11	KSRB 4-1.6; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 ems. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2 PWD 18-19,SI No.4.6,Pg No 13						
	RCC Covered Drain						
-	PCC for Raft						
	SWD-0.3m Clear Width	Cum	1	48.53	0.80	0.10	3.88
	SWD - 0.45m Clear Width SWD Chamber	Cum Cum	4	63.89 0.70	0.95 0.70	0.10 0.10	6.07 0.20
	Entrance area	Cum	1	20.00	6.79	0.10	13.57
	Entranto di da	Odin	'	20.00	Total	0.10	23.72
12	KSRB 14.9-2 : Providing and laying M-15 cement concrete flooring 60 mm thick with metallic concrete hardner topping, under layer of 45mm thick M-15 cernent concrete using broken granite metal of 20mm and down size and top layer of 15mm thick metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volurne, with metalic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement= 1 part of metallic floor hardening compound of approved quality by wt), including finishing, cost of materials, labour, curing, complete as per specifications. Specification No. KBS 14.4 PWD 18-19,SI No.14.14						
		Sqm	1	20.00	6.79	1	105.71
	M15 Cement Concrete flooring for Entrance area	5000			n/u		135.71

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
13	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregates @ 0.47cum, with super plasticisers @ 3 liters conforming to IS 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedestrals, retaining walls, returnwalls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications.						
	PWD 18-19,SI No.4.10,Pg No 14						
	RCC Covered Drain Raft						
	SWD-0.3m Clear Width	Cum	1	48.53	0.50	0.15	3.64
	SWD - 0.45m Clear Width SWD Chamber	Cum Cum	1 4	63.89 0.50	0.65 0.50	0.15 0.10	6.23 0.10
	Side wall						
	SWD-0.3m Clear Width SWD - 0.45m Clear Width	Cum Cum	2	48.53 63.89	0.10 0.10	0.44 0.595	7.60
	SWD Chamber	Cum	4	1.20	0.10	0.393	0.14
	Covered Slab						
	SWD-0.3m Clear Width SWD - 0.45m Clear Width	Cum Cum	1	48.53 63.89	0.30 0.45	0.15 0.15	2.18 4.31
	300 - 0.45m Clear Width	Cum	<u>'</u>	03.09	0.43	0.13	28.47
14	Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete with all lead lifts and as per specifications and directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18				Kg/Cum		
	RCC Covered Drain						
	Raft	Kg	1	9.97	75		747.75
	Side wall Covered Slab	Kg Kg	<u>1</u> 1	12.01 6.49	75 75		900.75 486.75
		Kg					2135.25
		MT					2.14
15	Providing and removing,centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications PWD 18-19,SI No.4.28,Pg No 16 RCC Covered Drain						
	Raft side	0		40.50		0.45	44.50
	SWD-0.3m Clear Width SWD - 0.45m Clear Width	Sqm Sqm	2	48.53 63.89		0.15 0.15	14.56 19.17
	SWD Chamber	Sqm	4	2.00		0.10	0.80
	RCC Covered Drain Slab Bottom						
					0.20		14.56
	SWD-0.3m Clear Width	Sqm	1	48.53	0.30		
	SWD - 0.45m Clear Width	Sqm Sqm	1	48.53 63.89	0.30		28.75
	SWD - 0.45m Clear Width Slab side	Sqm	1	63.89		0.15	
	SWD - 0.45m Clear Width	Sqm Sqm Sqm				0.15 0.15	14.56 19.17
	SWD - 0.45m Clear Width Slab side SWD-0.3m Clear Width	Sqm Sqm	2	63.89 48.53			14.56
16	SWD - 0.45m Clear Width Slab side SWD-0.3m Clear Width	Sqm Sqm Sqm	2	63.89 48.53			14.56 19.17
16	SWD - 0.45m Clear Width Slab side SWD-0.3m Clear Width SWD - 0.45m Clear Width Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses plinth cills and string courses cost of all materials, labour complete as per specifications. PWD 18-19,SI No.4.31,Pg No 16 RCC Covered Drain Wall side	Sqm Sqm Sqm Sqm	2 2	63.89 48.53 63.89		0.15	14.56 19.17 111.57
16	SWD - 0.45m Clear Width Slab side SWD-0.3m Clear Width SWD - 0.45m Clear Width Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses plinth cills and string courses cost of all materials, labour complete as per specifications. PWD 18-19,SI No.4.31,Pg No 16 RCC Covered Drain Wall side SWD-0.3m Clear Width	Sqm Sqm Sqm Sqm	2 2	63.89 48.53 63.89 48.53		0.15	14.56 19.17 111.57
16	SWD - 0.45m Clear Width Slab side SWD-0.3m Clear Width SWD - 0.45m Clear Width Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses plinth cills and string courses cost of all materials, labour complete as per specifications. PWD 18-19,SI No.4.31,Pg No 16 RCC Covered Drain Wall side	Sqm Sqm Sqm Sqm	2 2	63.89 48.53 63.89		0.15	14.56 19.17 111.57

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
0111101	KSRRB M2200 - Providing Weep holes Providing weep holes in	-	11001	20119111	Dioddiii	Dop	quantity
	Brick masonry / Plain / Reinforced concrete abutment, wing wall /						
	return wall with 100mm dia AC pipe , extending through the full						
17	width of the structure with slope of 1V:20H towards drawing force complete as per drawing and Technical specifications complete						
	as per specifications.						
	PWD 18-19,SI No.28.10,Pg No 229						
	RCC Covered Drain						
	SWD Chamber	Nos	8.00				8.00
		Nos					8.00
	KSRB 2-4 : Refilling available earth around pipe lines, cables in						
	layers not exceeding 20cms in depth, compacting each deposited						
18	layer by ramming after watering with lead upto 50m. and lift upto						
10	1.5 m. including cost of all labour complete as per specifications.						
	PWD 18-19,SI No.2.11,Pg No 7						
	RCC Covered Drain						
	Total Excavated Qty	Cum	1				100.13
	PCC Qty	Cum	-1				-10.15
	RCC Qty UPVC Pipe 110mm Dia	Cum Cum	-1 -1	12.00	0.01		-28.47 -0.11
	or ve ripe i folilli bia	Cum	-1	12.00	0.01		61.40
	Providing and fixing unplasticised PVC pipes with working	-					
	pressure 10 kg/sq.cm with pipe fittings, clips, making good the floor, including cost of all materials, labour charges, HOM and						
19	testing complete as per specifications.						
	KSRB 18-19,Pg No.77,SI No.11.56.2						
	-						
	do- with 110mm outer dia						
	RCC Covered Drain	Rmt	1	12.00			12.00
		Rmt					12.00
	Providing & Fixing CI Grating (325 x 325mm) for road gully cover						
	including fixing the cover and CM 1:3 Plastering 20mm thick to all						
20	exposed faces curing for 90 days with all lead including cost of						
20	plastering but excluding cost of concrete etc,completete						
	(As Per EOI)						
	SWD Chamber	Each	4.00				4.00
	OVV B GHamber	Each	1.00				4.00
	KSRB 24-44 : Repairs to plaster in patches of 2.5 sqm and less in						
	walls, ceilings 10 to 20mm thick in cement mortar 1:4 including cutting the patches in proper shape and replastering the surface						
	of the wall including disposal of rubbish with a lead of 50m						
21	including curing cost of materials, labour, complete as per						
	specifications. Specification No.KBS 24.2.1						
	PWD 18-19,SI No.16.39,Pg No 133						
	B1 Block						
	Outside wall-GF	Sqm	1	60.32		3.45	208.10
	Parapet	Sqm	1	77.00		0.75	57.75
	Outside wall-FF	Sqm	1	52.26		3.00	156.78
	B2 Block Outside wall	Sqm	1	22.24		3.33	73.95
		Sqm	1	17.40		2.90	50.46
	B3 Block						
	Outside wall B4 Block	Sqm	1	43.06		3.55	152.86
	Outside wall	Sqm	1	112.26		4.75	533.24
	B5 Block	•					
	Outside wall	Sqm	1	10.00		2.65	26.50
		Sqm Sqm	1	3.30 6.45		1.60 1.05	5.28 6.77
		Sqm		0.10	Total	1.00	1271.69
	Total 40% Quantity	Sqm			Total		508.68
	Draviding and fiving Special make global Visited tiles (Consequent		-				
	Providing and fixing Special make glazed Vitrified tiles (Granomite finish) of approved make, quality and colour of size						
	minority of approvou make, quality and colour of SIZE						
	600x600x10mm thick fixed on existing flooring with a special roffe					-	
22	600x600x10mm thick fixed on existing flooring with a special roffe adhesive for flooring and skirting etc., complete including						
22	adhesive for flooring and skirting etc., complete including providing spears at required interval and removing stains etc.,						
22	adhesive for flooring and skirting etc., complete including						
22	adhesive for flooring and skirting etc., complete including providing spears at required interval and removing stains etc.,						

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	Skirting	Sqm	1	23.56	Di dadiii	0.15	3.53
	Block 1	Oqiii		20.00		0.10	0.00
	Corridor-GF	Sqm	1	23.70	1.50		35.55
	Skirting	Sqm	1	23.70		0.15	3.56
	Corridor-FF	Sqm	1	19.67	1.50		29.51
	Skirting	Sqm	1	19.67	0.00	0.15	2.95
	Class room -FF Skirting	Sqm Sqm	<u>1</u> 1	8.20 28.40	6.00	0.15	49.20 4.26
	Staircase Room-GF	Sqm	1	2.28	6.23	0.13	14.20
	Skirting	Sqm	1	14.74	0.20	0.15	2.21
	Corridor-FF	Sqm	1	4.03	7.96		32.08
	Skirting	Sqm	1	23.98		0.15	3.60
	Block 3						
	Class room	Sqm	2	7.50	5.50	0.45	82.50
	Skirting Corridor	Sqm Sqm	2 1	26.00 15.57	1.80	0.15	7.80 28.03
	Skirting	Sqm	1	15.57	1.00	0.15	2.34
	Block 4	0 q		10.01		00	
	Class Room	Sqm	1	6.33	5.72		36.21
	Skirting	Sqm	1	24.10		0.15	3.62
	Corridor	Sqm	1	41.83	2.00		83.66
	Skirting	Sqm	1	41.83	T-1-1	0.15	6.27
	Total Qty	Sqm			Total		465.74
23	Providing and laying of teak wooden polished flooring of 12mm thick, high density timber of approved colour and design with end trims, transition, profiles, beading, 15mm thick felt, and 20 micron polyester film with 4mm thick foam underlay etc., (P.No.113, I.No.14.70 of PWD SR 2018-19)						
	Block 4						
	Principal's Room	Sqm	1	6.08	5.72		34.78
		Sqm	1	23.60		0.15	3.54
	Total Qty	Sqm			Total		38.32
24	cement using colour pigment, including cost of materials, labour, curing, complete as per specifications for Ceramic Tiles of size 30x30cms 6mm thick.						
	PWD 18-19,SI No.14.36.2,Pg No.107 and 108						
	PWD 18-19,SI No.14.36.2,Pg No.107 and 108 B1 Block						
	B1 Block Library -GF	Sqm	1	12.30	6.00		73.80
	B1 Block Library -GF Skirting	Sqm	1	36.60		0.15	5.49
	B1 Block Library -GF Skirting Science Lab	Sqm Sqm	1	36.60 8.20	6.00		5.49 49.20
	B1 Block Library -GF Skirting Science Lab Skirting	Sqm Sqm Sqm	1 1 1	36.60 8.20 28.40	6.00	0.15 0.15	5.49 49.20 4.26
	B1 Block Library -GF Skirting Science Lab Skirting Art Craft & Library	Sqm Sqm Sqm Sqm	1	36.60 8.20 28.40 8.20		0.15	5.49 49.20 4.26 49.20
	B1 Block Library -GF Skirting Science Lab Skirting	Sqm Sqm Sqm	1 1 1	36.60 8.20 28.40	6.00		5.49 49.20 4.26
	B1 Block Library -GF Skirting Science Lab Skirting Art Craft & Library Skirting Block 2 Kitchen	Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1	36.60 8.20 28.40 8.20 28.40 5.70	6.00	0.15	5.49 49.20 4.26 49.20 4.26 25.65
	B1 Block Library -GF Skirting Science Lab Skirting Art Craft & Library Skirting Block 2 Kitchen Skirting	Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 1	36.60 8.20 28.40 8.20 28.40 5.70 20.40	6.00 6.00 4.50	0.15	5.49 49.20 4.26 49.20 4.26 25.65 3.06
	B1 Block Library -GF Skirting Science Lab Skirting Art Craft & Library Skirting Block 2 Kitchen Skirting Boys Toilet	Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 1 1	36.60 8.20 28.40 8.20 28.40 5.70 20.40 1.90	6.00	0.15 0.15 0.15	5.49 49.20 4.26 49.20 4.26 25.65 3.06 3.33
	B1 Block Library -GF Skirting Science Lab Skirting Art Craft & Library Skirting Block 2 Kitchen Skirting Boys Toilet Dadooing	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 1 1 1 2	36.60 8.20 28.40 8.20 28.40 5.70 20.40 1.90 3.65	6.00 6.00 4.50	0.15	5.49 49.20 4.26 49.20 4.26 25.65 3.06 3.33 14.60
	B1 Block Library -GF Skirting Science Lab Skirting Art Craft & Library Skirting Block 2 Kitchen Skirting Boys Toilet Dadooing Girls Toilet	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 1 1 1 2	36.60 8.20 28.40 8.20 28.40 5.70 20.40 1.90 3.65 2.90	6.00 6.00 4.50	0.15 0.15 0.15 2.00	5.49 49.20 4.26 49.20 4.26 25.65 3.06 3.33 14.60 5.08
	B1 Block Library -GF Skirting Science Lab Skirting Art Craft & Library Skirting Block 2 Kitchen Skirting Boys Toilet Dadooing	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 1 1 1 2	36.60 8.20 28.40 8.20 28.40 5.70 20.40 1.90 3.65	6.00 6.00 4.50	0.15 0.15 0.15	5.49 49.20 4.26 49.20 4.26 25.65 3.06 3.33 14.60
	B1 Block Library -GF Skirting Science Lab Skirting Art Craft & Library Skirting Block 2 Kitchen Skirting Boys Toilet Dadooing Girls Toilet Dadooing	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 1 1 1 2	36.60 8.20 28.40 8.20 28.40 5.70 20.40 1.90 3.65 2.90	6.00 6.00 4.50	0.15 0.15 0.15 2.00	5.49 49.20 4.26 49.20 4.26 25.65 3.06 3.33 14.60 5.08
	B1 Block Library -GF Skirting Science Lab Skirting Art Craft & Library Skirting Block 2 Kitchen Skirting Boys Toilet Dadooing Girls Toilet Dadooing Ded Door-D Ventilator	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 1 1 1 2 1 2	36.60 8.20 28.40 8.20 28.40 5.70 20.40 1.90 3.65 2.90 4.65	6.00 6.00 4.50	0.15 0.15 0.15 2.00 2.00	5.49 49.20 4.26 49.20 4.26 25.65 3.06 3.33 14.60 5.08
	B1 Block Library -GF Skirting Science Lab Skirting Art Craft & Library Skirting Block 2 Kitchen Skirting Boys Toilet Dadooing Girls Toilet Dadooing Ded Door-D Ventilator Block 4	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 1 1 1 2 1 2 -2 -5	36.60 8.20 28.40 8.20 28.40 5.70 20.40 1.90 3.65 2.90 4.65	6.00 6.00 4.50 1.75	0.15 0.15 0.15 2.00 2.00	5.49 49.20 4.26 49.20 4.26 25.65 3.06 3.33 14.60 5.08 18.60
	B1 Block Library -GF Skirting Science Lab Skirting Art Craft & Library Skirting Block 2 Kitchen Skirting Boys Toilet Dadooing Girls Toilet Dadooing Ded Door-D Ventilator Block 4 Sports Room	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 1 1 1 2 1 2 -2 -5	36.60 8.20 28.40 8.20 28.40 5.70 20.40 1.90 3.65 2.90 4.65	6.00 6.00 4.50	0.15 0.15 0.15 2.00 2.00 2.00 0.50	5.49 49.20 4.26 49.20 4.26 25.65 3.06 3.33 14.60 5.08 18.60 -1.50
	B1 Block Library -GF Skirting Science Lab Skirting Art Craft & Library Skirting Block 2 Kitchen Skirting Boy Toilet Dadooing Girls Toilet Dadooing Ded Door-D Ventilator Block 4 Sports Room Skirting	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 1 1 2 1 2 -2 -5	36.60 8.20 28.40 8.20 28.40 5.70 20.40 1.90 3.65 2.90 4.65 0.90 0.60	6.00 6.00 4.50 1.75 1.75	0.15 0.15 0.15 2.00 2.00	5.49 49.20 4.26 49.20 4.26 25.65 3.06 3.33 14.60 5.08 18.60 -1.50
	B1 Block Library -GF Skirting Science Lab Skirting Art Craft & Library Skirting Block 2 Kitchen Skirting Boys Toilet Dadooing Girls Toilet Dadooing Ded Door-D Ventilator Block 4 Sports Room Skirting Computer Lab	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 1 1 1 2 1 2 -2 -5	36.60 8.20 28.40 8.20 28.40 5.70 20.40 1.90 3.65 2.90 4.65 0.90 0.60 2.91 17.26 6.07	6.00 6.00 4.50 1.75	0.15 0.15 0.15 2.00 2.00 2.00 0.50	5.49 49.20 4.26 49.20 4.26 25.65 3.06 3.33 14.60 5.08 18.60 -1.50 16.65 2.59 34.72
	B1 Block Library -GF Skirting Science Lab Skirting Art Craft & Library Skirting Block 2 Kitchen Skirting Boy Toilet Dadooing Girls Toilet Dadooing Ded Door-D Ventilator Block 4 Sports Room Skirting	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 1 1 2 1 2 -2 -5	36.60 8.20 28.40 8.20 28.40 5.70 20.40 1.90 3.65 2.90 4.65 0.90 0.60	6.00 6.00 4.50 1.75 1.75	0.15 0.15 0.15 2.00 2.00 2.00 0.50	5.49 49.20 4.26 49.20 4.26 25.65 3.06 3.33 14.60 5.08 18.60 -1.50
	B1 Block Library -GF Skirting Science Lab Skirting Art Craft & Library Skirting Block 2 Kitchen Skirting Boys Toilet Dadooing Girls Toilet Dadooing Ded Door-D Ventilator Block 4 Sports Room Skirting Computer Lab Skirting Store Room Skirting	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 1 1 2 1 2 -5	36.60 8.20 28.40 8.20 28.40 5.70 20.40 1.90 3.65 2.90 4.65 0.90 0.60 2.91 17.26 6.07 23.58 2.07 10.32	6.00 6.00 4.50 1.75 1.75 5.72 5.72	0.15 0.15 0.15 2.00 2.00 2.00 0.50	5.49 49.20 4.26 49.20 4.26 25.65 3.06 3.33 14.60 5.08 18.60 -1.50 16.65 2.59 34.72 3.54 6.40 1.55
	B1 Block Library -GF Skirting Science Lab Skirting Art Craft & Library Skirting Block 2 Kitchen Skirting Boys Toilet Dadooing Girls Toilet Dadooing Ded Door-D Ventilator Block 4 Sports Room Skirting Computer Lab Skirting Store Room Skirting Store Room	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 1 1 2 1 2 -5	36.60 8.20 28.40 8.20 28.40 5.70 20.40 1.90 3.65 2.90 4.65 0.90 0.60 2.91 17.26 6.07 23.58 2.07 10.32 2.07	6.00 6.00 4.50 1.75 1.75	0.15 0.15 0.15 2.00 2.00 2.00 0.50 0.15 0.15	5.49 49.20 4.26 49.20 4.26 25.65 3.06 3.33 14.60 5.08 18.60 -1.50 16.65 2.59 34.72 3.54 6.40 1.55 4.97
	B1 Block Library -GF Skirting Science Lab Skirting Art Craft & Library Skirting Block 2 Kitchen Skirting Boys Toilet Dadooing Girls Toilet Dadooing Ded Door-D Ventilator Block 4 Sports Room Skirting Computer Lab Skirting Store Room Skirting	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 1 1 2 1 2 -2 -5	36.60 8.20 28.40 8.20 28.40 5.70 20.40 1.90 3.65 2.90 4.65 0.90 0.60 2.91 17.26 6.07 23.58 2.07 10.32 2.07 8.94	6.00 6.00 4.50 1.75 1.75 5.72 5.72 3.09	0.15 0.15 0.15 2.00 2.00 2.00 0.50 0.15	5.49 49.20 4.26 49.20 4.26 25.65 3.06 3.33 14.60 5.08 18.60 -1.50 16.65 2.59 34.72 3.54 6.40 1.55 4.97
	B1 Block Library -GF Skirting Science Lab Skirting Art Craft & Library Skirting Block 2 Kitchen Skirting Boys Toilet Dadooing Girls Toilet Dadooing Ded Door-D Ventilator Block 4 Sports Room Skirting Computer Lab Skirting Store Room Skirting Store Room Skirting Store Room Skirting Store Room Skirting Old Library	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 1 1 2 1 2 -2 -5	36.60 8.20 28.40 8.20 28.40 5.70 20.40 1.90 3.65 2.90 4.65 0.90 0.60 2.91 17.26 6.07 23.58 2.07 10.32 2.07 8.94 5.71	6.00 6.00 4.50 1.75 1.75 5.72 5.72	0.15 0.15 0.15 2.00 2.00 2.00 0.15 0.15 0.15 0.15	5.49 49.20 4.26 49.20 4.26 25.65 3.06 3.33 14.60 5.08 18.60 -1.50 16.65 2.59 34.72 3.54 6.40 1.55 4.97 1.34 32.66
	B1 Block Library -GF Skirting Science Lab Skirting Art Craft & Library Skirting Block 2 Kitchen Skirting Boys Toilet Dadooing Girls Toilet Dadooing Ded Door-D Ventilator Block 4 Sports Room Skirting Skirting Computer Lab Skirting Store Room Skirting Store Room Skirting Store Room Skirting Store Room Skirting Old Library Skirting	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 1 1 1 2 1 2 -2 -5	36.60 8.20 28.40 8.20 28.40 5.70 20.40 1.90 3.65 2.90 4.65 0.90 0.60 2.91 17.26 6.07 23.58 2.07 10.32 2.07 8.94 5.71 22.86	6.00 6.00 4.50 1.75 1.75 5.72 5.72 3.09 2.40	0.15 0.15 0.15 2.00 2.00 2.00 0.50 0.15 0.15	5.49 49.20 4.26 49.20 4.26 49.20 4.26 3.06 3.33 14.60 5.08 18.60 -1.50 16.65 2.59 34.72 3.54 6.40 1.55 4.97 1.34 32.66 3.43
	B1 Block Library -GF Skirting Science Lab Skirting Art Craft & Library Skirting Block 2 Kitchen Skirting Boys Toilet Dadooing Girls Toilet Dadooing Ded Door-D Ventilator Block 4 Sports Room Skirting Skirting Skirting Store Room Skirting	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 1 1 2 1 2 -2 -5	36.60 8.20 28.40 8.20 28.40 5.70 20.40 1.90 3.65 2.90 4.65 0.90 0.60 2.91 17.26 6.07 23.58 2.07 10.32 2.07 8.94 5.71 22.86 5.75	6.00 6.00 4.50 1.75 1.75 5.72 5.72 3.09	0.15 0.15 0.15 2.00 2.00 2.00 0.15 0.15 0.15 0.15 0.15	5.49 49.20 4.26 49.20 4.26 49.20 4.26 3.06 3.33 14.60 5.08 18.60 -1.50 16.65 2.59 34.72 3.54 6.40 1.55 4.97 1.34 32.66 3.43 72.45
	B1 Block Library -GF Skirting Science Lab Skirting Art Craft & Library Skirting Block 2 Kitchen Skirting Boys Toilet Dadooing Girls Toilet Dadooing Ded Door-D Ventilator Block 4 Sports Room Skirting Skirting Computer Lab Skirting Store Room Skirting Store Room Skirting Store Room Skirting Store Room Skirting Old Library Skirting	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 1 1 2 1 2 -2 -5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	36.60 8.20 28.40 8.20 28.40 5.70 20.40 1.90 3.65 2.90 4.65 0.90 0.60 2.91 17.26 6.07 23.58 2.07 10.32 2.07 8.94 5.71 22.86	6.00 6.00 4.50 1.75 1.75 5.72 5.72 3.09 2.40	0.15 0.15 0.15 2.00 2.00 2.00 0.15 0.15 0.15 0.15	5.49 49.20 4.26 49.20 4.26 49.20 4.26 3.06 3.33 14.60 5.08 18.60 -1.50 16.65 2.59 34.72 3.54 6.40 1.55 4.97 1.34 32.66 3.43
	B1 Block Library -GF Skirting Science Lab Skirting Art Craft & Library Skirting Block 2 Kitchen Skirting Boys Toilet Dadooing Girls Toilet Dadooing Obed Door-D Ventilator Block 4 Sports Room Skirting Computer Lab Skirting Store Room Skirting Store Room Skirting Old Library Skirting Hall Skirting	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 1 1 2 1 2 -2 -5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	36.60 8.20 28.40 8.20 28.40 5.70 20.40 1.90 3.65 2.90 4.65 0.90 0.60 2.91 17.26 6.07 23.58 2.07 10.32 2.07 8.94 5.71 22.86 5.75 36.70	6.00 6.00 4.50 1.75 1.75 5.72 5.72 3.09 2.40	0.15 0.15 0.15 2.00 2.00 2.00 0.15 0.15 0.15 0.15 0.15	5.49 49.20 4.26 49.20 4.26 25.65 3.06 3.33 14.60 5.08 18.60 -1.50 16.65 2.59 34.72 3.54 6.40 1.55 4.97 1.34 32.66 3.43 72.45 5.51
	B1 Block Library -GF Skirting Science Lab Skirting Art Craft & Library Skirting Block 2 Kitchen Skirting Boys Toilet Dadooing Girls Toilet Dadooing Ded Door-D Ventilator Block 4 Sports Room Skirting Computer Lab Skirting Store Room Skirting Store Room Skirting Store Room Skirting Store Room Skirting Store Room Skirting Store Room Skirting Store Room Skirting Store Room Skirting Store Room Skirting Store Room Skirting Store Room Skirting Store Room Skirting Store Room Skirting Store Room Skirting	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 1 1 1 2 1 2 -5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	36.60 8.20 28.40 8.20 28.40 8.20 28.40 5.70 20.40 1.90 3.65 2.90 4.65 0.90 0.60 2.91 17.26 6.07 23.58 2.07 10.32 2.07 8.94 5.71 22.86 5.75 36.70 2.87 4.41	6.00 6.00 4.50 1.75 1.75 5.72 5.72 5.72 3.09 2.40 5.72 12.60	0.15 0.15 0.15 2.00 2.00 2.00 0.15 0.15 0.15 0.15 0.15	5.49 49.20 4.26 49.20 4.26 25.65 3.06 3.33 14.60 5.08 18.60 -1.50 16.65 2.59 34.72 3.54 6.40 1.55 4.97 1.34 32.66 3.43 72.45 5.51
	B1 Block Library -GF Skirting Science Lab Skirting Art Craft & Library Skirting Block 2 Kitchen Skirting Boys Toilet Dadooing Girls Toilet Dadooing Ded Door-D Ventilator Block 4 Sports Room Skirting Computer Lab Skirting Store Room Skirting Store Room Skirting Old Library Skirting Clibrary Skirting Skirting Skirting Store Room Skirting Skirting Skirting Skirting Skirting Skirting Skirting Skirting Skirting Skirting Skirting Skirting Skirting Skirting Skirting	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 1 1 2 1 2 -2 -5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	36.60 8.20 28.40 8.20 28.40 5.70 20.40 1.90 3.65 2.90 4.65 0.90 0.60 2.91 17.26 6.07 23.58 2.07 10.32 2.07 8.94 5.71 22.86 5.75 36.70	6.00 6.00 4.50 1.75 1.75 5.72 5.72 5.72 2.40 5.72	0.15 0.15 0.15 2.00 2.00 2.00 0.15 0.15 0.15 0.15 0.15 0.15 0.15	5.49 49.20 4.26 49.20 4.26 25.65 3.06 3.33 14.60 5.08 18.60 -1.50 16.65 2.59 34.72 3.54 6.40 1.55 4.97 1.34 32.66 3.43 72.45 5.51

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	Ventilator	Sqm	-4	0.60	0.60		-1.44
	Total Qty	Sqm	-	0.00	Total		464.81
	Providing and laying pattern flooring for staircase treads and						
	risers using the combination of 20mm thick ruby red granite @						
	66%,20 mm thick grey granite @ 20%, 20mm thick, 20mm thick black granite 14%. The granite materials are laid on existing bed						
25	of CM 1:3 20mm thick pointed with colour pigment, including full						
23	rounding for nosing, flaming the ruby red granite for 50 mm wide						
	curing etc., complete as per specification. (P.No. 109, I.No. 14.46						
	of PWD SR 2018-19)						
	,						
	B1 Block						
	Entry Step Tread	Sqm	2	1.20	0.30		0.72
	Entry Step Riser	Sqm	3	1.20		0.15	0.54
	Ramp	Sqm	1	5.80	1.20		6.96
	Staircase GF-FF -Tread Staircase GF-FF -Riser	Sqm Sqm	22 24	1.00 1.00	0.30	0.15	6.60 3.60
	Landing	Sqm	1	2.28	1.00	0.15	2.28
	Skirting	Sqm	1	4.28	1.00	0.15	0.64
	B4 Block	Oqiii		7.20		0.10	0.04
	Entry Step Tread	Sqm	3	2.00	0.30		1.80
	Entry Step Riser	Sqm	4	2.00		0.15	1.20
	Total Qty	Sqm			Total		24.34
		<u> </u>					·
25	Repairing door and window frames with available wood to the						
26	required size.						
	PWD 18-19,SI No.37.12,Pg No 267						
	B1 Block Door-D1	Sqm	6	1.20	+	2.10	15.00
	Window-W	Sqm	20	1.35	 	1.35	36.00
	B2 Block	Oqiii	20	1.00		1.00	00.00
	Door-D	Sqm	3	0.90		2.00	5.00
	Window-W	Sqm	3	0.90		1.20	3.00
	B3 Block						
	Door-D	Sqm	2	1.20		2.10	5.00
	B4 Block						
	Door-D	Sqm	8	1.00		2.10	17.00
	Door-D1	Sqm	2	0.87		2.10	4.00
	Window-W B5 Block	Sqm	21	1.50		1.50	47.00
	Door-D	Sqm	2	1.00		2.10	4.00
	2001 2	Sqm		1.00	Total	2.10	136.00
	Total 80% Quantity	Sqm			Total		108.80
	,	•					
27	Repairing and fixing shutters (panelled or glazed) to doors, windows, ventilators and cupboards. PWD 18-19,SI No.37.13,Pg No.267						
	B1 Block						
	Door-D1	Sqm	6	1.20		2.10	15.00
	Window-W	Sqm	20	1.35		1.35	36.00
	B2 Block Door-D	Sqm	3	0.90		2.00	5.00
	Window-W	Sqm	3	0.90		1.20	3.00
	B3 Block	Oqiii		0.50		1.20	0.00
	Door-D	Sqm	2	1.20	1	2.10	5.00
	B4 Block						
	Door-D	Sqm	8	1.00		2.10	17.00
	Door-D1	Sqm	2	0.87	ļ	2.10	4.00
	Window-W	Sqm	21	1.50	ļ	1.50	47.00
	B5 Block	C	_	4.00	1	0.10	4.00
	Door-D	Sqm	2	1.00	-	2.10	4.00 136.00
	Total 80% Quantity	Sqm			Total		108.80
	Total 00 /0 Quantity	Oqiii			Total		100.00
28	KSRB 15-15.1: Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - do- with primer PWD 18-19,SI No.15.51.2,Pg No.119						
	Block 1	-					
	Class room -FF	Sqm	2	14.20		3.00	85.00
	Staircase Room-GF	Sqm	4	8.51		3.00	102.00
	Library -GF Science Lab	Sqm Sqm	2	18.30 14.20	-	3.00 3.00	110.00 85.00
	Art Craft & Library	Sqm	2	14.20	1	3.00	85.00 85.00
	, at Grait a Library	Oqiii		17.20	İ.	5.00	00.00

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	Ded						
	Door-D1	Sqm	-6	1.20		2.10	-15.00
	Window-W	Sqm	-20	1.35		1.35	-36.00
	Door Grill	Sqm	-1 -1	2.28		3.00	-7.00 -7.00
	Opening Ceiling	Sqm	-1	2.28		3.00	-7.00
	GF	Sqm	1	21.00	6.00		126.00
	FF	Sqm	1	19.20	6.00		115.00
	Waist Slab	Sqm	4	3.60	1.00		14.00
	Block 2						
	Kitchen	Sqm	2	10.20		2.88	59.00
	Boys Toilet	Sqm	2	3.65		2.50	18.00
	Girls Toilet	Sqm	2	4.65		2.50	23.25
	Door-D	C	2	0.00		0.00	5.00
	Window-W	Sqm Sqm	-3 -3	0.90 0.90		2.00 1.20	-5.00 -3.00
	Ventilator-V	Sqm	-5 -5	0.60		0.50	-2.00
	Ceiling-Kitchen	Sqm	1	5.70	4.50	0.00	26.00
	Block 3						
	Class room	Sqm	4	13.00		3.38	176.00
	Ded						
	Door-D	Sqm	-2	1.20		2.10	-5.00
	Window-W	Sqm	-6	1.50		1.50	-14.00
	Ceiling	Sqm	1	15.11	5.50		83.00
	Block 4	C	_	44.70	1	4.00	400.00
	Staff Room	Sqm	2	11.78 12.05		4.23	100.00
	Class Room Principal's Room	Sqm Sqm	2	12.05	 	4.23 4.23	102.00 100.00
	Sports Room	Sqm	2	8.63		4.23	73.00
	Computer Lab	Sqm	2	11.79		4.23	100.00
	Store Room	Sqm	2	5.16		4.23	44.00
	Store Room	Sqm	2	4.47		4.23	38.00
	Old Library	Sqm	2	11.43		4.23	97.00
	Hall	Sqm	2	18.35		4.23	155.00
	Ded					2.12	
	Door-D	Sqm Sqm	-8 -2	1.00 0.86		2.10 2.10	-17.00 -4.00
	Door-D1 Window-W	Sqm	-2 -21	1.50		1.50	-4.00 -47.00
	Sliding Window-SW	Sqm	-21 -1	1.20		1.50	-47.00
	Ventilator-V	Sqm	-4	1.20		0.57	-3.00
	Block 5						
	Toilet	Sqm	2	4.41		0.40	4.00
	Toilet	Sqm	2	2.11		0.40	2.00
	Ded						
	Door-D	Sqm	-2	1.00		2.10	
	Ventilator-V	Sqm	-4	0.60		0.60	-1.00
_	Ceiling Toilet	Cam	4	2.07	1.54		4.00
	Toilet	Sqm Sqm	1	2.87 1.04	1.54 1,07		4.00 1.00
	Total Quantity	Sqm	!	1.04	Total		1755.25
	Total Quantity	Oqiii			Total		1733.23
29	Supplying and fixing new Mangalore tiles on existing reepers. PWD 18-19,SI No.37.9,Pg No.267						
	Block 4	Sqm	1		1		516.20
		Sqm			Total		516.20
	Total 60% Quantity	Sqm					309.72
	- Common						
30	KSRB 8.4: Providing and fixing Mangalore tile roofing using first class tiles with necessary special tiles for ridges and hips, wood reepers and pointed with cement mortar 1:4 over the existing rafters including cost of materials, labour, curing complete as per specifications. Specification No. KBS 8.17KSRB 8.4-2: do- Nandi wood reepers of size 50x25mm PWD 18-19,SI No.8.11						
	Block 4	Sqm	1		1		516.20
		Sqm			Total		516.20
	Total 40% Quantity	Sqm					206.48
							_
	Removing and fixing old Mangalore ridge tiles including pointing with C.M. 1:3. PWD 18-19,SI No.37.10,Pg No.267						
	Block 4	Rmt	1	59.60	1		59.60
		Rmt			Total		59.60
'		Rmt		+			

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
32	KSRB 15-17.19: Providing and applying painting one coat (excluding priming coat) on previously painted wood surface and / or wood based surface with black japan paint to give an even shade after cleaning the surface of all dirt, dust and foreign matter, including cost of materials, labour, complete as per specifications.						
	PWD 18-19,SI No.15.71,Pg No.123						
	Block 1		_				
	Door-D1 Window-W	Sqm Sqm	6 20	1.20 1.35		2.10 1.35	15.12 36.45
	Block 2	Sqiii	20	1.33		1.33	30.43
	Door-D	Sqm	3	0.90		2.00	5.40
	Window-W	Sqm	3	0.90		1.20	3.24
	Block 3		_				
	Door-D	Sqm	2	1.20		2.10	5.04
	Block 4						
	Door-D	Sqm	8	1.00		2.10	16.80
	Door-D1	Sqm	2	0.86		2.10	3.61
	Window-W	Sqm	21	1.50		1.50	47.25
	Block 5						
	Door-D	Sqm	2	1.00	Tatal	2.10	4.20
		Sqm			Total		137.11
33	coat) on previously painted wood surface and / or wood based surface with black japan paint to give an even shade after cleaning the surface of all dirt, dust and foreign matter, including cost of materials, labour, complete as per specifications. PWD 18-19,SI No.15.72,Pg No.123						
	Block 1						
	Door-D1	Sqm	6	1.20		2.10	15.12
	Window-W	Sqm	20	1.35		1.35	36.45
	Block 2						
	Door-D	Sqm	3	0.90		2.00	5.40
	Window-W	Sqm	3	0.90		1.20	3.24
	Block 3						
	Door-D	Sqm	2	1.20		2.10	5.04
	Block 4	Sqm	0	0.00		0.00	0.00
	Door-D	Sqm	8	1.00		2.10	16.80
	Door-D1 Window-W	Sqm Sqm	21	0.86 1.50		2.10 1.50	3.61 47.25
	Block 5	Sqiii	21	1.50		1.50	41.23
	Door-D	Sqm	2	1.00		2.10	4.20
	2001 2	Sqm		1.00	Total	2.10	137.11
							-
34	Providing and laying non - asbestos high impact ploypropylene reinforced corrugated cement roofing sheet reinforced with Other colours and with a blend of strong factory made fibre as per IS:14871 and IS:9933:1995 (E) roofing upto any pitch and fixing with polymer coated J or L hooks, bolts and nuts 8mm dia, G I plain and bitumen washers or with self drilling fastener and EPDM washers ete. complete but excluding the cost of purlins, refters and trusses. including cutting to size and shape of corrugated sheets wherever required. and cost of materials, labour, complete as per specifications. PWD 18-19,SI No.8.31.2,Pg No 51						
	Toilet	Sqm	1.00	2.20	6.4		14.08
· <u> </u>		Sqm			Total		14.08

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
35	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification PWD 18-19,SI No.10.5.1,Pg No 69						
	D4 DL	0	4	00.00		0.45	07.14
	B1 Block Rcc Slab	Sqm Sqm	1	60.32 19.85	8.50	0.45	27.14 168.73
	B2 Block	Sqm	1	39.64	0.50	0.45	17.84
	Rcc Slab	Sqm	1	6.36	5.16		32.82
	B3 Block	Sqm	1	43.06		0.45	19.38
	Rcc Slab B4 Block	Sqm Sqm	1	15.75 112.26	7.86	0.45	123.80 50.52
	B5 Block	Sqm	1	19.75		0.45	8.89
	Rcc Slab	Sqm	1	10.00	Area	0.10	10.00
		Sqm			Total		459.12
36	KSRRB M300- Planting and Maintaining of Flowering Plants and Shrubs KSRRB M300- 8.1. Planting and Maintaining of Flowering Plants and Shrubs - A) Planting flowring plants and shrubs in central verge MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149	Dest	1.00	455.00			455.00
	Total Area	Rmt Rmt	1.00	155.00	Total		155.00 155.00
	Total Qty	Kilit			Total		155.00
37	Providing and laying heavy duty Tactile Tiles (Direction and Stop tiles-300 x 300 mm) 60mm thick and Yellow in colour , using cement and course sand for manufacture of blocks of approved size, shape with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. (As Per EOI)						
	Near Toilet Area	Sqm	1.00	14.00	4.64		65.00
	Near to Flag pole	Sqm	1.00	24.00 12.50	1.50 8.00		36.00 100.00
	Flag Pole Front side Front of Library Building	Sqm Sqm	1.00	12.50	6.00		72.00
	Entrance Side	Sqm	1.00	32.67	1.50		49.00
	Entrance Side	Sqm	1.00	9.00	1.00		9.00
	Total Qty	Sqm					331.00
	Total Qty 20%	Sqm			Total		66.20
38	Providing and laying artline grass pavers or equivqlent block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge. (Non SOR)						
	Right & Back Side of Compound wall	Sqm	1.00	60.00	1.00		60.00
	Left & Front side of compound wall	Sqm	1.00	45.00	1.00		45.00
	Left school side	Sqm	1.00	29.33	3.00		88.00
							193.00
	Total Qty 100%	Sqm		i .	Total	i .	193.00

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
39	Providing and fixing Vitrified glazed tiles of approved make, quality & colour of size 900 x 900 x 12mm thick fixed on bed of 12mm thick cement mortar for flooring, skirting and JOinted with neat cement slurry mixed with pigment to mach shade of tiles, including providing spacers at required interval and removing stains, including cost of all mateirals, mortar, labour, etc., Complete as per specification. (KPWD 18-19,SI.No.14.45.1)						
	Total Qty- SI No.37	Sqm	1.00	331.00	Area		331.00
	Total 80% Qty	Sqm			Total		264.80
40	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete. do- of size 450 x 150 x 400 mm (KSRRB 18-19,Pg No.27,SI No.5.29.1)						
	Total Qty for 1 Kerb Stone	Cum	1.00	0.45	0.33	0.40	0.06
	Total Qty	Rmt	1.00	41.00			41.00
	Total Qty	No			Total		91.00
41	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 (KSRB 18-19,SI No.24.15)						
	Entrance Area	Sqm	3.00	20.00	0.15		9.00
	Total Qty	Sqm			Total		9.00

Executive Engineer MSCL Mangaluru

GM Technical MSCL Mangaluru

MANGALURU SMART CITY 1.4 Rate Analysis of E-SMART SCHOOL

RATE ANALYSIS - GHS HoigeBazar

	periphery of the area cleaned complete as pe	. оросиноскиот по техни оро		
1	PWD 18-19,Page No 138,SI No.18.10)			
	Basic rate		25755	
	Sub Total		25755	
	Add 10% For area weightage		2575.50	
	Total	Rate	28330.50	
				1
2	KSRB 24-9 : Cleaning and washing of stone r labour, complete as per specifications. Specif (Page No 130,Sl No : 16.4)		ic acid including o	cost of materia
	Basic rate		5.00	
	Sub Total		5.00	
	Add 10% For area weightage		0.50	
	Total	Rate	5.50	Sqm
3	IS.3N/ITIMIZ TOLI SATURATED DIV SAMDIES.FOR SUDO	or otructure in ONA 4.0 / O	ant 15 Lac/1/01	
	(KPWD 18-19,Page No 384,SI No : 42.5.3)	er structure in CM 1:6 (Cem	ent 45 kgs/M3)	
	(KPWD 18-19,Page No 384,SI No : 42.5.3)	er structure in CM 1:6 (Cem		Γ
	·	er structure in CM 1:6 (Cem	3391	
	(KPWD 18-19,Page No 384,SI No : 42.5.3) Basic rate Sub Total	er structure in CM 1:6 (Cem		
	(KPWD 18-19,Page No 384,SI No : 42.5.3) Basic rate	er structure in CM 1:6 (Cem	3391 3391	
4	(KPWD 18-19,Page No 384,SI No : 42.5.3) Basic rate Sub Total Add 10% For area weightage	Rate plaster in single coat with cer orners wherever required smo	3391 339.10 3730.10 ment mortar 1:4, tooth rendering, :	o stone masor Providing and
4	(KPWD 18-19,Page No 384,SI No : 42.5.3) Basic rate Sub Total Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cement and concrete surface including rounding off cremoving scaffolding, including cost of materi	Rate plaster in single coat with cer orners wherever required smo	3391 339.10 3730.10 ment mortar 1:4, tooth rendering, :	o stone masor Providing and ons.
4	(KPWD 18-19,Page No 384,SI No : 42.5.3) Basic rate Sub Total Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cement and concrete surface including rounding off cremoving scaffolding, including cost of materi PWD 18-19,SI No.15.19,Pg No 116	Rate plaster in single coat with cer orners wherever required smo	3391 339.10 3730.10 ment mortar 1:4, tooth rendering, : las per specification	cum o stone masor Providing and ons.
4	(KPWD 18-19,Page No 384,SI No : 42.5.3) Basic rate Sub Total Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cement and concrete surface including rounding off cremoving scaffolding, including cost of materi PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage	Rate plaster in single coat with cer orners wherever required smo als, labour, curing complete a	3391 339.10 3730.10 3730.10 ment mortar 1:4, tooth rendering, : las per specification 273 273 27.30	o stone masor Providing and ens.
4	(KPWD 18-19,Page No 384,SI No : 42.5.3) Basic rate Sub Total Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cement and concrete surface including rounding off cremoving scaffolding, including cost of materi PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total	Rate plaster in single coat with cer orners wherever required smo	3391 339.10 3730.10 ment mortar 1:4, tooth rendering, : loss per specification	o stone masor Providing and ens.
5	(KPWD 18-19,Page No 384,SI No : 42.5.3) Basic rate Sub Total Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cement and concrete surface including rounding off cremoving scaffolding, including cost of materi PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1 : Providing and finishing extern brand and shade to give an even shade after powdered material, free from mortar drops an per specifications do - with Primer Basic Rate	Rate plaster in single coat with cer orners wherever required smalls, labour, curing complete a Rate nal walls in two coats with wat throughly brooming the surface	3391 339.10 3730.10 3730.10 ment mortar 1:4, tooth rendering, : las per specification 273 273 27.30 300.30 terproof cement poe to remove all of materials, labour	cum o stone masor Providing and ons. Sqm Paint of approve dirt and loose or, complete as
	(KPWD 18-19,Page No 384,SI No : 42.5.3) Basic rate Sub Total Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cement and concrete surface including rounding off or removing scaffolding, including cost of materi PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1 : Providing and finishing extern brand and shade to give an even shade after powdered material, free from mortar drops an per specifications do - with Primer	Rate plaster in single coat with cer orners wherever required smalls, labour, curing complete a Rate nal walls in two coats with wat throughly brooming the surface	3391 339.10 3730.10 ment mortar 1:4, tooth rendering, : las per specification 273 273 27.30 300.30 terproof cement pose to remove all of materials, labour	cum o stone masor Providing and ons. Sqm aint of approve dirt and loose r, complete as

	Providing external walls with texture finish us	ing approved brand baint. Appli	ed uniformiv in 1	
	over one coat of primer including cost of all m	•	•	
6	unloading, all lead and lift and all other incider	ntal charges including scaffoldin	g and removing	stains,
	complete as per specifications.			
	(KPWD 18-19,SI No.15.103)			
	Basic Rate		340.00	
	Sub Total		340	
	Add 10% For Area weightage		34.00	
	Total	Rate	374.00	Sqm
			•	•
	KSRRB MS00-10 Painting new letter and fig	ures of any shade with synthetic	enamel paint b	lack or any
	other approved colour to give an even shade			
7	Hyphen and the like not to be measured and	paid for"		
	MORTH Specification No.801			
	(KSRRB 18-19,SI No.24.10)			
	Basic Rate		0.70	
	Sub Total		0.7	
	Add 10% For Area weightage		0.07	
	Total	Rate	0.77	Cm
8	of sludge etc, using suitable coconut broomst plastic buckets, mugs, dewatering using motor			
	all safety measures.	or mar portar arrangement, nee	о р.ро око., оо	ipiete iricidairig
	all safety measures. (KPWD 18-19,SI No.10.7)	I I	· · ·	ipiete ilicidaling
	all safety measures. (KPWD 18-19,SI No.10.7) Basic Rate	- man portan amangomont, moo	0.35	ipiete ilicidalită
	all safety measures. (KPWD 18-19,SI No.10.7) Basic Rate Sub Total	armangement, nee	0.35 0.35	ipiete ilicidalită
	all safety measures. (KPWD 18-19,SI No.10.7) Basic Rate Sub Total Add 10% For Area weightage		0.35 0.35 0.04	
	all safety measures. (KPWD 18-19,SI No.10.7) Basic Rate Sub Total	Rate	0.35 0.35	
9	all safety measures. (KPWD 18-19,SI No.10.7) Basic Rate Sub Total Add 10% For Area weightage	Rate el metal paint one coat (excludir to give an even shade after clea	0.35 0.35 0.04 0.39 I	L) on previously
9	all safety measures. (KPWD 18-19,SI No.10.7) Basic Rate Sub Total Add 10% For Area weightage Total KSRB 15-18.3 : Providing and applying enam painted steel or other metal surface brushing foreign matter, including cost of materials, lab	Rate el metal paint one coat (excludir to give an even shade after clea	0.35 0.35 0.04 0.39 I	L) on previously
9	all safety measures. (KPWD 18-19,SI No.10.7) Basic Rate Sub Total Add 10% For Area weightage Total KSRB 15-18.3 : Providing and applying enam painted steel or other metal surface brushing foreign matter, including cost of materials, lab PWD 18-19,SI No.15.75,Pg No 123	Rate el metal paint one coat (excludir to give an even shade after clea	0.35 0.35 0.04 0.39 I	L) on previously
9	all safety measures. (KPWD 18-19,SI No.10.7) Basic Rate Sub Total Add 10% For Area weightage Total KSRB 15-18.3 : Providing and applying enam painted steel or other metal surface brushing foreign matter, including cost of materials, lab PWD 18-19,SI No.15.75,Pg No 123 Basic Rate	Rate el metal paint one coat (excludir to give an even shade after clea	0.35 0.35 0.04 0.39 In a priming coat aning oil, grease ons.	L) on previously
9	all safety measures. (KPWD 18-19,SI No.10.7) Basic Rate Sub Total Add 10% For Area weightage Total KSRB 15-18.3 : Providing and applying enampainted steel or other metal surface brushing foreign matter, including cost of materials, lab PWD 18-19,SI No.15.75,Pg No 123 Basic Rate Sub Total	Rate el metal paint one coat (excludir to give an even shade after clea	0.35 0.35 0.04 0.39 I ng priming coat aning oil, grease ons. 61.00 61	L) on previously e, dirt and othe
9	all safety measures. (KPWD 18-19,SI No.10.7) Basic Rate Sub Total Add 10% For Area weightage Total KSRB 15-18.3 : Providing and applying enam painted steel or other metal surface brushing foreign matter, including cost of materials, lab PWD 18-19,SI No.15.75,Pg No 123 Basic Rate Sub Total Add 10% For Area weightage	Rate el metal paint one coat (excludir to give an even shade after clea our, complete as per specification	0.35 0.35 0.04 0.39 I ng priming coat aning oil, grease ons. 61.00 61 6.10	L) on previously e, dirt and othe
9	all safety measures. (KPWD 18-19,SI No.10.7) Basic Rate Sub Total Add 10% For Area weightage Total KSRB 15-18.3 : Providing and applying enampainted steel or other metal surface brushing foreign matter, including cost of materials, laber PWD 18-19,SI No.15.75,Pg No 123 Basic Rate Sub Total Add 10% For Area weightage Total KSRB 2-2.1 : Earthwork excavation for foundation of the conduits either in pits or in trenches 1.5m and including dressing the bottom and sides of pit of excavation with lead upto 50 m. after break KBS 2.1(a) / 2.3.5	Rate el metal paint one coat (excludir to give an even shade after cleasour, complete as per specification of buildings, water supply, a labove in width, in ordinary soil s and trenches, stacking the exception of the state of	0.35 0.35 0.04 0.39 I ong priming coat aning oil, grease ons. 61.00 61 6.10 67.10 I sanitary lines a not exceeding cavated soil clear	L) on previously on dirt and other square electrical 1.5 m. in deptar from edges
	all safety measures. (KPWD 18-19,SI No.10.7) Basic Rate Sub Total Add 10% For Area weightage Total KSRB 15-18.3 : Providing and applying enampainted steel or other metal surface brushing foreign matter, including cost of materials, label PWD 18-19,SI No.15.75,Pg No 123 Basic Rate Sub Total Add 10% For Area weightage Total KSRB 2-2.1 : Earthwork excavation for foundation conduits either in pits or in trenches 1.5m and including dressing the bottom and sides of pit of excavation with lead upto 50 m. after break KBS 2.1(a) / 2.3.5 PWD 18-19,SI No.2.3,Pg No 6	Rate el metal paint one coat (excludir to give an even shade after cleasour, complete as per specification of buildings, water supply, a labove in width, in ordinary soil s and trenches, stacking the exception of the state of	0.35 0.35 0.04 0.39 I ong priming coat aning oil, grease ons. 61.00 61 6.10 67.10 I sanitary lines a not exceeding cavated soil clear ecifications. specifications.	Control of the state of the sta
	all safety measures. (KPWD 18-19,SI No.10.7) Basic Rate Sub Total Add 10% For Area weightage Total KSRB 15-18.3 : Providing and applying enampainted steel or other metal surface brushing foreign matter, including cost of materials, laber PWD 18-19,SI No.15.75,Pg No 123 Basic Rate Sub Total Add 10% For Area weightage Total KSRB 2-2.1 : Earthwork excavation for foundation of the conduits either in pits or in trenches 1.5m and including dressing the bottom and sides of pit of excavation with lead upto 50 m. after break KBS 2.1(a) / 2.3.5 PWD 18-19,SI No.2.3,Pg No 6 Basic Rate	Rate el metal paint one coat (excludir to give an even shade after cleasour, complete as per specification of buildings, water supply, a labove in width, in ordinary soil s and trenches, stacking the exception of the state of	0.35 0.35 0.04 0.39 I ong priming coat aning oil, grease ons. 61.00 61 6.10 67.10 I sanitary lines a not exceeding cavated soil clear ecifications. specifications. specifications.	Control of the state of the sta
	all safety measures. (KPWD 18-19,SI No.10.7) Basic Rate Sub Total Add 10% For Area weightage Total KSRB 15-18.3 : Providing and applying enampainted steel or other metal surface brushing foreign matter, including cost of materials, labe PWD 18-19,SI No.15.75,Pg No 123 Basic Rate Sub Total KSRB 2-2.1 : Earthwork excavation for foundational conduits either in pits or in trenches 1.5m and including dressing the bottom and sides of pit of excavation with lead upto 50 m. after break KBS 2.1(a) / 2.3.5 PWD 18-19,SI No.2.3,Pg No 6 Basic Rate Sub Total	Rate el metal paint one coat (excludir to give an even shade after cleasour, complete as per specification of buildings, water supply, a labove in width, in ordinary soil s and trenches, stacking the exception of the state of	0.35 0.35 0.04 0.39 I ong priming coat aning oil, grease ons. 61.00 61 6.10 67.10 i sanitary lines a not exceeding cavated soil clear ecifications. specifications. specifications. specifications. 299.00 299	L) on previously e, dirt and other Sqm Ind electrical 1.5 m. in deptler from edges
	all safety measures. (KPWD 18-19,SI No.10.7) Basic Rate Sub Total Add 10% For Area weightage Total KSRB 15-18.3 : Providing and applying enampainted steel or other metal surface brushing foreign matter, including cost of materials, laber PWD 18-19,SI No.15.75,Pg No 123 Basic Rate Sub Total Add 10% For Area weightage Total KSRB 2-2.1 : Earthwork excavation for foundation of the conduits either in pits or in trenches 1.5m and including dressing the bottom and sides of pit of excavation with lead upto 50 m. after break KBS 2.1(a) / 2.3.5 PWD 18-19,SI No.2.3,Pg No 6 Basic Rate	Rate el metal paint one coat (excludir to give an even shade after cleasour, complete as per specification of buildings, water supply, a labove in width, in ordinary soil s and trenches, stacking the exception of the state of	0.35 0.35 0.04 0.39 I ong priming coat aning oil, grease ons. 61.00 61 6.10 67.10 I sanitary lines a not exceeding cavated soil clear ecifications. specifications. specifications.	Sqm Ind electrical 1.5 m. in deptler from edges ecification. No.

				7) 7/111kas With
	KSRB 4-1.6; Providing and laying in position plain cem			•
	20mm and down size graded granite metal coarse agg	•		•
11	0.53cum, machine mixed, concrete laid in layers not ex	_	•	
• •	foundation, plinth and cills, including cost of all materia	is, labour, HOIVI curin	ig complete as p	er
	specifications. Specification No. KBS 4.1, 4.2			
	PWD 18-19,SI No.4.6,Pg No 13			
	Basic Rate		5900.00	
	Sub Total		5900	
	add 10% For Area weightage		590.00	
	Total	Rate	6490.00	
12	KSRB 14.9-2: Providing and laying M-15 cement conc hardner topping, under layer of 45mm thick M-15 cern down size and top layer of 15mm thick metallic cement mix: 2 granite metal 10mm nominal size) by volurne, mix in the ratio of 4:1 (4 part of cement= 1 part of meta wt), including finishing, cost of materials, labour, curing KBS 14.4	ent concrete using br hardner consisting with metalic hardenin llic floor hardening co	oken granite me of mix 1:2 (1 cer og compound of a ompound of appr	ital of 20mm and ment hardner approved quality roved quality by
	PWD 18-19,SI No.14.14			
	Basic Rate		725.00	
	Sub Total		725	
	add 10% For Area weightage		72.50	
	Total	Rate	797.50	Sqm
13	Providing and laying in position reinforced cement cond 340kgs, with 20mm and down size graded granite meta @ 0.47cum, with super plasticisers @ 3 liters conformi mixed, concrete laid in layers not exceeding 15 cms this pedestrals, retaining walls, returnwalls, walls (any thick posts, struts, buttresses, bed blocks, anchor blocks & posts, struts, curring, complete but excluding cost of recommendations.	al coarse aggregates ng to IS 9103-1999 re ck, vibrated for all wo ness) including attach blinths etc including c	@0.70 cum and eafirmed-2008 a brks in foundation hed pilasters, coost of all materia	I fine aggregates t machine n for footings, lumnspillars,
13	340kgs, with 20mm and down size graded granite meta @ 0.47cum, with super plasticisers @ 3 liters conformi mixed, concrete laid in layers not exceeding 15 cms thi pedestrals, retaining walls, returnwalls, walls (any thick	al coarse aggregates ng to IS 9103-1999 re ck, vibrated for all wo ness) including attach blinths etc including c	@0.70 cum and eafirmed-2008 a brks in foundation hed pilasters, coost of all materia	I fine aggregates t machine n for footings, lumnspillars,
13	340kgs, with 20mm and down size graded granite meta @ 0.47cum, with super plasticisers @ 3 liters conformi mixed, concrete laid in layers not exceeding 15 cms thi pedestrals, retaining walls, returnwalls, walls (any thick posts, struts, buttresses, bed blocks, anchor blocks & pof machinery, curing, complete but excluding cost of re	al coarse aggregates ng to IS 9103-1999 re ck, vibrated for all wo ness) including attach blinths etc including c	@0.70 cum and eafirmed-2008 a brks in foundation hed pilasters, coost of all materia	I fine aggregates t machine n for footings, lumnspillars, als, labour, HOM
13	340kgs, with 20mm and down size graded granite meta @ 0.47cum, with super plasticisers @ 3 liters conformi mixed, concrete laid in layers not exceeding 15 cms thi pedestrals, retaining walls, returnwalls, walls (any thick posts, struts, buttresses, bed blocks, anchor blocks & pof machinery, curing, complete but excluding cost of re PWD 18-19,SI No.4.10,Pg No 14	al coarse aggregates ng to IS 9103-1999 re ck, vibrated for all wo ness) including attach blinths etc including c	@0.70 cum and eafirmed-2008 a brks in foundation hed pilasters, co ost of all material pecifications.	I fine aggregates t machine n for footings, lumnspillars, als, labour, HOM
13	340kgs, with 20mm and down size graded granite meta @ 0.47cum, with super plasticisers @ 3 liters conformi mixed, concrete laid in layers not exceeding 15 cms thi pedestrals, retaining walls, returnwalls, walls (any thick posts, struts, buttresses, bed blocks, anchor blocks & pof machinery, curing, complete but excluding cost of re PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total	al coarse aggregates ng to IS 9103-1999 re ck, vibrated for all wo ness) including attach blinths etc including c	@0.70 cum and eafirmed-2008 a orks in foundation hed pilasters, co ost of all materia pecifications.	fine aggregates t machine n for footings, lumnspillars, als, labour, HOM
13	340kgs, with 20mm and down size graded granite meta @ 0.47cum, with super plasticisers @ 3 liters conformi mixed, concrete laid in layers not exceeding 15 cms thi pedestrals, retaining walls, returnwalls, walls (any thick posts, struts, buttresses, bed blocks, anchor blocks & pof machinery, curing, complete but excluding cost of re PWD 18-19,SI No.4.10,Pg No 14 Basic Rate	al coarse aggregates ng to IS 9103-1999 re ck, vibrated for all wo ness) including attach blinths etc including c	@0.70 cum and eafirmed-2008 a orks in foundation hed pilasters, co ost of all materia pecifications. 6198.00	I fine aggregates t machine n for footings, lumnspillars, als, labour, HOM
13	340kgs, with 20mm and down size graded granite meta @ 0.47cum, with super plasticisers @ 3 liters conformi mixed, concrete laid in layers not exceeding 15 cms thi pedestrals, retaining walls, returnwalls, walls (any thick posts, struts, buttresses, bed blocks, anchor blocks & pof machinery, curing, complete but excluding cost of re PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total add 10% For Area weightage	al coarse aggregates ng to IS 9103-1999 re ck, vibrated for all wo ness) including attach blinths etc including c inforcement as per sp	@0.70 cum and eafirmed-2008 a brks in foundation hed pilasters, co ost of all material pecifications. 6198.00 6198	I fine aggregates t machine n for footings, lumnspillars, als, labour, HOM
13	340kgs, with 20mm and down size graded granite meta @ 0.47cum, with super plasticisers @ 3 liters conformi mixed, concrete laid in layers not exceeding 15 cms thi pedestrals, retaining walls, returnwalls, walls (any thick posts, struts, buttresses, bed blocks, anchor blocks & pof machinery, curing, complete but excluding cost of re PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total add 10% For Area weightage	al coarse aggregates ng to IS 9103-1999 re ck, vibrated for all wo ness) including attach plinths etc including c inforcement as per sp Rate uding straightening, c tying with binding wir (laps and wastage sh	@0.70 cum and eafirmed-2008 are orks in foundation hed pilasters, co ost of all material pecifications. 6198.00 6198 619.80 6817.80 utting, bending, he and anchoring hall not be meas	fine aggregates t machine n for footings, lumnspillars, als, labour, HOM Cum hooking, placing to the adjoining ured and paid)
	340kgs, with 20mm and down size graded granite meta @ 0.47cum, with super plasticisers @ 3 liters conformi mixed, concrete laid in layers not exceeding 15 cms thi pedestrals, retaining walls, returnwalls, walls (any thick posts, struts, buttresses, bed blocks, anchor blocks & p of machinery, curing, complete but excluding cost of re PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total add 10% For Area weightage Total Providing TMT steel reinforcement for R.C.C work inclu in position, lapping and / or welding wherever required, members wherever necessary complete as per design cost of materials, labour, HOM of machinery complete directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate	al coarse aggregates ng to IS 9103-1999 re ck, vibrated for all wo ness) including attach plinths etc including c inforcement as per sp Rate uding straightening, c tying with binding wir (laps and wastage sh	@0.70 cum and eafirmed-2008 are orks in foundation hed pilasters, co ost of all material pecifications. 6198.00 6198 619.80 6817.80 utting, bending, he and anchoring hall not be meas	fine aggregates t machine n for footings, lumnspillars, als, labour, HOM Cum hooking, placing to the adjoining ured and paid)
	340kgs, with 20mm and down size graded granite meta @ 0.47cum, with super plasticisers @ 3 liters conformi mixed, concrete laid in layers not exceeding 15 cms thi pedestrals, retaining walls, returnwalls, walls (any thick posts, struts, buttresses, bed blocks, anchor blocks & p of machinery, curing, complete but excluding cost of re PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total add 10% For Area weightage Total Providing TMT steel reinforcement for R.C.C work inclu in position, lapping and / or welding wherever required, members wherever necessary complete as per design cost of materials, labour, HOM of machinery complete directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18	al coarse aggregates ng to IS 9103-1999 re ck, vibrated for all wo ness) including attach plinths etc including c inforcement as per sp Rate uding straightening, c tying with binding wir (laps and wastage sh	@0.70 cum and eafirmed-2008 are orks in foundation hed pilasters, co ost of all material pecifications. 6198.00 6198 619.80 6817.80 utting, bending, be and anchoring hall not be meas as per specifications.	fine aggregates t machine n for footings, lumnspillars, als, labour, HOM Cum hooking, placing to the adjoining ured and paid)
	340kgs, with 20mm and down size graded granite meta @ 0.47cum, with super plasticisers @ 3 liters conformi mixed, concrete laid in layers not exceeding 15 cms thi pedestrals, retaining walls, returnwalls, walls (any thick posts, struts, buttresses, bed blocks, anchor blocks & p of machinery, curing, complete but excluding cost of re PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total add 10% For Area weightage Total Providing TMT steel reinforcement for R.C.C work inclu in position, lapping and / or welding wherever required, members wherever necessary complete as per design cost of materials, labour, HOM of machinery complete directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate	al coarse aggregates ng to IS 9103-1999 re ck, vibrated for all wo ness) including attach plinths etc including c inforcement as per sp Rate uding straightening, c tying with binding wir (laps and wastage sh	@0.70 cum and eafirmed-2008 a pression foundation hed pilasters, co ost of all material pecifications. 6198.00 6198 619.80 6817.80 utting, bending, re and anchoring hall not be meas as per specificat	fine aggregates t machine n for footings, lumnspillars, als, labour, HOM Cum hooking, placing to the adjoining ured and paid) ions and
	340kgs, with 20mm and down size graded granite meta @ 0.47cum, with super plasticisers @ 3 liters conformi mixed, concrete laid in layers not exceeding 15 cms thi pedestrals, retaining walls, returnwalls, walls (any thick posts, struts, buttresses, bed blocks, anchor blocks & p of machinery, curing, complete but excluding cost of re PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total Add 10% For Area weightage Total Providing TMT steel reinforcement for R.C.C work inclu in position, lapping and / or welding wherever required, members wherever necessary complete as per design cost of materials, labour, HOM of machinery complete directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total	al coarse aggregates ng to IS 9103-1999 re ck, vibrated for all wo ness) including attach plinths etc including c inforcement as per sp Rate uding straightening, c tying with binding wir (laps and wastage sh	@0.70 cum and eafirmed-2008 at orks in foundation hed pilasters, co ost of all material pecifications. 6198.00 6198 619.80 6817.80 utting, bending, re and anchoring hall not be meas as per specificat 70782.00 70782	fine aggregates t machine n for footings, lumnspillars, als, labour, HOM Cum hooking, placing to the adjoining ured and paid) ions and
	340kgs, with 20mm and down size graded granite meta @ 0.47cum, with super plasticisers @ 3 liters conformi mixed, concrete laid in layers not exceeding 15 cms thi pedestrals, retaining walls, returnwalls, walls (any thick posts, struts, buttresses, bed blocks, anchor blocks & p of machinery, curing, complete but excluding cost of re PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total Add 10% For Area weightage Total Providing TMT steel reinforcement for R.C.C work inclution in position, lapping and / or welding wherever required, members wherever necessary complete as per design cost of materials, labour, HOM of machinery complete directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total Add 10% For Area weightage Total Providing and removing, centering, shuttering, strutting, foundations, footings, bases of columns for mass concusts per specifications PWD 18-19,SI No.4.28,Pg No 16	Rate Rate Rate Rate Rate Rate Rate	@0.70 cum and eafirmed-2008 at orks in foundation hed pilasters, co ost of all material pecifications. 6198.00 6198 619.80 6817.80 utting, bending, re and anchoring hall not be meas as per specificat 70782.00 70782 7078.20 77860.20 emoval of form we all materials, lab	fine aggregates t machine n for footings, lumnspillars, als, labour, HOM Cum hooking, placing to the adjoining ured and paid) ions and MT
14	340kgs, with 20mm and down size graded granite meta @ 0.47cum, with super plasticisers @ 3 liters conformi mixed, concrete laid in layers not exceeding 15 cms thi pedestrals, retaining walls, returnwalls, walls (any thick posts, struts, buttresses, bed blocks, anchor blocks & p of machinery, curing, complete but excluding cost of re PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total add 10% For Area weightage Total Providing TMT steel reinforcement for R.C.C work inclu- in position, lapping and / or welding wherever required, members wherever necessary complete as per design cost of materials, labour, HOM of machinery complete directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing, centering, shuttering, strutting, foundations, footings, bases of columns for mass conc- as per specifications PWD 18-19,SI No.4.28,Pg No 16 Basic Rate	Rate Rate Rate Rate Rate Rate Rate	@0.70 cum and eafirmed-2008 at present an expecifications. 6198.00 6198 619.80 6817.80 utting, bending, re and anchoring hall not be meas as per specifications. 70782.00 70782 7078.20 77860.20 emoval of form we all materials, late	fine aggregates t machine n for footings, lumnspillars, als, labour, HOM Cum hooking, placing to the adjoining ured and paid) iions and MT vork for pour complete
14	340kgs, with 20mm and down size graded granite meta @ 0.47cum, with super plasticisers @ 3 liters conformi mixed, concrete laid in layers not exceeding 15 cms thi pedestrals, retaining walls, returnwalls, walls (any thick posts, struts, buttresses, bed blocks, anchor blocks & p of machinery, curing, complete but excluding cost of re PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total add 10% For Area weightage Total Providing TMT steel reinforcement for R.C.C work including position, lapping and / or welding wherever required, members wherever necessary complete as per design cost of materials, labour, HOM of machinery complete directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total Providing and removing,centering, shuttering, strutting, foundations, footings, bases of columns for mass conclusions pwD 18-19,SI No.4.28,Pg No 16 Basic Rate Sub Total	Rate Rate Rate Rate Rate Rate Rate	@0.70 cum and eafirmed-2008 are orks in foundation hed pilasters, co ost of all material pecifications. 6198.00 6198 619.80 6817.80 utting, bending, re and anchoring hall not be meas as per specificat 70782.00 70782 7078.20 77860.20 emoval of form we all materials, labeled as per specificated and materials, labeled as per specificated and materials, labeled as per specificated and materials, labeled as per specificated and materials, labeled as per specificated and materials, labeled as per specificated and materials, labeled as per specificated and materials, labeled as per specificated and materials, labeled as per specificated and materials, labeled as per specificated and materials, labeled as per specificated and materials, labeled as per specificated and materials, labeled as per specificated and materials, labeled as per specificated and materials, labeled as per specificated and materials, labeled as per specificated and materials and materia	fine aggregates t machine n for footings, lumnspillars, als, labour, HOM Cum hooking, placing to the adjoining ured and paid) ions and MT vork for pour complete
14	340kgs, with 20mm and down size graded granite meta @ 0.47cum, with super plasticisers @ 3 liters conformi mixed, concrete laid in layers not exceeding 15 cms thi pedestrals, retaining walls, returnwalls, walls (any thick posts, struts, buttresses, bed blocks, anchor blocks & p of machinery, curing, complete but excluding cost of re PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total add 10% For Area weightage Total Providing TMT steel reinforcement for R.C.C work inclu- in position, lapping and / or welding wherever required, members wherever necessary complete as per design cost of materials, labour, HOM of machinery complete directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing, centering, shuttering, strutting, foundations, footings, bases of columns for mass conc- as per specifications PWD 18-19,SI No.4.28,Pg No 16 Basic Rate	Rate Rate Rate Rate Rate Rate Rate	@0.70 cum and eafirmed-2008 at present an expecifications. 6198.00 6198 619.80 6817.80 utting, bending, re and anchoring hall not be meas as per specifications. 70782.00 70782 7078.20 77860.20 emoval of form we all materials, late	fine aggregates t machine n for footings, lumnspillars, als, labour, HOM Cum hooking, placing to the adjoining ured and paid) ions and MT vork for pour complete

	Providing and removing centering, shuttering, strutting	, propping etc., and	removal of form work for vertice	cal
16	surface such as walls at any thickness, including attac	hed pilasters, buttres	sses plinth cills and string cour	rses
10	cost of all materials, labour complete as per specificati	ons.		
	PWD 18-19,SI No.4.31,Pg No 16			
	Basic Rate		361.00	
	Sub Total		361	
	add 10% For Area weightage		36.10	
	Total	Rate	397.10 Sqm	
	KSRRB M2200 - Providing Weep holes Providing wee	ep holes in Brick ma	sonry / Plain / Reinforced	
	concrete abutment, wing wall / return wall with 100mm		-	
17	structure with slope of 1V:20H towards drawing force of	complete as per draw	ving and Technical specification	ons
	complete as per specifications.			
	PWD 18-19,SI No.28.10,Pg No 229			
	Basic Rate		147.00	
	Sub Total		147	
	add 10% For Area weightage		14.70	
	Total	Rate	161.70 Nos	
	KSRB 2-4: Refilling available earth around pipe lines,	cables in layers not e	exceeding 20cms in depth,	
	compacting each deposited layer by ramming after wa	•	50m. and lift upto 1.5 m.	
18	including cost of all labour complete as per specification	ons.		
	PWD 18-19,SI No.2.11,Pg No 7			
	Basic Rate		120.00	
	Sub Total		120	
	add 10% For Area weightage		12.00	
	Total	Rate	132.00 Cum	
	Providing and fixing unplasticised PVC pipes with w			
19	making good the floor, including cost of all materials,	abour charges, HO	M and testing complete as pe	er
13	specifications.			
	KSRB 18-19,Pg No.77,SI No.11.56.2			
	do- with 110mm outer dia			
	Basic Rate		606.00	
	Sub Total		606	
	add 10% For Area weightage		60.60	
	Total	Rate	666.60 Rmt	
	Providing & Fixing CI Grating (325 x 325mm) for road			
20	Plastering 20mm thick to all exposed faces curing for	00 days with all lead	including cost of plastering bu	ıt
	excluding cost of concrete etc,completete			
	(As Per EOI)			
	Basic Rate		893.00	
	Sub Total		893	
	Total	Rate	893.00 Each	
	KSRB 24-44: Repairs to plaster in patches of 2.5 sqm		•	
	cement mortar 1:4 including cutting the patches in pro		•	
21	including disposal of rubbish with a lead of 50m including	ng curing cost of ma	terials, labour, complete as pe	er
	specifications. Specification No.KBS 24.2.1			
	PWD 18-19,SI No.16.39,Pg No 133			
	Basic Rate		277	
1	Sub lotal		2771	
	Sub Total Add 10% For Area weightage		277 27.70	
	Add 10% For Area weightage Total	Rate	277 27.70 304.70 Sqm	

	D 18 161 0 11 1 1 1261		1 1 12 12
	Providing and fixing Special make glazed Vitri	,	• • • • • • • • • • • • • • • • • • • •
22	colour of size 600x600x10mm thick fixed on e		
	skirting etc., complete including providing spec	ars at required interval and rem	noving stains etc., complete.
	(P.No. 109, I.No. 14.43 of SR 2018-19).		
	Basic Rate		1320.00
	Sub Total		1320
	Add 10% For Area weightage		132.00
	Total	Rate	1452.00 Sqm
	Providing and laying of teak wooden polished	-	
23	and design with end trims, transition, profiles,	beading, 15mm thick felt, and 2	20 micron polyester film with
20	4mm thick foam underlay etc.,		
	(P.No.113, I.No.14.70 of PWD SR 2018-19)		
	Basic Rate		4800.00
	Sub Total		4800
	Add 10% For Area weightage		480.00
	Total	Rate	5280.00 Sqm
	KSRB 14.14-5: Providing Ceramic tiles of app	roved make, shade and size for	r flooring, treads of steps and
	landings laid on a bed of 12mm thick, cement	mortar 1:3 mix. flush pointing v	with white cement using colo
24	pigment, including cost of materials, labour, c		
4	size 30x30cms 6mm thick.	uning, complete de per epecine	
	PWD 18-19,SI No.14.36.2,Pg No.107 and 108		
		,	1211.00
	Basic Rate		1711 001
	10 I T. (.)		
	Sub Total		1211
	Add 10% For Area weightage	Put	1211 121.10
		Rate	1211
	Add 10% For Area weightage Total		1211 121.10 1332.10 Sqm
	Add 10% For Area weightage Total Providing and laying pattern flooring for stairca	ase treads and risers using the	1211 121.10 1332.10 Sqm
	Add 10% For Area weightage Total Providing and laying pattern flooring for stairca ruby red granite @ 66%,20 mm thick grey granite with the stairca ruby red granite with the stairca ruby red granite with the stairca ruby red granite with the stairca ruby red granite with the stairca ruby red granite with the stairca ruby red granite with the stairca ruby red granite with the stairca ruby red granite with the stairca ruby red granite with the stairca ruby red granite with the stairca ruby ruby red granite with the stairca ruby ruby ruby ruby ruby ruby ruby ruby	ase treads and risers using the nite @ 20%, 20mm thick, 20mm	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. T
25	Add 10% For Area weightage Total Providing and laying pattern flooring for stairca ruby red granite @ 66%,20 mm thick grey grangranite materials are laid on existing bed of CI	ase treads and risers using the nite @ 20%, 20mm thick, 20mm thick pointed with	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. T colour pigment, including ful
25	Add 10% For Area weightage Total Providing and laying pattern flooring for stairca ruby red granite @ 66%,20 mm thick grey granite materials are laid on existing bed of CI rounding for nosing, flaming the ruby red gran	ase treads and risers using the nite @ 20%, 20mm thick, 20mm thick pointed with	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. T colour pigment, including ful
25	Add 10% For Area weightage Total Providing and laying pattern flooring for stairca ruby red granite @ 66%,20 mm thick grey grangranite materials are laid on existing bed of CI	ase treads and risers using the nite @ 20%, 20mm thick, 20mm thick pointed with	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. T colour pigment, including ful
25	Add 10% For Area weightage Total Providing and laying pattern flooring for stairca ruby red granite @ 66%,20 mm thick grey granite materials are laid on existing bed of CI rounding for nosing, flaming the ruby red gran	ase treads and risers using the nite @ 20%, 20mm thick, 20mm thick pointed with	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. T colour pigment, including ful
25	Add 10% For Area weightage Total Providing and laying pattern flooring for stairca ruby red granite @ 66%,20 mm thick grey grangranite materials are laid on existing bed of CI rounding for nosing, flaming the ruby red gran (P.No. 109, I.No. 14.46 of PWD SR 2018-19)	ase treads and risers using the nite @ 20%, 20mm thick, 20mm thick pointed with	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. T colour pigment, including ful complete as per specificatio
25	Add 10% For Area weightage Total Providing and laying pattern flooring for stairca ruby red granite @ 66%,20 mm thick grey granganite materials are laid on existing bed of CI rounding for nosing, flaming the ruby red gran (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate	ase treads and risers using the nite @ 20%, 20mm thick, 20mm thick pointed with	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. T colour pigment, including ful complete as per specificatio
25	Add 10% For Area weightage Total Providing and laying pattern flooring for stairca ruby red granite @ 66%,20 mm thick grey grangranite materials are laid on existing bed of CI rounding for nosing, flaming the ruby red gran (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total	ase treads and risers using the nite @ 20%, 20mm thick, 20mm thick pointed with	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. T colour pigment, including ful complete as per specificatio 7195.00 7195
25	Add 10% For Area weightage Total Providing and laying pattern flooring for stairca ruby red granite @ 66%,20 mm thick grey granite materials are laid on existing bed of CI rounding for nosing, flaming the ruby red gran (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage	ase treads and risers using the nite @ 20%, 20mm thick, 20mm thick pointed with ite for 50 mm wide curing etc.,	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. T colour pigment, including ful complete as per specificatio 7195.00 7195 719.50
	Add 10% For Area weightage Total Providing and laying pattern flooring for stairca ruby red granite @ 66%,20 mm thick grey granite materials are laid on existing bed of CI rounding for nosing, flaming the ruby red gran (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total	ase treads and risers using the nite @ 20%, 20mm thick, 20mm thick pointed with ite for 50 mm wide curing etc.,	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. T colour pigment, including ful complete as per specificatio 7195.00 7195 719.50
25	Add 10% For Area weightage Total Providing and laying pattern flooring for stairca ruby red granite @ 66%,20 mm thick grey grangranite materials are laid on existing bed of CI rounding for nosing, flaming the ruby red gran (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total Repairing door and window frames with availa	ase treads and risers using the nite @ 20%, 20mm thick, 20mm thick pointed with ite for 50 mm wide curing etc.,	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. T colour pigment, including ful complete as per specificatio 7195.00 7195 719.50
	Add 10% For Area weightage Total Providing and laying pattern flooring for stairca ruby red granite @ 66%,20 mm thick grey granite materials are laid on existing bed of CI rounding for nosing, flaming the ruby red gran (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total Repairing door and window frames with availate PWD 18-19,SI No.37.12,Pg No 267	ase treads and risers using the nite @ 20%, 20mm thick, 20mm thick pointed with ite for 50 mm wide curing etc.,	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. T colour pigment, including ful complete as per specificatio 7195.00 7195 719.50 7914.50 Sqm
	Add 10% For Area weightage Total Providing and laying pattern flooring for stairca ruby red granite @ 66%,20 mm thick grey granite materials are laid on existing bed of CI rounding for nosing, flaming the ruby red gran (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total Repairing door and window frames with availate PWD 18-19,SI No.37.12,Pg No 267 Basic Rate	ase treads and risers using the nite @ 20%, 20mm thick, 20mm thick pointed with ite for 50 mm wide curing etc.,	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. T colour pigment, including ful complete as per specificatio 7195.00 7195 719.50 7914.50 Sqm
	Add 10% For Area weightage Total Providing and laying pattern flooring for stairca ruby red granite @ 66%,20 mm thick grey granite materials are laid on existing bed of CI rounding for nosing, flaming the ruby red gran (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total Repairing door and window frames with availate PWD 18-19,SI No.37.12,Pg No 267 Basic Rate Sub Total	ase treads and risers using the nite @ 20%, 20mm thick, 20mm thick pointed with ite for 50 mm wide curing etc.,	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. T colour pigment, including ful complete as per specificatio 7195.00 7195 719.50 7914.50 Sqm
	Add 10% For Area weightage Total Providing and laying pattern flooring for stairca ruby red granite @ 66%,20 mm thick grey granite materials are laid on existing bed of CI rounding for nosing, flaming the ruby red gran (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total Repairing door and window frames with availate PWD 18-19,SI No.37.12,Pg No 267 Basic Rate Sub Total Add 10% For Area weightage	ase treads and risers using the nite @ 20%, 20mm thick, 20mm thick pointed with ite for 50 mm wide curing etc., Rate ble wood to the required size.	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. T colour pigment, including ful complete as per specificatio 7195.00 7195 719.50 7914.50 Sqm 685.00 685 68.50
	Add 10% For Area weightage Total Providing and laying pattern flooring for stairca ruby red granite @ 66%,20 mm thick grey granite materials are laid on existing bed of CI rounding for nosing, flaming the ruby red gran (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total Repairing door and window frames with availate PWD 18-19,SI No.37.12,Pg No 267 Basic Rate Sub Total	ase treads and risers using the nite @ 20%, 20mm thick, 20mm thick pointed with ite for 50 mm wide curing etc.,	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. T colour pigment, including ful complete as per specificatio 7195.00 7195 719.50 7914.50 Sqm
	Add 10% For Area weightage Total Providing and laying pattern flooring for stairca ruby red granite @ 66%,20 mm thick grey granite materials are laid on existing bed of CI rounding for nosing, flaming the ruby red gran (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total Repairing door and window frames with availate PWD 18-19,SI No.37.12,Pg No 267 Basic Rate Sub Total Add 10% For Area weightage Total	Rate Rate Rate	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. T colour pigment, including ful complete as per specificatio 7195.00 7195 719.50 7914.50 Sqm 685.00 685 68.50 753.50 Sqm
26	Add 10% For Area weightage Total Providing and laying pattern flooring for stairca ruby red granite @ 66%,20 mm thick grey granite materials are laid on existing bed of CI rounding for nosing, flaming the ruby red gran (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total Repairing door and window frames with availate PWD 18-19,SI No.37.12,Pg No 267 Basic Rate Sub Total Add 10% For Area weightage Total Repairing and fixing shutters (panelled or glaze)	Rate Rate Rate	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. T colour pigment, including ful complete as per specificatio 7195.00 7195 719.50 7914.50 Sqm 685.00 685 68.50 753.50 Sqm
	Add 10% For Area weightage Total Providing and laying pattern flooring for stairca ruby red granite @ 66%,20 mm thick grey granite materials are laid on existing bed of CI rounding for nosing, flaming the ruby red gran (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total Repairing door and window frames with availate PWD 18-19,SI No.37.12,Pg No 267 Basic Rate Sub Total Add 10% For Area weightage Total	Rate Rate Rate	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. T colour pigment, including ful complete as per specificatio 7195.00 7195 719.50 7914.50 Sqm 685.00 685 68.50 753.50 Sqm
26	Add 10% For Area weightage Total Providing and laying pattern flooring for stairca ruby red granite @ 66%,20 mm thick grey granite materials are laid on existing bed of CI rounding for nosing, flaming the ruby red gran (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total Repairing door and window frames with availate PWD 18-19,SI No.37.12,Pg No 267 Basic Rate Sub Total Add 10% For Area weightage Total Repairing and fixing shutters (panelled or glaze PWD 18-19,SI No.37.13,Pg No.267	Rate Rate Rate	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. T colour pigment, including ful complete as per specificatio 7195.00 7195 719.50 7914.50 Sqm 685.00 685 68.50 753.50 Sqm ors and cupboards.
26	Add 10% For Area weightage Total Providing and laying pattern flooring for stairca ruby red granite @ 66%,20 mm thick grey granite materials are laid on existing bed of CI rounding for nosing, flaming the ruby red gran (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total Repairing door and window frames with availate PWD 18-19,SI No.37.12,Pg No 267 Basic Rate Sub Total Add 10% For Area weightage Total Repairing and fixing shutters (panelled or glaze PWD 18-19,SI No.37.13,Pg No.267 Basic Material Rate	Rate Rate Rate	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. T colour pigment, including ful complete as per specificatio 7195.00 7195 719.50 7914.50 Sqm 685.00 685 68.50 753.50 Sqm ors and cupboards.
26	Add 10% For Area weightage Total Providing and laying pattern flooring for stairca ruby red granite @ 66%,20 mm thick grey granite materials are laid on existing bed of CI rounding for nosing, flaming the ruby red gran (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total Repairing door and window frames with availate PWD 18-19,SI No.37.12,Pg No 267 Basic Rate Sub Total Add 10% For Area weightage Total Repairing and fixing shutters (panelled or glaze PWD 18-19,SI No.37.13,Pg No.267	Rate Rate Rate	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. T colour pigment, including ful complete as per specificatio 7195.00 7195 719.50 7914.50 Sqm 685.00 685 68.50 753.50 Sqm ors and cupboards.

	IVODD 15 15 1 · Droviding and applying pointing in ty	vo coate with plactic amul	sion point of approved brand
	KSRB 15-15.1: Providing and applying painting in two on wall surface to give an even approved shade afte	•	
	drops and other foreign matter including preparing the		
28	materials, labour, complete as per specifications.	ie suriace everi and sand	paper smooth, cost of
	- do- with primer		
	PWD 18-19,SI No.15.51.2,Pg No.119		
	· ·		
	Basic Material Rate		90.00
	Sub Total		90
	Add 10% For Area weightage for Labour		9.00
	Total	Rate	99.00 Sqm
	0 1: 10: M 1 0		
29	Supplying and fixing new Mangalore tiles on existing	reepers.	
	PWD 18-19,SI No.37.9,Pg No.267		
	Basic Rate		407.00
	Sub Total		407
	Add 10% For Area weightage		40.70
	Total Rate	Rate	447.70 Sqm
	KSRB 8.4: Providing and fixing Mangalore tile roofing	-	
	ridges and hips, wood reepers and pointed with cem		
30	materials, labour, curing complete as per specification	ons. Specification No. KB	3S 8.17KSRB 8.4-2: do- Nand
	wood reepers of size 50x25mm		
	PWD 18-19,SI No.8.11		
	Basic Rate		814.00
	Sub Total		814
	Add 10% For Area weightage		81.40
	Total Rate	Rate	895.40 Sqm
31	Removing and fixing old Mangalore ridge tiles includ	ing pointing with C.M. 1:3	.
<u> </u>	PWD 18-19,SI No.37.10,Pg No.267		
	Baisc rate		101.00
	Sub Total		101
	Add 10% For area weightage (Mangalore City)		10.10
	Total Rate	Rate	111.10 Rmt
	KSRB 15-17.19: Providing and applying painting one	`	,
	wood surface and / or wood based surface with blac	k japan paint to give an e	ven shade after cleaning the
32	wood surface and / or wood based surface with blac surface of all dirt, dust and foreign matter, including	k japan paint to give an e	ven shade after cleaning the
32	wood surface and / or wood based surface with blac surface of all dirt, dust and foreign matter, including specifications.	k japan paint to give an e	ven shade after cleaning the
32	wood surface and / or wood based surface with blac surface of all dirt, dust and foreign matter, including specifications. PWD 18-19,SI No.15.71,Pg No.123	k japan paint to give an e	ven shade after cleaning the complete as per
32	wood surface and / or wood based surface with blac surface of all dirt, dust and foreign matter, including specifications. PWD 18-19,SI No.15.71,Pg No.123 Basic Rate	k japan paint to give an e	ven shade after cleaning the complete as per
32	wood surface and / or wood based surface with blac surface of all dirt, dust and foreign matter, including specifications. PWD 18-19,SI No.15.71,Pg No.123 Basic Rate Sub Total	k japan paint to give an e	ven shade after cleaning the complete as per 56.00 56
32	wood surface and / or wood based surface with blac surface of all dirt, dust and foreign matter, including specifications. PWD 18-19,SI No.15.71,Pg No.123 Basic Rate Sub Total Add 10% For Area weightage	k japan paint to give an excost of materials, labour,	ven shade after cleaning the complete as per 56.00 56 5.60
32	wood surface and / or wood based surface with blac surface of all dirt, dust and foreign matter, including specifications. PWD 18-19,SI No.15.71,Pg No.123 Basic Rate Sub Total	k japan paint to give an e	ven shade after cleaning the complete as per 56.00 56
32	wood surface and / or wood based surface with blac surface of all dirt, dust and foreign matter, including specifications. PWD 18-19,SI No.15.71,Pg No.123 Basic Rate Sub Total Add 10% For Area weightage Total Rate	k japan paint to give an excost of materials, labour,	ven shade after cleaning the complete as per 56.00 56 5.60 61.60 Sqm
32	wood surface and / or wood based surface with blac surface of all dirt, dust and foreign matter, including specifications. PWD 18-19,SI No.15.71,Pg No.123 Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRB 15-17.19:Applying additional one coat (exclude	k japan paint to give an excost of materials, labour, Rate ding priming coat) on pre	see shade after cleaning the complete as per 56.00 56 5.60 61.60 Sqm Eviously painted wood surface
	wood surface and / or wood based surface with blac surface of all dirt, dust and foreign matter, including specifications. PWD 18-19,SI No.15.71,Pg No.123 Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRB 15-17.19:Applying additional one coat (excludand / or wood based surface with black japan paint to	Rate ding priming coat) on preogive an even shade after	see shade after cleaning the complete as per 56.00 56 5.60 61.60 Sqm Eviously painted wood surface er cleaning the surface of all
32	wood surface and / or wood based surface with blac surface of all dirt, dust and foreign matter, including specifications. PWD 18-19,SI No.15.71,Pg No.123 Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRB 15-17.19:Applying additional one coat (excluding and / or wood based surface with black japan paint to dirt, dust and foreign matter, including cost of material	Rate ding priming coat) on preogive an even shade after	see shade after cleaning the complete as per 56.00 56 5.60 61.60 Sqm Eviously painted wood surface er cleaning the surface of all
	wood surface and / or wood based surface with blac surface of all dirt, dust and foreign matter, including specifications. PWD 18-19,SI No.15.71,Pg No.123 Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRB 15-17.19:Applying additional one coat (excludand / or wood based surface with black japan paint to	Rate ding priming coat) on preogive an even shade after	see shade after cleaning the complete as per 56.00 56 5.60 61.60 Sqm Eviously painted wood surface er cleaning the surface of all
	wood surface and / or wood based surface with blac surface of all dirt, dust and foreign matter, including specifications. PWD 18-19,SI No.15.71,Pg No.123 Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRB 15-17.19:Applying additional one coat (excluding and / or wood based surface with black japan paint to dirt, dust and foreign matter, including cost of materic PWD 18-19,SI No.15.72,Pg No.123	Rate ding priming coat) on preogive an even shade after	56.00 56 5.60 61.60 Sqm viously painted wood surface er cleaning the surface of all per specifications.
	wood surface and / or wood based surface with blac surface of all dirt, dust and foreign matter, including specifications. PWD 18-19,SI No.15.71,Pg No.123 Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRB 15-17.19:Applying additional one coat (excludand / or wood based surface with black japan paint to dirt, dust and foreign matter, including cost of materi PWD 18-19,SI No.15.72,Pg No.123 Basic Rate	Rate ding priming coat) on preogive an even shade after	56.00 56 5.60 61.60 Sqm viously painted wood surface er cleaning the surface of all per specifications.
	wood surface and / or wood based surface with blac surface of all dirt, dust and foreign matter, including specifications. PWD 18-19,SI No.15.71,Pg No.123 Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRB 15-17.19:Applying additional one coat (excludand / or wood based surface with black japan paint to dirt, dust and foreign matter, including cost of materi PWD 18-19,SI No.15.72,Pg No.123 Basic Rate Sub Total	Rate ding priming coat) on preogive an even shade after	56.00 56 5.60 61.60 Sqm viously painted wood surface er cleaning the surface of all per specifications.
	wood surface and / or wood based surface with blac surface of all dirt, dust and foreign matter, including specifications. PWD 18-19,SI No.15.71,Pg No.123 Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRB 15-17.19:Applying additional one coat (excludand / or wood based surface with black japan paint to dirt, dust and foreign matter, including cost of materi PWD 18-19,SI No.15.72,Pg No.123 Basic Rate	Rate ding priming coat) on preogive an even shade after	56.00 56 5.60 61.60 Sqm viously painted wood surface er cleaning the surface of all per specifications.

34	Providing and laying non - asbestos high impact ploypropyloreinforced with Other colours and with a blend of strong fact IS:9933:1995 (E) roofing upto any pitch and fixing with polydia, G I plain and bitumen washers or with self drilling faste excluding the cost of purlins, refters and trusses. including wherever required. and cost of materials, labour, complete PWD 18-19,SI No.8.31.2,Pg No 51	tory made fibre a mer coated J or ner and EPDM v cutting to size ar	as per IS:14871 a L hooks, bolts ar vashers ete. com nd shape of corru	and nd nuts 8mm plete but
	Basic Rate		590.00	
	Sub Total		590.00	
	Add 10% For Area weightage		59.00	
	Total Rate	Rate	649.00	Sam
	Total Nate	rate	0 10100	- Gqiii
35	Waterproofing of RCC Terrace / podium slab / toilet / utilities surface by chipping and cleaning and Grouting of Honey concernent slurry (1kg cement added in 10 ltr of water) added with spraying of liquid biological modified alkaline earth silicates the micro porosity and allowing it to dry, curing the surface concrete and spraying waterproofing impregnate liquid cont 0.50 ltr per sqm and finally applying polymer slurry made of cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surequipments, all complete as per the specification PWD 18-19,SI No.10.5.1,Pg No 69	omb, voids,crack with 100gm of in @ 0.40 Itr per so for the silicates to caining silane and ut of cross linked	s / construction journament of construction journament of construction in the construction of construction in the construction of construction in the construction of construction of construction in the construction of construction in the construction of construction in the construction of construction in the construction in	oints with tor, followed by face to reduce per into the opolymer @ / butadiene &
	Basic Rate		526.00	
	Sub Total		526.00	
	Add 10% For Area weightage		52.60	
	Total Rate	Rate	578.60	Sqm
		<u> </u>		•
36	KSRRB M300- Planting and Maintaining of Flowering Plant Maintaining of Flowering Plants and Shrubs - A) Planting flo MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149			
	Basic Rate		46.00	
	Sub Total		46.00	
	Add 10% For Area weightage		4.60	
	Total Rate	Rate	50.60	Rmt
37	Providing and laying heavy duty Tactile Tiles (Direction and Yellow in colour, using cement and course sand for manufaminimum compressive strength of 281 kg per sqm over 50r compacting with plate vibrator having 3 tons compaction for come up in between joints, final compaction of paver surface materials, labour and HOM of machineries complete as per (As Per EOI)	acture of blocks mm thick sand b rce thereby forci ce joints into its f	of approved size ed (average thick ng part of sand u	, shape with a kness) and nderneath to
	Rate Approved as per EOI by MD MSCL Mangalore,Refer Sr.No.12		912.00	
	Sub Total		912.00	
	Total Rate	Rate	912.00	Sqm
38	Providing and laying artline grass pavers or equivalent bloc compaction, of approved size, design & shape, laid in requir thick compacted bed of coarse sand, filling the joints with line Engineer-in-charge. (Non SOR)	ed colour and pa	attern over and ir complete as per t	ncluding 50mm
	Basic Rate		2067.00	
	Sub Total		2067.00	
	Total Rate	Rate	2067.00	Sam

39	Providing and fixing Vitrified glazed tiles of approved make thick fixed on bed of 12mm thick cement mortar for flooring, mixed with pigment to mach shade of tiles, including providi stains, including cost of all mateirals, mortar, labour, etc., C (KPWD 18-19,SI.No.14.45.1)	, skirting and JC ng spacers at re	Dinted with neat cement slurry equired interval and removing
	Basic Rate		1315.00
	Sub Total		1315.00
	Add 10% For Area weightage		131.50
	Total Rate	Rate	1446.50 Sqm
40	Providing and fixing Pre cast solid concrete kerb stones ma plastering and finishing cutting etc., complete. do- of size 450 x 150 x 400 mm (KSRRB 18-19,Pg No.27,SI No.5.29.1)	de out of CC 1:	2:4 and finished with CM 1:3
	Basic Rate	1	468.00
	Sub Total		468.00
	Add 10% For Area weightage		46.80
	Total Rate	Rate	514.80 Nos
		•	
41	KSRRB M800-13.Road Marking with Hot Applied Thermopon Bituminous Surface/ Concrete Surface: Providing and lamm thick including reflectorising glass beads at 250 gms of surface applied glass beads as per IRC:35 standards spand free from streaks and holes complete as per specificati (KSRB 18-19,SI No.24.15)	ying of hot appli per sqm area, t ecified. The fini	ied thermoplastic compound 2.5 thickness of 2.5 mm is exclusive shed surface to be level, uniform
	Basic Rate		429.00
	Sub Total		429.00
	Add 10% For Area weightage		42.90
	Total Rate	Rate	471.90 Sqm

Executive Engineer MSCL Mangaluru

G M Technical MSCL Mangaluru

MANGALURU SMART CITY 1.1 Grand Summary of E-Smart school - LPS HoigeBazar

Sr. No.	Description	Cost In INR
1	E-Smart School - LPS Hoigebazar	
а	Building & Compound wall works	3,746,046
b	Electrical Works	352,464
С	Plumbing Works	235,380
d	External Development - Softscape & Hardscape	603,874
	Total Cost	4,937,764

Executive Engineer MSCL Mangaluru

G M Technical MSCL Mangaluru

MANGALURU SMART CITY 1.2 BOQ of E-Smart School - LPS HOIGEBAZAR

Sr .No.	Description	Unit	Quantity	Rate	Amount
Α	Building & Compound wall works				
1	KSRRB M200-7.1. Clearing grass and removal of rubbish by manual means and stacking outside the periphery of the area cleaned complete as per specifications. MORTH Specification No. 201 PWD 18-19,Page No 138,SI No.18.10)	На	0.09	28330.50	2,660
2	KSRB 24-9 : Cleaning and washing of stone masonry wall surface with nitric acid including cost of materials, labour, complete as per specifications. Specification No.KBS 18-19, (Page No 130,SI No : 16.4)	Sqm	647.55	5.50	3,562
3	Providing and construction laterite size stone masonary including cost and conveyance of all materials curing etc. complete as per specification.I.S.3620/1979 having compressive strength not less then 3.5N/mm2 for saturated dry samples.For super structure in CM 1:6 (Cement 45 kgs/M3) (KPWD 18-19,Page No 384,SI No : 42.5.3)	Cum	33.17	3730.10	123,727
4	KSRB 15.3.10 Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry and concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. PWD 18-19,SI No.15.19,Pg No 116	Sqm	288.20	300.30	86,546
5	KSRB 15-16.1: Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - do - with Primer PWD 18-19,SI No.15.53.2,Pg No 120	Sqm	1308.34	112.20	146,796
6	Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, complete as per specifications. (KPWD 18-19,SI No.15.103)	Sqm	165.74	374.00	61,987
7	KSRRB MS00-10 Painting new letter and figures of any shade with synthetic enamel paint black or any other approved colour to give an even shade complete as per specifications. ("ii) English and Roman - Hyphen and the like not to be measured and paid for" MORTH Specification No.801 (KSRRB 18-19,SI No.24.10)	Cm	750.00	0.77	578
8	Cleaning RCC sump tanks and RCC overhead tanks with mechanical dewatering including removal of sludge, mud, dirt, algea etc and cleaning the wall surface of tanks using high pressure jet, vacuum cleaning and spraying anti bacterial treatment to the wall and ceiling surfaces and UV treatment, including removing of sludge etc, using suitable coconut broomstick, squeesers I wipers I rubber brushes, coir brushes, plastic buckets, mugs, dewatering using motor with portal arrangement, hose pipe etc., complete including all safety measures. (KPWD 18-19,SI No.10.7)	L	10000.00	0.39	3,850

Sr .No.	Description	Unit	Quantity	Rate	Amount
9	KSRB 15-18.3: Providing and applying enamel metal paint one coat (excluding priming coat) on previously painted steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. PWD 18-19,SI No.15.75,Pg No 123	Sqm	23.00	67.10	1,543
10	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 PWD 18-19,SI No.2.3,Pg No 6	Cum	216.74	328.90	71,286
11	KSRB 4-1.6; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 ems. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2 PWD 18-19,SI No.4.6,Pg No 13	Cum	18.45	6490.00	119,741
12	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregates @0.47cum, with super plasticisers @ 3 liters conforming to IS 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedestrals, retaining walls, returnwalls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. PWD 18-19,SI No.4.10,Pg No 14	Cum	54.88	6817.80	374,161
13	Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete with all lead lifts and as per specifications and directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18	МТ	4.12	77860.20	320,473
14	Providing and removing, centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications PWD 18-19,SI No.4.28,Pg No 16	Sqm	200.55	289.30	58,019
15	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses plinth cills and string courses cost of all materials, labour complete as per specifications. PWD 18-19,SI No.4.31,Pg No 16	Sqm	467.38	397.10	185,597
16	KSRRB M2200 - Providing Weep holes Providing weep holes in Brick masonry / Plain / Reinforced concrete abutment, wing wall / return wall with 100mm dia AC pipe, extending through the full width of the structure with slope of 1V:20H towards drawing force complete as per drawing and Technical specifications complete as per specifications. PWD 18-19,SI No.28.10,Pg No 229	Rmt	20.00	161.70	3,234

Sr .No.	Description	Unit	Quantity	Rate	Amount
17	KSRB 2-4: Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications. PWD 18-19,SI No.2.11,Pg No 7	Cum	123.26	132.00	16,270
18	Providing and fixing unplasticised PVC pipes with working pressure 10 kg/sq.cm with pipe fittings, clips, making good the floor, including cost of all materials, labour charges, HOM and testing complete as per specifications. KSRB 18-19,Pg No.77,SI No.11.56.2				
	do- with 110mm outer dia	Rmt	30.00	666.60	19,998
19	Providing & Fixing CI Grating (325 x 325mm) for road gully cover including fixing the cover and CM 1:3 Plastering 20mm thick to all exposed faces curing for 90 days with all lead including cost of plastering but excluding cost of concrete etc,completete (As Per EOI)	Each	10.00	893.00	8,930
20	KSRB 24-44: Repairs to plaster in patches of 2.5 sqm and less in walls, ceilings 10 to 20mm thick in cement mortar 1:4 including cutting the patches in proper shape and replastering the surface of the wall including disposal of rubbish with a lead of 50m including curing cost of materials, labour, complete as per specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133	Sqm	283.89	304.70	86,500
21	Providing and fixing Special make glazed Vitrified tiles (Granomite finish) of approved make, quality and colour of size 600x600x10mm thick fixed on existing flooring with a special roffe adhesive for flooring and skirting etc., complete including providing spears at required interval and removing stains etc., complete. (P.No. 109, I.No. 14.43 of SR 2018-19).	Sqm	218.80	1452.00	317,698
22	Providing and laying of teak wooden polished flooring of 12mm thick, high density timber of approved colour and design with end trims, transition, profiles, beading, 15mm thick felt, and 20 micron polyester film with 4mm thick foam underlay etc., (P.No.113, I.No.14.70 of PWD SR 2018-19)	Sqm	27.67	5280.00	146,098
23	KSRB 14.14-5: Providing Ceramic tiles of approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing, complete as per specifications for Ceramic Tiles of size 30x30cms 6mm thick. PWD 18-19,SI No.14.36.2,Pg No.107 and 108	Sqm	286.32	1332.10	381,407
24	Providing and laying pattern flooring for staircase treads and risers using the combination of 20mm thick ruby red granite @ 66%,20 mm thick grey granite @ 20%, 20mm thick, 20mm thick black granite 14%. The granite materials are laid on existing bed of CM 1:3 20mm thick pointed with colour pigment, including full rounding for nosing, flaming the ruby red granite for 50 mm wide curing etc., complete as per specification. (P.No. 109, I.No. 14.46 of PWD SR 2018-19)	Sqm	39.69	7914.50	314,127
25	Repairing door and window frames with available wood to the required size. PWD 18-19,SI No.37.12,Pg No 267	Sqm	78.40	753.50	59,074

Sr .No.	Description	Unit	Quantity	Rate	Amount
26	Repairing and fixing shutters (panelled or glazed) to doors, windows, ventilators and cupboards. PWD 18-19,SI No.37.13,Pg No.267	Sqm	78.40	753.50	59,074
27	KSRB 15-15.1: Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - do- with primer PWD 18-19,SI No.15.51.2,Pg No.119	Sqm	739.88	99.00	73,248
28	Supplying and fixing new Mangalore tiles on existing reepers. PWD 18-19,SI No.37.9,Pg No.267	Sqm	326.23	447.70	146,054
29	KSRB 8.4: Providing and fixing Mangalore tile roofing using first class tiles with necessary special tiles for ridges and hips, wood reepers and pointed with cement mortar 1:4 over the existing rafters including cost of materials, labour, curing complete as per specifications. Specification No. KBS 8.17KSRB 8.4-2: do- Nandi wood reepers of size 50x25mm PWD 18-19,SI No.8.11	Sqm	217.49	895.40	194,739
30	Removing and fixing old Mangalore ridge tiles including pointing with C.M. 1:3. PWD 18-19,SI No.37.10,Pg No.267	Rmt	47.20	111.10	5,244
31	KSRB 15-17.19: Providing and applying painting one coat (excluding priming coat) on previously painted wood surface and / or wood based surface with black japan paint to give an even shade after cleaning the surface of all dirt, dust and foreign matter, including cost of materials, labour, complete as per specifications. PWD 18-19,SI No.15.71,Pg No.123	Sqm	103.01	61.60	6,345
32	KSRB 15-17.19:Applying additional one coat (excluding priming coat) on previously painted wood surface and / or wood based surface with black japan paint to give an even shade after cleaning the surface of all dirt, dust and foreign matter, including cost of materials, labour, complete as per specifications. PWD 18-19,SI No.15.72,Pg No.123	Sqm	103.01	55.00	5,666
33	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification PWD 18-19,SI No.10.5.1,Pg No 69	Sqm	92.28	578.60	53,393

Sr .No.	Description	Unit	Quantity	Rate	Amount
34	Fabrication supplying and erecting M.S. Tubular Truss of all spans as per approved drawing and design with prefabricated steel applications using quality material and are durable, reliable and corrosion and abrasion resisitant. Welding shall confirm to latest structural welding code. Quality shall be on various parametres like shape, size, design gauge and polish. The entire truss is anchored in RCC column by using 4 Nos. of M.S. anchor bolts at each support, with 10mm thick base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S pipes and wleding wherever necessary, and applying one coat of red oxide primer coat to all themembers including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, etc., complete as per specification (P.No.43, SI.No. 7.29 of PWD SR 2018-19)	Kg	1875.00	122.10	228,938
35	Providing and fixing of pre pigmented extruded orange cement roof tiles of size 420mm x 330mm with necessary specials such as Ridges, Barges and Nails etc. including cast of providing PVC (6.00kgs/sq cm) gutters of min 6" radius and down water pipes of 4" dia as per the roof design on EXISTING MS/WOODEN ROOF or TRUSS. Including cost of materials, scaffoldings, labour etc., compelte as per specifications. (P.No.48, SI.No. 8.29 of PWD SR 2016-17)	Sqm	75.00	793.10	59,483
В	External Development - Softscape & Hardscape				
36	Providing and fixing Vitrified glazed tiles of approved make, quality & colour of size 900 x 900 x 12mm thick fixed on bed of 12mm thick cement mortar for flooring, skirting and JOinted with neat cement slurry mixed with pigment to mach shade of tiles, including providing spacers at required interval and removing stains, including cost of all mateirals, mortar, labour, etc., Complete as per specification. (KPWD 18-19,SI.No.14.45.1)	Sqm	174.00	1446.50	251,691
37	KSRRB M300- Planting and Maintaining of Flowering Plants and Shrubs KSRRB M300- 8.1. Planting and Maintaining of Flowering Plants and Shrubs - A) Planting flowring plants and shrubs in central verge MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149	Rmt	170.00	50.60	8,602
38	Providing and laying heavy duty Tactile Tiles (Direction and Stop tiles-300 x 300 mm) 60mm thick and Yellow in colour , using cement and course sand for manufacture of blocks of approved size, shape with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. (As Per EOI)	Sqm	90.00	912.00	82,080
39	Providing and laying artline grass pavers or equivqlent block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge. (Non SOR)	Sqm	65.00	2067.00	134,355
40	KSRB 2.9 : Spreading and forming the excavated earth to required level, slope for an average thickness of 75mm. in all classes of soils including breaking clods and tamping manually alround the building and low laying areas complete as per specifications.specification. No. KBS : (KSRB 18-19,Pg No.7,Sl No.2.16)	Sqm	155.00	9.90	1,535

Sr .No.	Description	Unit	Quantity	Rate	Amount
41	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete. do- of size 450 x 150 x 400 mm (KSRRB 18-19,Pg No.27,SI No.5.29.1)	Nos	244.00	514.80	125,611
	GRAND TOTAL				4,349,920

GST @12% on SOR & Non SOR 4,267,840 512141 GST @18% on Market 0 0

Executive Engineer MSCL Mangaluru

G M Technical MSCL Mangaluru

MANGALURU SMART CITY 1.3 Measurement of E-SMART SCHOOL - LPS Hoigebazar

Sr.No. Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
KSRRB M200-7.1. Clearing grass and removal of		1405.	Lengui	Dreautii	Бериі	Quantity
manual means and stacking outside the periphery						
1 cleaned complete as per specifications. MORTH S						
201						
PWD 18-19,Page No 138,SI No.18.10)						
Total Area	Sqm	1	1447.00	Area		1447.00
Ded	Sqm	-1	508.00	Area		-508.00
	Sqm Ha					939.00 0.094
	па					0.094
KSRB 24-9 : Cleaning and washing of stone maso	onry wall surface					
with nitric acid including cost of materials, labour,						
specifications. Specification No.KBS 18-19,						
(Page No 130,SI No : 16.4)			0.40		0.00	20.00
Compound wall - Front side	Sqm	2	8.40 63.80		2.00	33.60
Right side Left side	Sqm Sqm	2 2	63.50		1.30 2.30	165.88 292.10
Back side	Sqm	2	26.30		2.30	120.98
Pillar	Sqm	2	3.20		2.00	12.80
Stage	Sqm	2	15.20		0.73	22.19
	Sqm			Total		647.55
Providing and construction laterite size stone mas						
cost and conveyance of all materials curing etc. co specification.I.S.3620/1979 having compressive si						
then 3.5N/mm2 for saturated dry samples.For sup						
CM 1:6 (Cement 45 kgs/M3)	or director of in					
(KPWD 18-19,Page No 384,SI No : 42.5.3)						
Compound wall - Front side	Cum	1	3.36	0.23	2.00	1.55
Right side	Cum	1	25.52	0.23	1.30	7.63
Left side	Cum	1	25.40	0.23	2.30	13.44
Back side	Cum	1	10.52	0.23	2.30	5.57
Pillar Sitting Arraangement	Cum Cum	11	1.28 1.50	0.23 0.23	2.00 1.00	1.18 3.80
Total Quantity	Cum	- 11	1.50	Total	1.00	33.17
Total Quality	Juni			Total		00.17
KSRB 15.3.10 Providing 20mm thick cement plas	ter in single coat					
with cement mortar 1:4, to stone masonry and of						
including rounding off corners wherever re						
4 rendering, : Providing and removing scaffolding,						
materials, labour, curing complete as per specifica PWD 18-19,SI No.15.19,Pg No 116	ations.					
F WD 10-19,31 No. 13. 19,F g No 110						
Compound wall - Front side	Sqm	2	3.36		2.00	13.44
Right side	Sqm	2	25.52		1.30	66.35
Left side	Sqm	2	25.40		2.30	116.84
Back side	Sqm	2	10.52		2.30	48.39
Pillar		2	1.28		2.00	5.12
	Sqm					
Sitting Arraangement	Sqm	11	3.46	Tatal	1.00	38.06
Total Quantity	Sqm			Total		288.20
KSRB 15-16.1 : Providing and finishing external w	valls in two coats					
with waterproof cement paint of approved bran						
give an even shade after throughly brooming						
remove all dirt and loose powdered material, f						
drops and other foreign matter cost of materials, i	abour, complete					
as per specifications.						
- do - with Primer						
PWD 18-19,SI No.15.53.2,Pg No 120 Compound wall - Front side	Cam	2	8.40		2.00	33.60
Right side	Sqm Sqm	2	63.80		1.30	165.88
Left side	Sqm	2	63.50		2.30	292.10
Back side	Sqm	2	26.30		2.30	120.98
Pillar	Sqm	2	3.20		2.00	12.80
Sitting Arraangement	Sqm	11	3.46		1.00	38.06
B1 Block		1	40			
Outside Building	Sqm	1	105.00		4.70	493.50
		i	1	1		
Deduction	Cana	c	4 20		2 4 2	15 10
Deduction Door-D	Sqm Sqm	-6 -1	1.20		2.10	-15.12 -2.10
Deduction Door-D Door-D1	Sqm	-1	1.00		2.10	-2.10
Deduction Door-D						
Deduction Door-D Door-D1 Window-W	Sqm Sqm	-1 -28	1.00 1.00		2.10 1.50	-2.10 -42.00

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	Block 2 Outside wall	Sqm	1	20.12		3.00	60.36
	Ded					0.00	
 	Door-D	Sqm	-1	0.90		2.10	-1.89
	Door-D1 Ventilator-V	Sqm Sqm	-1 -2	1.25 0.25		2.10 0.25	-2.63 -0.13
	Ramp Side	Sqm	2	1.50		0.15	0.45
	Block 3						
<u> </u>	Outside Wall	Sqm	1	22.00		3.50	77.00
	Ded Door - D	Sqm	-2	0.80		1.90	-3.04
	Ventilator-V	Sqm	-2	0.60		0.60	-0.72
	Stage	Sqm	1	30.40		0.73	22.19
 		Sqm			Total		1308.34
6	Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, complete as per specifications. (KPWD 18-19,SI No.15.103)						
	Compound wall - Front side	Sqm	1	8.40		2.00	16.80
 	Right side	Sqm	1	63.80		1.30	82.94
	B1 Block Total Qty	Sqm Sqm	1	55.00	Total	1.20	66.00 165.74
	Total Qty	Sqm			i Ulai		103.74
7	KSRRB MS00-10 Painting new letter and figures of any shade with synthetic enamel paint black or any other approved colour to give an even shade complete as per specifications. ("ii) English and Roman - Hyphen and the like not to be measured and paid for" MORTH Specification No.801 (KSRRB 18-19,SI No.24.10)						
	Total Qty-Name Plate, Signages & School Entrance signages on	Cm	15	50.00			750.00
ļ	wall		13	30.00			
		Cm			Total		750.00
8	Cleaning RCC sump tanks and RCC overhead tanks with mechanical dewatering including removal of sludge, mud, dirt, algea etc and cleaning the wall surface of tanks using high pressure jet, vacuum cleaning and spraying anti bacterial treatment to the wall and ceiling surfaces and UV treatment, including removing of sludge etc, using suitable coconut broomstick, squeesers I wipers I rubber brushes, coir brushes, plastic buckets, mugs, dewatering using motor with portal arrangement, hose pipe etc., complete including all safety measures.						
	(KPWD 18-19.SI No.10.7) Total Qty	L	10000				10000.00
	Total Qty	Ltr	10000		Total		10000.00
9	KSRB 15-18.3 : Providing and applying enamel metal paint one coat (excluding priming coat) on previously painted steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. PWD 18-19,SI No.15.75,Pg No 123	and applying enamel metal paint one at) on previously painted steel or other give an even shade after cleaning oil, eign matter, including cost of materials, ecifications.					
	Entrance Gate	Sqm	1	1.50		2.00	3.00
	Ramp Hand Rail	Sqm	2	2.70		0.75	4.05
	Ramp Hand Rail MS Door	Sqm Sqm	2	1.45 1.25		1.00 2.10	2.90 5.25
	100 000				1		7.80
	MS Vertiacl Pipe support	Sqm	13	0.20		3.00	1.00
			13	0.20	Total	3.00	
10	MS Vertiacl Pipe support	Sqm	13	0.20	Total	3.00	
10	MS Vertiacl Pipe support Total Qty KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 PWD 18-19,SI No.2.3,Pg No 6	Sqm Sqm	13	105.00	Total 0.30	0.45	23.00
10	MS Vertiacl Pipe support Total Qty KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 PWD 18-19,SI No.2.3,Pg No 6	Sqm Sqm					23.00

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	SWD - 0.45m Clear Width	Cum	1	189.09	0.95	1.01	181.43
	SWD Chamber	Cum	10	0.70	0.70	0.50	2.45
	UPVC Pipe	Cum	1	30.00	0.75	0.58	12.99
		Cum			Total		216.74
	KSRB 4-1.6; Providing and laying in position plain cement						
	concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down						
	size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in						
11	layers not exceeding 15 ems. thick, well compacted, in foundation,						
1 1	plinth and cills, including cost of all materials, labour, HOM curing						
	complete as per specifications. Specification No. KBS 4.1, 4.2						
	PWD 18-19,SI No.4.6,Pg No 13						
	-						
	RCC Covered Drain						
	PCC for Raft						
	SWD - 0.45m Clear Width	Cum	1	189.09	0.95	0.10	17.96
	SWD Chamber	Cum	10	0.70	0.70	0.10	0.49
					Total		18.45
	Providing and laying in position reinforced cement concrete of						
	design mix M25 with OPC cement @ 340kgs, with 20mm and						
	down size graded granite metal coarse aggregates @0.70 cum						
	and fine aggregates @ 0.47cum, with super plasticisers @ 3 liters conforming to IS 9103-1999 reafirmed-2008 at machine mixed,						
	concrete laid in layers not exceeding 15 cms thick, vibrated for all						
	works in foundation for footings, pedestrals, retaining walls,						
12	returnwalls, walls (any thickness) including attached pilasters,						
	columnspillars, posts, struts, buttresses, bed blocks, anchor						
	blocks & plinths etc including cost of all materials, labour, HOM of						
	machinery, curing, complete but excluding cost of reinforcement						
	as per specifications.						
	PWD 18-19,SI No.4.10,Pg No 14						
	RCC Covered Drain						
	Raft	0	4	400.00	0.05	0.45	40.44
	SWD - 0.45m Clear Width SWD Chamber	Cum	10	189.09	0.65	0.15	18.44
	Side wall	Cum	10	0.50	0.50	0.10	0.25
	SWD - 0.45m Clear Width	Cum	2	189.09	0.10	0.61	23.07
	SWD Chamber	Cum	10	1.20	0.10	0.30	0.36
	Covered Slab	Odiii		1.20	0.10	0.00	0.00
	SWD - 0.45m Clear Width	Cum	1	189.09	0.45	0.15	12.76
		Cum					54.88
	Providing TMT steel reinforcement for R.C.C work including						
	straightening, cutting, bending, hooking, placing in position,						
	lapping and / or welding wherever required, tying with binding wire						
	and anchoring to the adjoining members wherever necessary						
13	complete as per design (laps and wastage shall not be measured				Kg/Cum		
	and paid) cost of materials, labour, HOM of machinery complete				g, & a		
	with all lead lifts and as per specifications and directinon of						
	Engineer-in-Charge. FE 500						
	PWD 18-19,SI No.4.46.2,Pg No 18						
	RCC Covered Drain				+		
	Raft	Kg	1	18.69	75		1401.75
	Side wall	Kg	1	23.43	75		1757.25
	Covered Slab	Kg	1	12.76	75		957.00
		Kg			<u> </u>		4116.00
		МŤ					4.12
	Providing and removing, centering, shuttering, strutting, propping						
	etc., and removal of form work for foundations, footings, bases of						
14	columns for mass concrete including cost of all materials, labour						
	complete as per specifications						
	PWD 18-19,SI No.4.28,Pg No 16						
	RCC Covered Drain Raft side				 		
	SWD - 0.45m Clear Width	Sqm	2	189.09	+	0.15	56.73
	SWD - 0.45m Clear Width	Sqm	10	2.00	+	0.15	2.00
	RCC Covered Drain	24111	.,	2.00	†	5.10	2.00
					†		
	Slab Bottom						
_		Sqm	1	189.09	0.45		85.09
	Slab Bottom	Sqm	1	189.09	0.45		85.09
	SIAB Bottom SWD - 0.45m Clear Width	Sqm	1 2	189.09	0.45	0.15	85.09 56.73
	Slab Bottom SWD - 0.45m Clear Width Slab side				0.45	0.15	

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	Providing and removing centering, shuttering, strutting, propping					, i	
	etc., and removal of form work for vertical surface such as walls						
15	at any thickness, including attached pilasters, buttresses plinth cills and string courses cost of all materials, labour complete as						
	per specifications.						
	PWD 18-19,SI No.4.31,Pg No 16						
	RCC Covered Drain						
	Wall side			400.00			404.00
	SWD - 0.45m Clear Width SWD Chamber	Sqm Sqm	10	189.09 2.00		0.61 0.30	461.38 6.00
	OWD Chamber	Sqm	10	2.00		0.50	467.38
		- 4					
	KSRRB M2200 - Providing Weep holes Providing weep holes in						
	Brick masonry / Plain / Reinforced concrete abutment, wing wall /						
16	return wall with 100mm dia AC pipe, extending through the full width of the structure with slope of 1V:20H towards drawing force						
10	complete as per drawing and Technical specifications complete						
	as per specifications.						
	PWD 18-19,SI No.28.10,Pg No 229						
	RCC Covered Drain						
	SWD Chamber	Nos	20.00				20.00
		Nos					20.00
	KSRB 2-4 : Refilling available earth around pipe lines, cables in						
	layers not exceeding 20cms in depth, compacting each deposited						
17	layer by ramming after watering with lead upto 50m. and lift upto						
	1.5 m. including cost of all labour complete as per specifications.						
	PWD 18-19,SI No.2.11,Pg No 7						
	RCC Covered Drain						
	Total Excavated Qty	Cum	1				196.87
	PCC Qty	Cum	-1				-18.45
	RCC Qty UPVC Pipe 110mm Dia	Cum Cum	-1 -1	30.00	0.01		-54.88 -0.28
	or ve ripe Hollilli bia	Cum	-1	30.00	0.01		123.26
	Providing and fixing unplasticised PVC pipes with working						
	pressure 10 kg/sq.cm with pipe fittings, clips, making good the						
18	floor, including cost of all materials, labour charges, HOM and testing complete as per specifications.						
	KSRB 18-19,Pg No.77,SI No.11.56.2						
	, , ,						
	do- with 110mm outer dia						
	RCC Covered Drain	Rmt	1.00	30.00			30.00
		Rmt					30.00
	Providing & Fixing CI Grating (325 x 325mm) for road gully cover						
	including fixing the cover and CM 1:3 Plastering 20mm thick to all						
	exposed faces curing for 90 days with all lead including cost of						
19	plastering but excluding cost of concrete etc,completete						
	(As Per EOI)						
	CWD Chambar	F'	40.00				40.00
	SWD Chamber	Each Each	10.00				10.00 10.00
		Lavii	<u> </u>				10.00
	KSRB 24-44 : Repairs to plaster in patches of 2.5 sqm and less in		1				
	walls, ceilings 10 to 20mm thick in cement mortar 1:4 including						
	cutting the patches in proper shape and replastering the surface						
20	of the wall including disposal of rubbish with a lead of 50m including curing cost of materials, labour, complete as per						
	specifications. Specification No.KBS 24.2.1						
	PWD 18-19,SI No.16.39,Pg No 133						
	B1 Block Outside wall	C~~-	4	105.00		4.70	400.50
	B2 Block	Sqm	1	105.00		4.70	493.50
	Outside wall	Sqm	1	20.12		3.00	60.36
	Block 3	•					
	Outside wall	Sqm	1	22.00		3.50	77.00
	Total 459/ Quantity	Sqm	1		Total		630.86
	Total 45% Quantity	Sqm			Total	1	283.89

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
21	Providing and fixing Special make glazed Vitrified tiles (Granomite finish) of approved make, quality and colour of size 600x600x10mm thick fixed on existing flooring with a special roffe adhesive for flooring and skirting etc., complete including providing spears at required interval and removing stains etc., complete. (P.No. 109, I.No. 14.43 of SR 2018-19).						
	B1 Block						
	Anganavadi	Sqm	1	2.30	4.80		11.04
	Skirting	Sqm	1	14.20	4.00	0.15	2.13
	Class Room Skirting	Sqm Sqm	1	5.60 20.80	4.80	0.15	26.88 3.12
	Class Room	Sqm	1	4.85	7.63	00	37.01
	Skirting	Sqm	1	24.96		0.15	3.74
	Class Room	Sqm	1	9.10 27.92	4.86	0.15	44.23
	Skirting Passage	Sqm Sqm	1	16.00	1.90	0.15	30.40
	Skirting	Sqm	1	16.00	1.00	0.15	2.40
	Passage	Sqm	1	24.50	2.04		49.98
	Skirting	Sqm	1	24.50	T -4-1	0.15	3.68
	Total Qty	Sqm			Total		218.80
22	Providing and laying of teak wooden polished flooring of 12mm thick, high density timber of approved colour and design with end trims, transition, profiles, beading, 15mm thick felt, and 20 micron polyester film with 4mm thick foam underlay etc., (P.No.113, I.No.14.70 of PWD SR 2018-19)						
	B1 Block						
	Principal's Room	Sqm	1	4.85	5.09		24.69
	Skirting	Sqm	1	19.88		0.15	2.98
	Total Qty	Sqm			Total		27.67
23	and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing, complete as per specifications for Ceramic Tiles of size 30x30cms 6mm thick. PWD 18-19,SI No.14.36.2,Pg No.107 and 108						
	B1 Block						
	Library	Sqm	1	12.23	4.80		58.70
	Skirting Store	Sqm Sqm	1	34.06 3.30	4.80	0.15	5.11 15.84
	Skirting	Sqm	1	16.20	4.60	0.15	2.43
	B2 Block		-				
	Toilet	Sqm	1	3.66	3.50		12.81
	Dadooing Toilet	Sqm	1	14.32 1.75	2.50	2.10	30.07
	Dadooing	Sqm Sqm	1	10.50	3.50	2.10	6.13 22.05
	Ded	<u> </u>				20	
	Door-D	Sqm	-1	0.90		2.10	-1.89
	Door-D1 Ventilator-V	Sqm	-1 -2	1.25 0.25		2.10 0.25	-2.63 -0.13
	Block 2	Sqm	-2	0.20		0.25	-0.13
	Toilet	Sqm	2	4.54	2.66		24.11
	Dadooing	Sqm	4	7.20		2.10	60.44
	Ded Dear D	Cam	-2	0.00		1.90	2.04
	Door-D Stage	Sqm Sqm	- <u>-2</u> 1	0.80 8.80	6.40	1.90	-3.04 56.32
	Total Qty	Sqm		0.00	Total		286.32
24	Providing and laying pattern flooring for staircase treads and risers using the combination of 20mm thick ruby red granite @ 66%,20 mm thick grey granite @ 20%, 20mm thick, 20mm thick black granite 14%. The granite materials are laid on existing bed of CM 1:3 20mm thick pointed with colour pigment, including full rounding for nosing, flaming the ruby red granite for 50 mm wide curing etc., complete as per specification. (P.No. 109, I.No. 14.46 of PWD SR 2018-19)	·					
	B1 Block						
	Entry Step Tread	Sqm	1	3.45	0.30		1.04
			4	2.95	0.30	1	0.89
	Entry Step Tread	Sqm	1				
	Entry Step Tread Entry Step Tread Entry Step Tread	Sqm Sqm Sqm	1	2.50 1.20	0.30 Area		0.75

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	Riser	Sqm	1	2.95		0.15	0.44
	Riser	Sqm	1	2.50		0.15	0.38
	Riser	Sqm	1	1.20		0.15	0.18
	Riser	Sqm	1	2.70		0.15	0.41
	Sitting	Sqm	11	1.65	0.23		4.17
	Ramp	Sqm	1	2.02	2.70		5.44
	Entry Step Tread	Sqm	3	1.65	0.30		1.49
	Entry Step Tread	Sqm	3	3.50	0.30		3.15
	Entry Step Tread	Sqm	3	4.45	0.30		4.01
	Entry Step Riser	Sqm	3	1.65		0.15	0.74
	Entry Step Riser	Sqm	3	3.50		0.15	1.58
	Entry Step Riser	Sqm	3	4.45		0.15	2.00
	Entry Step Riser	Sqm	3	1.69		0.15	0.76
	Entry Step Tread	Sqm	8	1.25	0.30	00	3.00
	Entry Step Riser	Sqm	10	1.25	0.00	0.15	1.88
	Entry Step Tread	Sqm	3	0.95	0.30	0.10	0.86
	Entry Step Riser	Sqm	4	0.95	0.00	0.15	0.57
	Ramp	Sqm	1	1.45	1.50	0.10	2.18
	Entry Step Tread	Sqm	2	1.00	0.30		0.60
	Entry Step Fread Entry Step Riser	Sqm	3	1.00	0.30	0.15	0.45
					0.20	0.15	
	Stage Step Tread	Sqm	2	0.95	0.30	0.45	0.57
	Stage Step Riser	Sqm	3	0.95		0.15	0.43
	Total Qty	Sqm			Total		39.69
	Repairing door and window frames with available wood to the						
25	required size.						
	PWD 18-19,SI No.37.12,Pg No 267						
	B1 Block						
	Door-D	Sqm	10	1.40		2.50	35.00
	Door-D1	Sqm	2	1.07		2.00	4.00
	Window-W	Sqm	30	1.20		1.50	54.00
	Block 2						
	Door-D	Sqm	1	0.90		2.10	2.00
	Block 3		-				
	Door-D	Sqm	2	0.80		1.90	3.00
		Sqm		0.00	Total	1.50	98.00
	Total 200/ Overtity				Total		78.40
	Total 80% Quantity	Sqm			Total		76.40
	Repairing and fixing shutters (panelled or glazed) to doors,						
26	windows, ventilators and cupboards.						
	PWD 18-19,SI No.37.13,Pg No.267						
	B1 Block						
	Door-D	Sqm	10	1.40		2.50	35.00
	Door-D1	Sqm	2	1.07		2.00	4.00
	Window-W	Sqm	30	1.20		1.50	54.00
	Block 2						
	Door-D	Sqm	1	0.90		2.10	2.00
	Block 3	•					
	Door-D	Sqm	2	0.80		1.90	3.00
							98.00
	Total 80% Quantity	Sqm			Total		78.40
	Total 5070 Quartity	<u> </u>			Total		7 01 10
	KSRB 15-15.1 : Providing and applying painting in two coats with						
	plastic emulsion paint of approved brand on wall surface to give						
	an even approved shade after thoroughly brushing the surface,						
07	free from mortar drops and other foreign matter including						
27	preparing the surface even and sand paper smooth, cost of						
	materials, labour, complete as per specifications.						
	- do- with primer						
	PWD 18-19,SI No.15.51.2,Pg No.119						
				1			
	Block 1					<u> </u>	
	Anganavadi	Sqm	2	7.10		4.20	60.00
	Class Room	Sqm	2	10.40		4.20	87.00
	Class Room	Sqm	2	12.48		4.20	105.00
	Class Room	Sqm	2	13.96		4.20	117.00
	Principal's Room	Sqm	2	9.94		4.20	83.00
	Library	Sqm	2	17.03	İ	4.20	143.00
	Store	Sqm	2	8.10		4.20	68.00
	Ded	J4:11		55	1	7.20	30.00
	Door-D	Sqm	-10	1.40		2.50	-35.00
		•					
	Door-D1	Sqm	-2	1.07	-	2.00	-4.00
	Window-W	Sqm	-30	1.20	1	1.50	-54.00
	Block 2						
	Toilet	Sqm	2	7.16	ļ	2.70	39.00
	Toilet	Sqm	2	5.25		2.50	26.00
	Ded					<u> </u>	
	Door-D	Sqm	-1	0.90		2.10	-2.00
	Door-D1	Sqm	-1	1.25		2.10	-3.00
			-2	0.25	1	0.25	. , ,

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	Ceiling	Sqm	1	3.66	3.50		13.00
	Ceiling	Sqm	1	1.75	3.50		6.00
	Block 3	Cam	4	7.00		2.05	04.00
	Toilet Ded	Sqm	4	7.20		3.25	94.00
	Door-D	Sqm	-2	0.80		1.90	-3.00
	Total Quantity	Sqm	-2	0.80	Total	1.90	739.88
	Total Quantity	Oqiii			Total		733.00
28	Supplying and fixing new Mangalore tiles on existing reepers. PWD 18-19,SI No.37.9,Pg No.267						
	Block 1	Sqm	1				501.72
	Block 3	Sqm	1				42.00
		Sqm			Total		543.72
	Total 60% Quantity	Sqm					326.23
29	KSRB 8.4: Providing and fixing Mangalore tile roofing using first class tiles with necessary special tiles for ridges and hips, wood reepers and pointed with cement mortar 1:4 over the existing rafters including cost of materials, labour, curing complete as per specifications. Specification No. KBS 8.17KSRB 8.4-2: do- Nandi wood reepers of size 50x25mm PWD 18-19,SI No.8.11						
	Block 1	Sqm	1				501.72
	Block 3	Sqm	1				42.00
		Sqm			Total		543.72
	Total 40% Quantity	Sqm					217.49
30	Removing and fixing old Mangalore ridge tiles including pointing with C.M. 1:3. PWD 18-19,SI No.37.10,Pg No.267						
	Block 1	Rmt	1	53.00			53.00
	Block 2	Rmt	1	6.00			6.00
		Rmt			Total		59.00
	Total 80% Quantity	Rmt					47.20
31	KSRB 15-17.19: Providing and applying painting one coat (excluding priming coat) on previously painted wood surface and / or wood based surface with black japan paint to give an even shade after cleaning the surface of all dirt, dust and foreign matter, including cost of materials, labour, complete as per specifications. PWD 18-19,SI No.15.71,Pg No.123						
	Block 1						
	Door-D	Sqm	10	1.40		2.50	35.00
	Door-D1	Sqm	2	1.07		2.00	4.28
	Window-W	Sqm	30	1.20		1.50	54.00
	Wooden Column	Sqm	6	0.40		2.00	4.80
	Block 2	C		0.00		0.40	4.00
	Door-D Block 3	Sqm	1	0.90		2.10	1.89
		Cam	2	0.80		1.00	2.04
	Door-D	Sqm Sqm	2	0.80	Total	1.90	3.04 103.01
		JqIII			iotai		103.01
32	KSRB 15-17.19:Applying additional one coat (excluding priming coat) on previously painted wood surface and / or wood based surface with black japan paint to give an even shade after cleaning the surface of all dirt, dust and foreign matter, including cost of materials, labour, complete as per specifications. PWD 18-19,SI No.15.72,Pg No.123						
	Block 1			 		 	
	Door-D	Sqm	10	1.40		2.5	35.00
	Door-D1	Sqm	2	1.07		2.00	4.28
	Window-W	Sqm	30	1.20		1.50	54.00
	Wooden Column	Sqm	6	0.40		2.00	4.80
		•					
	Block 2					<u> </u>	
	Door-D	Sqm	1	0.90		2.10	1.89
	Door-D Block 3						
	Door-D	Sqm Sqm Sqm	1 2	0.90	Total	2.10	1.89 3.04 103.01

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
33	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification PWD 18-19,SI No.10.5.1,Pg No 69						
	242	0		405.00		0.45	47.05
	B1 Block B2 Block	Sqm Sqm	1	105.00 20.12		0.45 0.45	47.25 9.05
	RCC Slab	Sqm	1	4.35	4.00	0.40	17.40
		Sqm	1	2.17	4.00		8.68
	B3 Block	Sqm	1	22.00		0.45	9.90
		Sqm			Total		92.28
34	Fabrication supplying and erecting M.S. Tubular Truss of all spans as per approved drawing and design with prefabricated steel applications using quality material and are durable, reliable and corrosion and abrasion resisitant. Welding shall confirm to latest structural welding code. Quality shall be on various parametres like shape, size, design gauge and polish. The entire truss is anchored in RCC column by using 4 Nos. of M.S. anchor bolts at each support, with 10mm thick base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S pipes and wleding wherever necessary, and applying one coat of red oxide primer coat to all themembers including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, etc., complete as per specification (P.No.43, SI.No. 7.29 of PWD SR 2018-19)					Kg/Sqm	
	Stage	Kg	1	10.00	7.50	25	1875.00
		Kg					1875.00
35	Providing and fixing of pre pigmented extruded orange cement roof tiles of size 420mm x 330mm with necessary specials such as Ridges, Barges and Nails etc. including cast of providing PVC (6.00kgs/sq cm) gutters of min 6" radius and down water pipes of 4" dia as per the roof design on EXISTING MS/WOODEN ROOF or TRUSS. Including cost of materials, scaffoldings, labour etc., compelte as per specifications. (P.No.48, SI.No. 8.29 of PWD SR 2016-17)						
	Stage	Sqm	1	10.00	7.50		75.00
		Sqm					75.00
36	Providing and fixing Vitrified glazed tiles of approved make, quality & colour of size 900 x 900 x 12mm thick fixed on bed of 12mm thick cement mortar for flooring, skirting and JOinted with neat cement slurry mixed with pigment to mach shade of tiles, including providing spacers at required interval and removing stains, including cost of all mateirals, mortar, labour, etc., Complete as per specification. (KPWD 18-19,SI.No.14.45.1)	Carre	4.00	20.00	4.00		70.00
	Entrance area	Sqm	1.00	38.00	1.92 1.12		73.00
	Front side Area	Sqm Sqm	1.00	90.00	1.12		101.00 174.00
	Total Qty	əqin					174.00
37	KSRRB M300- Planting and Maintaining of Flowering Plants and Shrubs KSRRB M300- 8.1. Planting and Maintaining of Flowering Plants and Shrubs - A) Planting flowring plants and shrubs in central verge MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149						
		D (1 00	170.00			170.00
	All Building side Total Qty	Rmt Rmt	1.00	170.00	Total		170.00

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
38	Providing and laying heavy duty Tactile Tiles (Direction and Stop tiles-300 x 300 mm) 60mm thick and Yellow in colour , using cement and course sand for manufacture of blocks of approved size, shape with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. (As Per EOI)						
	Surrounding Building	Sqm	1.00	90.00	1.00		90.00
	Total Qty	Sqm			Total		90.00
39	Providing and laying artline grass pavers or equivqlent block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge. (Non SOR)						
	Building Surrounding	Sgm	1.00	65.00	1.00		65.00
		Sqm			Total		65.00
40	KSRB 2.9 : Spreading and forming the excavated earth to required level, slope for an average thickness of 75mm. in all classes of soils including breaking clods and tamping manually alround the building and low laying areas complete as per specifications.specification. No. KBS : (KSRB 18-19,Pg No.7,SI No.2.16)						
	Front side	Sqm	1.00	23.85	6.5		155.00
	Total Qty	Sqm			Total		155.00
41	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete. do- of size 450 x 150 x 400 mm (KSRRB 18-19,Pg No.27,SI No.5.29.1)						
	Total Qty for 1 Kerb Stone	Cum	1.00	0.45	0.33	0.4	0.06
	Total Qty	Rmt	1.00	110.00	T. (- 1		110.00
<u> </u>	Total Qty	No			Total		244.00

Executive Engineer MSCL Mangaluru

GM Technical MSCL Mangaluru

MANGALURU SMART CITY 1.4 Rate Analysis of E-SMART SCHOOL

RATE ANALYSIS - LPS HoigeBazar

1	PWD 18-19,Page No 138,SI No.18.10)			
	Basic rate		25755	
	Sub Total		25755	
			2575.50	
	Add 10% For area weightage Total	Rate	28330.50	
	lotai	Rate	20330.30	Па
2	KSRB 24-9 : Cleaning and washing of stone labour, complete as per specifications. Specifications (Page No 130,SI No : 16.4)		acid including o	cost of mater
	Basic rate		5.00	
	Sub Total		5.00	1
	Add 10% For area weightage		0.50	t
	Total	Rate		Sqm
	(KPWD 18-19,Page No 384,SI No : 42.5.3)	per structure in CM 1:6 (Cemer		ı
		por our double in Oir 110 (Oomor	it is rigo, me,	
	<u> </u>	per directors in oil no (come.		T
	Basic rate	per di detare in em me (eeme.	3391	
	Basic rate Sub Total		3391 3391	
	Basic rate Sub Total Add 10% For area weightage		3391 3391 339.10	
	Basic rate Sub Total Add 10% For area weightage Total	Rate	3391 3391 339.10 3730.10	Cum
4	Basic rate Sub Total Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cemen and concrete surface including rounding off removing scaffolding, including cost of mate PWD 18-19,SI No.15.19,Pg No 116	Rate It plaster in single coat with ceme corners wherever required smooth	3391 339.10 3730.10 ent mortar 1:4, toth rendering, : I	Cum o stone mas
4	Basic rate Sub Total Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cemen and concrete surface including rounding off removing scaffolding, including cost of mate PWD 18-19,SI No.15.19,Pg No 116 Basic rate	Rate It plaster in single coat with ceme corners wherever required smooth	3391 339.10 3730.10 ent mortar 1:4, toth rendering, : If per specification	Cum o stone mas Providing and
4	Basic rate Sub Total Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cemen and concrete surface including rounding off removing scaffolding, including cost of mate PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total	Rate It plaster in single coat with ceme corners wherever required smooth	3391 339.10 3730.10 ent mortar 1:4, toth rendering, : If per specification 273 273	Cum o stone mas Providing and
4	Basic rate Sub Total Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cemen and concrete surface including rounding off removing scaffolding, including cost of mate PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage	Rate It plaster in single coat with ceme corners wherever required smoorials, labour, curing complete as	3391 339.10 3730.10 ent mortar 1:4, toth rendering, : If per specification 273 273 27.30	Cum o stone mas Providing and
4	Basic rate Sub Total Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cemen and concrete surface including rounding off removing scaffolding, including cost of mate PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total	Rate It plaster in single coat with ceme corners wherever required smooth	3391 339.10 3730.10 ent mortar 1:4, toth rendering, : If per specification 273 273	Cum o stone mas Providing and
4	Basic rate Sub Total Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cemen and concrete surface including rounding off removing scaffolding, including cost of mate PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1 : Providing and finishing exte brand and shade to give an even shade afte powdered material, free from mortar drops a per specifications do - with Primer	Rate It plaster in single coat with ceme corners wherever required smoorials, labour, curing complete as Rate Rate rnal walls in two coats with water throughly brooming the surface	3391 339.10 3730.10 ent mortar 1:4, to the rendering, : If per specification 273 273 27.30 300.30 rproof cement per to remove all comaterials, labour	Cum o stone mas Providing and ons. Sqm aint of approdict and loose r, complete a
	Basic rate Sub Total Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cemen and concrete surface including rounding off removing scaffolding, including cost of mate PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1 : Providing and finishing exte brand and shade to give an even shade afte powdered material, free from mortar drops a per specifications do - with Primer Basic Rate	Rate It plaster in single coat with ceme corners wherever required smoorials, labour, curing complete as Rate Rate rnal walls in two coats with water throughly brooming the surface	3391 339.10 3730.10 ent mortar 1:4, toth rendering, : If per specification 273 273 27.30 300.30 rproof cement per to remove all compaterials, labour	Cum o stone mas Providing and ons. Sqm aint of approdict and loose r, complete a
	Basic rate Sub Total Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cemen and concrete surface including rounding off removing scaffolding, including cost of mate PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1 : Providing and finishing exte brand and shade to give an even shade afte powdered material, free from mortar drops a per specifications do - with Primer	Rate It plaster in single coat with ceme corners wherever required smoorials, labour, curing complete as Rate Rate rnal walls in two coats with water throughly brooming the surface	3391 339.10 3730.10 ent mortar 1:4, to the rendering, : If per specification 273 273 27.30 300.30 rproof cement per to remove all comaterials, labour	Cum o stone mas Providing and ons. Sqm Paint of approdict and loose r, complete a

6		sing approved brand paint, appli	eu uninonniny in	tili oo ooato
6	over one coat of primer including cost of all m	•	•	
U	unloading, all lead and lift and all other incide	ntal charges including scaffoldin	ig and removing	g stains,
	complete as per specifications.			
	(KPWD 18-19,SI No.15.103)			
	Basic Rate		340.00	
	Sub Total		340	
	Add 10% For Area weightage		34.00	
	Total	Rate	374.00	
				•
	KSRRB MS00-10 Painting new letter and fig	jures of any shade with synthetic	c enamel paint l	black or any
	other approved colour to give an even shade	complete as per specifications.	("ii) English an	id Roman -
7	Hyphen and the like not to be measured and	paid for"		
	MORTH Specification No.801			
	(KSRRB 18-19,SI No.24.10)			
	Basic Rate		0.70	
	Sub Total		0.7	
	Add 10% For Area weightage		0.07	
	Total	Rate	0.77	Cm
		[
	Cleaning RCC sump tanks and RCC overhea	nd tanks with mechanical dewate	erina includina r	emoval of
8	of sludge etc, using suitable coconut broomst plastic buckets, mugs, dewatering using mot all safety measures.			
	(KPWD 18-19,SI No.10.7)		!	
	(KPWD 18-19,SI No.10.7) Basic Rate		0.35	
	(KPWD 18-19,SI No.10.7) Basic Rate Sub Total		0.35	
	(KPWD 18-19,SI No.10.7) Basic Rate Sub Total Add 10% For Area weightage	Pata	0.35 0.04	
	(KPWD 18-19,SI No.10.7) Basic Rate Sub Total	Rate	0.35	
	(KPWD 18-19,SI No.10.7) Basic Rate Sub Total Add 10% For Area weightage Total	•	0.35 0.04 0.39	L
	(KPWD 18-19,SI No.10.7) Basic Rate Sub Total Add 10% For Area weightage Total KSRB 15-18.3 : Providing and applying ename	nel metal paint one coat (excludir	0.35 0.04 0.39 ng priming coat	L i) on previously
9	(KPWD 18-19,SI No.10.7) Basic Rate Sub Total Add 10% For Area weightage Total KSRB 15-18.3 : Providing and applying enamous painted steel or other metal surface brushing	nel metal paint one coat (excluding to give an even shade after clean	0.35 0.04 0.39 ng priming coat aning oil, grease	L i) on previously
9	(KPWD 18-19,SI No.10.7) Basic Rate Sub Total Add 10% For Area weightage Total KSRB 15-18.3 : Providing and applying enampainted steel or other metal surface brushing foreign matter, including cost of materials, lab	nel metal paint one coat (excluding to give an even shade after clean	0.35 0.04 0.39 ng priming coat aning oil, grease	L i) on previously
9	(KPWD 18-19,SI No.10.7) Basic Rate Sub Total Add 10% For Area weightage Total KSRB 15-18.3 : Providing and applying enamous painted steel or other metal surface brushing foreign matter, including cost of materials, laber PWD 18-19,SI No.15.75,Pg No 123	nel metal paint one coat (excluding to give an even shade after clean	0.35 0.04 0.39 ng priming coat aning oil, grease ons.	L i) on previously
9	(KPWD 18-19,SI No.10.7) Basic Rate Sub Total Add 10% For Area weightage Total KSRB 15-18.3 : Providing and applying enamous painted steel or other metal surface brushing foreign matter, including cost of materials, label PWD 18-19,SI No.15.75,Pg No 123 Basic Rate	nel metal paint one coat (excluding to give an even shade after clean	0.35 0.04 0.39 ng priming coat aning oil, grease ons. 61.00	L i) on previously
9	(KPWD 18-19,SI No.10.7) Basic Rate Sub Total Add 10% For Area weightage Total KSRB 15-18.3 : Providing and applying enamous painted steel or other metal surface brushing foreign matter, including cost of materials, label PWD 18-19,SI No.15.75,Pg No 123 Basic Rate Sub Total	nel metal paint one coat (excluding to give an even shade after clean	0.35 0.04 0.39 ng priming coatening oil, grease ons. 61.00 61	L i) on previously e, dirt and other
9	(KPWD 18-19,SI No.10.7) Basic Rate Sub Total Add 10% For Area weightage Total KSRB 15-18.3 : Providing and applying enamous painted steel or other metal surface brushing foreign matter, including cost of materials, label PWD 18-19,SI No.15.75,Pg No 123 Basic Rate Sub Total Add 10% For Area weightage	nel metal paint one coat (excludir to give an even shade after clea bour, complete as per specificati	0.35 0.04 0.39 ng priming coat aning oil, grease ons. 61.00 61 6.10	L i) on previously e, dirt and other
9	(KPWD 18-19,SI No.10.7) Basic Rate Sub Total Add 10% For Area weightage Total KSRB 15-18.3 : Providing and applying enamous painted steel or other metal surface brushing foreign matter, including cost of materials, label PWD 18-19,SI No.15.75,Pg No 123 Basic Rate Sub Total	nel metal paint one coat (excluding to give an even shade after clean	0.35 0.04 0.39 ng priming coatening oil, grease ons. 61.00 61	L i) on previously e, dirt and other
9	(KPWD 18-19,SI No.10.7) Basic Rate Sub Total Add 10% For Area weightage Total KSRB 15-18.3 : Providing and applying ename painted steel or other metal surface brushing foreign matter, including cost of materials, label PWD 18-19,SI No.15.75,Pg No 123 Basic Rate Sub Total Add 10% For Area weightage Total	nel metal paint one coat (excludir to give an even shade after clea bour, complete as per specificati	0.35 0.04 0.39 ng priming coat aning oil, grease ons. 61.00 61 6.10 67.10	L t) on previously e, dirt and other
9	(KPWD 18-19,SI No.10.7) Basic Rate Sub Total Add 10% For Area weightage Total KSRB 15-18.3 : Providing and applying enamous painted steel or other metal surface brushing foreign matter, including cost of materials, label PWD 18-19,SI No.15.75,Pg No 123 Basic Rate Sub Total Add 10% For Area weightage Total KSRB 2-2.1 : Earthwork excavation for found	nel metal paint one coat (excludir to give an even shade after clear cour, complete as per specification of buildings, water supply,	0.35 0.04 0.39 ng priming coat aning oil, grease ons. 61.00 61 6.10 67.10 sanitary lines a	L t) on previously e, dirt and other Sqm and electrical
9	(KPWD 18-19,SI No.10.7) Basic Rate Sub Total Add 10% For Area weightage Total KSRB 15-18.3 : Providing and applying enamous painted steel or other metal surface brushing foreign matter, including cost of materials, label PWD 18-19,SI No.15.75,Pg No 123 Basic Rate Sub Total Add 10% For Area weightage Total KSRB 2-2.1 : Earthwork excavation for found conduits either in pits or in trenches 1.5m and	nel metal paint one coat (excludir to give an even shade after clear cour, complete as per specification of buildings, water supply, diabove in width, in ordinary soil	0.35 0.04 0.39 Ing priming coat aning oil, grease ons. 61.00 61 6.10 67.10 sanitary lines at not exceeding	L t) on previously e, dirt and other Sqm and electrical g 1.5 m. in depth
	(KPWD 18-19,SI No.10.7) Basic Rate Sub Total Add 10% For Area weightage Total KSRB 15-18.3 : Providing and applying ename painted steel or other metal surface brushing foreign matter, including cost of materials, label PWD 18-19,SI No.15.75,Pg No 123 Basic Rate Sub Total Add 10% For Area weightage Total KSRB 2-2.1 : Earthwork excavation for found conduits either in pits or in trenches 1.5m and including dressing the bottom and sides of pit	rel metal paint one coat (excluding to give an even shade after clear pour, complete as per specification of buildings, water supply, a above in width, in ordinary soil is and trenches, stacking the exception of the exception o	0.35 0.04 0.39 Ing priming coat aning oil, grease ons. 61.00 61 6.10 67.10 sanitary lines at not exceeding cavated soil cle	L t) on previously e, dirt and other Sqm and electrical g 1.5 m. in depth ar from edges
9	(KPWD 18-19,SI No.10.7) Basic Rate Sub Total Add 10% For Area weightage Total KSRB 15-18.3 : Providing and applying enampainted steel or other metal surface brushing foreign matter, including cost of materials, lab PWD 18-19,SI No.15.75,Pg No 123 Basic Rate Sub Total Add 10% For Area weightage Total KSRB 2-2.1 : Earthwork excavation for found conduits either in pits or in trenches 1.5m and including dressing the bottom and sides of pit of excavation with lead upto 50 m. after break	rel metal paint one coat (excluding to give an even shade after clear pour, complete as per specification of buildings, water supply, a above in width, in ordinary soil is and trenches, stacking the exception of the exception o	0.35 0.04 0.39 Ing priming coat aning oil, grease ons. 61.00 61 6.10 67.10 sanitary lines at not exceeding cavated soil cle	L t) on previously e, dirt and other Sqm and electrical g 1.5 m. in depth ar from edges
	(KPWD 18-19,SI No.10.7) Basic Rate Sub Total Add 10% For Area weightage Total KSRB 15-18.3 : Providing and applying enampainted steel or other metal surface brushing foreign matter, including cost of materials, label PWD 18-19,SI No.15.75,Pg No 123 Basic Rate Sub Total Add 10% For Area weightage Total KSRB 2-2.1 : Earthwork excavation for found conduits either in pits or in trenches 1.5m and including dressing the bottom and sides of pit of excavation with lead upto 50 m. after break KBS 2.1(a) / 2.3.5	rel metal paint one coat (excluding to give an even shade after clear pour, complete as per specification of buildings, water supply, a above in width, in ordinary soil is and trenches, stacking the exception of the exception o	0.35 0.04 0.39 Ing priming coat aning oil, grease ons. 61.00 61 6.10 67.10 sanitary lines at not exceeding cavated soil cle	L t) on previously e, dirt and other Sqm and electrical g 1.5 m. in depth ar from edges
	(KPWD 18-19,SI No.10.7) Basic Rate Sub Total Add 10% For Area weightage Total KSRB 15-18.3 : Providing and applying ename painted steel or other metal surface brushing foreign matter, including cost of materials, label PWD 18-19,SI No.15.75,Pg No 123 Basic Rate Sub Total Add 10% For Area weightage Total KSRB 2-2.1 : Earthwork excavation for found conduits either in pits or in trenches 1.5m and including dressing the bottom and sides of pit of excavation with lead upto 50 m. after break KBS 2.1(a) / 2.3.5 PWD 18-19,SI No.2.3,Pg No 6	rel metal paint one coat (excluding to give an even shade after clear pour, complete as per specification of buildings, water supply, a above in width, in ordinary soil is and trenches, stacking the exception of the exception o	0.35 0.04 0.39 Ing priming coat aning oil, grease ons. 61.00 61 6.10 67.10 sanitary lines at not exceeding cavated soil cle ecifications. specifications.	L t) on previously e, dirt and other Sqm and electrical g 1.5 m. in depth ar from edges
	(KPWD 18-19,SI No.10.7) Basic Rate Sub Total Add 10% For Area weightage Total KSRB 15-18.3 : Providing and applying ename painted steel or other metal surface brushing foreign matter, including cost of materials, label PWD 18-19,SI No.15.75,Pg No 123 Basic Rate Sub Total Add 10% For Area weightage Total KSRB 2-2.1 : Earthwork excavation for found conduits either in pits or in trenches 1.5m and including dressing the bottom and sides of pit of excavation with lead upto 50 m. after break KBS 2.1(a) / 2.3.5 PWD 18-19,SI No.2.3,Pg No 6 Basic Rate	rel metal paint one coat (excluding to give an even shade after clear pour, complete as per specification of buildings, water supply, a above in width, in ordinary soil is and trenches, stacking the exception of the exception o	0.35 0.04 0.39 Ing priming coat aning oil, grease ons. 61.00 61 6.10 67.10 sanitary lines a line exceeding cavated soil cle ecifications. specifications. specifications.	L t) on previously e, dirt and other Sqm and electrical g 1.5 m. in depth ar from edges
	(KPWD 18-19,SI No.10.7) Basic Rate Sub Total Add 10% For Area weightage Total KSRB 15-18.3 : Providing and applying enampainted steel or other metal surface brushing foreign matter, including cost of materials, label PWD 18-19,SI No.15.75,Pg No 123 Basic Rate Sub Total Add 10% For Area weightage Total KSRB 2-2.1 : Earthwork excavation for found conduits either in pits or in trenches 1.5m and including dressing the bottom and sides of pit of excavation with lead upto 50 m. after break KBS 2.1(a) / 2.3.5 PWD 18-19,SI No.2.3,Pg No 6 Basic Rate Sub Total	rel metal paint one coat (excluding to give an even shade after clear pour, complete as per specification of buildings, water supply, a above in width, in ordinary soil is and trenches, stacking the exception of the exception o	0.35 0.04 0.39 Ing priming coat aning oil, grease ons. 61.00 61 6.10 67.10 sanitary lines at not exceeding cavated soil cle ecifications. specifications. specifications.	L t) on previously e, dirt and other Sqm and electrical g 1.5 m. in depth ear from edges ecification. No.
	(KPWD 18-19,SI No.10.7) Basic Rate Sub Total Add 10% For Area weightage Total KSRB 15-18.3 : Providing and applying ename painted steel or other metal surface brushing foreign matter, including cost of materials, label PWD 18-19,SI No.15.75,Pg No 123 Basic Rate Sub Total Add 10% For Area weightage Total KSRB 2-2.1 : Earthwork excavation for found conduits either in pits or in trenches 1.5m and including dressing the bottom and sides of pit of excavation with lead upto 50 m. after break KBS 2.1(a) / 2.3.5 PWD 18-19,SI No.2.3,Pg No 6 Basic Rate	rel metal paint one coat (excluding to give an even shade after clear pour, complete as per specification of buildings, water supply, a above in width, in ordinary soil is and trenches, stacking the exception of the exception o	0.35 0.04 0.39 Ing priming coat aning oil, grease ons. 61.00 61 6.10 67.10 sanitary lines a line exceeding cavated soil cle ecifications. specifications. specifications.	L t) on previously e, dirt and other Sqm and electrical g 1.5 m. in depth ar from edges ecification. No.

11	KSRB 4-1.6; Providing and laying in position plain 20mm and down size graded granite metal coarse 0.53cum, machine mixed, concrete laid in layers not foundation, plinth and cills, including cost of all material specifications. Specification No. KBS 4.1, 4.2 PWD 18-19,SI No.4.6,Pg No 13	aggregates @ 0.878 cur ot exceeding 15 ems. thic	m and fine aggregte ck, well compacted,	es @
	Basic Rate		5900.00	
	Sub Total		5900	
	add 10% For Area weightage		590.00	
	Total	Rate	6490.00 Cu	um
12	Providing and laying in position reinforced cement 340kgs, with 20mm and down size graded granite @ 0.47cum, with super plasticisers @ 3 liters confinited, concrete laid in layers not exceeding 15 cm pedestrals, retaining walls, returnwalls, walls (any transposts, struts, buttresses, bed blocks, anchor blocks of machinery, curing, complete but excluding cost of PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total add 10% For Area weightage	metal coarse aggregates orming to IS 9103-1999 reads thick, vibrated for all wothickness) including attacts & plinths etc including c	@0.70 cum and fir eafirmed-2008 at morks in foundation for hed pilasters, coluntost of all materials, pecifications. 6198.00 6198 619.80	ne aggregates nachine or footings, nnspillars, labour, HOM
13	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requimembers wherever necessary complete as per decost of materials, labour, HOM of machinery comp directinon of Engineer-in-Charge. FE 500	ired, tying with binding wir sign (laps and wastage sh	re and anchoring to nall not be measure	oking, placing the adjoining ed and paid)
13	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requimembers wherever necessary complete as per decost of materials, labour, HOM of machinery compdirectinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18	including straightening, c ired, tying with binding wir sign (laps and wastage sh	utting, bending, hore re and anchoring to hall not be measure as per specification	oking, placing the adjoining ed and paid)
13	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requimembers wherever necessary complete as per decost of materials, labour, HOM of machinery comp directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate	including straightening, c ired, tying with binding wir sign (laps and wastage sh	eutting, bending, hore and anchoring to hall not be measure as per specification	oking, placing the adjoining ed and paid)
13	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requimembers wherever necessary complete as per decost of materials, labour, HOM of machinery comp directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total	including straightening, c ired, tying with binding wir sign (laps and wastage sh	rutting, bending, hore and anchoring to hall not be measure as per specification 70782.00	oking, placing the adjoining ed and paid)
13	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requimembers wherever necessary complete as per decost of materials, labour, HOM of machinery comp directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage	including straightening, c ired, tying with binding wir sign (laps and wastage sh lete with all lead lifts and	rutting, bending, hore and anchoring to hall not be measure as per specification 70782.00 70782 7078.20	oking, placing the adjoining ed and paid) ns and
13	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requimembers wherever necessary complete as per decost of materials, labour, HOM of machinery comp directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total	including straightening, c ired, tying with binding wir sign (laps and wastage sh	rutting, bending, hore and anchoring to hall not be measure as per specification 70782.00	oking, placing the adjoining ed and paid) ns and
13	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requimembers wherever necessary complete as per decost of materials, labour, HOM of machinery comp directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage	including straightening, c ired, tying with binding wir sign (laps and wastage shelete with all lead lifts and shelete with all lead lifts and Rate	rutting, bending, hore and anchoring to hall not be measure as per specification 70782.00 70782 7078.20 77860.20 Miles	oking, placing the adjoining ed and paid) ns and T
	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requimembers wherever necessary complete as per decost of materials, labour, HOM of machinery compidirectinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing, centering, shuttering, strutted foundations, footings, bases of columns for mass of as per specifications PWD 18-19,SI No.4.28,Pg No 16 Basic Rate Sub Total add 10% For Area weightage	including straightening, c ired, tying with binding wir sign (laps and wastage shelete with all lead lifts and shelete with all lead lifts and Rate	re and anchoring to hall not be measure as per specification 70782.00 70782 7078.20 77860.20 Milemoval of form work all materials, labout 263.00	oking, placing the adjoining ed and paid) ns and T
	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requimembers wherever necessary complete as per decost of materials, labour, HOM of machinery compidirectinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing, centering, shuttering, strutted foundations, footings, bases of columns for mass of as per specifications PWD 18-19,SI No.4.28,Pg No 16 Basic Rate Sub Total	including straightening, c ired, tying with binding wir sign (laps and wastage shelete with all lead lifts and shelete with all lead lifts and Rate	re and anchoring to hall not be measured as per specification 70782.00 70782 7078.20 77860.20 Million all materials, labout 263.00 263	oking, placing the adjoining ed and paid) ns and T k for ur complete
	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requiremembers wherever necessary complete as per decost of materials, labour, HOM of machinery complete directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing,centering, shuttering, strutted foundations, footings, bases of columns for mass of as per specifications PWD 18-19,SI No.4.28,Pg No 16 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing centering, shuttering, strutted surface such as walls at any thickness, including a cost of all materials, labour complete as per specifications pwD 18-19,SI No.4.31,Pg No 16	including straightening, coired, tying with binding wiresign (laps and wastage shalete with all lead lifts and shalete with al	re and anchoring to hall not be measure as per specification 70782.00 70782 7078.20 77860.20 Mile and affective as per specification 70782 7078.20 707	oking, placing the adjoining ed and paid) as and T k for the complete com
14	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requimembers wherever necessary complete as per decost of materials, labour, HOM of machinery compidirectinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing,centering, shuttering, strut foundations, footings, bases of columns for mass of as per specifications PWD 18-19,SI No.4.28,Pg No 16 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing centering, shuttering, strut surface such as walls at any thickness, including a cost of all materials, labour complete as per specific PWD 18-19,SI No.4.31,Pg No 16 Basic Rate	including straightening, coired, tying with binding wiresign (laps and wastage shalete with all lead lifts and shalete with al	re and anchoring to hall not be measure as per specification 70782.00 70782 7078.20 77860.20 Mile and of form work all materials, labout 263.00 263 26.30 289.30 Screen was plinth cills and sees plin	oking, placing the adjoining ed and paid) as and T k for the complete com
14	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requimembers wherever necessary complete as per decost of materials, labour, HOM of machinery compidirectinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing,centering, shuttering, strut foundations, footings, bases of columns for mass of as per specifications PWD 18-19,SI No.4.28,Pg No 16 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing centering, shuttering, strut surface such as walls at any thickness, including a cost of all materials, labour complete as per specifications PWD 18-19,SI No.4.31,Pg No 16 Basic Rate Sub Total	including straightening, coired, tying with binding wiresign (laps and wastage shalete with all lead lifts and shalete with al	re and anchoring to hall not be measure as per specification 70782.00 70782 7078.20 77860.20 Milemoval of form work all materials, labout 263.00 263 26.30 289.30 Screen was plinth cills and significant and	oking, placing the adjoining ed and paid) as and T k for the complete com
14	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requimembers wherever necessary complete as per decost of materials, labour, HOM of machinery compidirectinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing,centering, shuttering, strut foundations, footings, bases of columns for mass of as per specifications PWD 18-19,SI No.4.28,Pg No 16 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing centering, shuttering, strut surface such as walls at any thickness, including a cost of all materials, labour complete as per specific PWD 18-19,SI No.4.31,Pg No 16 Basic Rate	including straightening, coired, tying with binding wiresign (laps and wastage shalete with all lead lifts and shalete with al	re and anchoring to hall not be measure as per specification 70782.00 70782 7078.20 77860.20 Mile and of form work all materials, labout 263.00 263 26.30 289.30 Screen was plinth cills and sees plin	oking, placing the adjoining ed and paid) as and T k for the complete com

	concrete abutment, wing wall / return wall with 100	mm dia AC pipe , extend	ling through the f	ull width of the
16	structure with slope of 1V:20H towards drawing force	ce complete as per drawi	ng and Technica	I specifications
	complete as per specifications.			
	PWD 18-19,SI No.28.10,Pg No 229			
	Basic Rate		147.00	
	Sub Total		147	
	add 10% For Area weightage		14.70	
	Total	Rate	161.70	
	KSRB 2-4: Refilling available earth around pipe line	es, cables in lavers not e	xceedina 20cms	in depth.
	compacting each deposited layer by ramming after	-	•	•
17	including cost of all labour complete as per specification			
	PWD 18-19,SI No.2.11,Pg No 7			
	Basic Rate		120.00	
	Sub Total		120	
	add 10% For Area weightage		12.00	
	Total	Rate	132.00	Cum
	Providing and fixing unplasticised PVC pipes with	n working pressure 10 k	g/sq.cm with pip	e fittings, clip
	making good the floor, including cost of all material	ls, labour charges, HON	A and testing co	mplete as per
18	specifications.		· ·	
	KSRB 18-19,Pg No.77,SI No.11.56.2			
	do- with 110mm outer dia			
	Basic Rate		606.00	
			COC.	
	Sub Total		606	
	add 10% For Area weightage	Pete	60.60	Dunt
	add 10% For Area weightage Total	Rate	60.60 666.60	
19	add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for road Plastering 20mm thick to all exposed faces curing for excluding cost of concrete etc, completete	ad gully cover including f	60.60 666.60 ixing the cover a	nd CM 1:3
19	add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for roa Plastering 20mm thick to all exposed faces curing for excluding cost of concrete etc, completete (As Per EOI)	ad gully cover including f	60.60 666.60 ixing the cover a ncluding cost of p	nd CM 1:3 blastering but
19	add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for road Plastering 20mm thick to all exposed faces curing freexcluding cost of concrete etc, completete (As Per EOI) Basic Rate	ad gully cover including f	60.60 666.60 ixing the cover a ncluding cost of p	nd CM 1:3 blastering but
19	add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for road Plastering 20mm thick to all exposed faces curing for excluding cost of concrete etc, completete (As Per EOI) Basic Rate Sub Total	ad gully cover including f or 90 days with all lead ir	60.60 666.60 ixing the cover a neluding cost of p 893.00 893	nd CM 1:3 blastering but
19	add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for road Plastering 20mm thick to all exposed faces curing freexcluding cost of concrete etc, completete (As Per EOI) Basic Rate	ad gully cover including f	60.60 666.60 ixing the cover a ncluding cost of p	nd CM 1:3 blastering but
19	add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for road Plastering 20mm thick to all exposed faces curing for excluding cost of concrete etc, completete (As Per EOI) Basic Rate Sub Total	ad gully cover including for 90 days with all lead in Rate qm and less in walls, ceiproper shape and replast	60.60 666.60 ixing the cover a neluding cost of p 893.00 893 893.00 lings 10 to 20mn tering the surface	nd CM 1:3 blastering but Each thick in of the wall
	add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for road Plastering 20mm thick to all exposed faces curing for excluding cost of concrete etc, completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44: Repairs to plaster in patches of 2.5 s cement mortar 1:4 including cutting the patches in patched in	ad gully cover including for 90 days with all lead in Rate qm and less in walls, ceiproper shape and replast	60.60 666.60 ixing the cover a neluding cost of p 893.00 893 893.00 lings 10 to 20mn tering the surface	nd CM 1:3 blastering but Each thick in of the wall
	add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for roa Plastering 20mm thick to all exposed faces curing for excluding cost of concrete etc, completete (As Per EOI) Basic Rate Sub Total KSRB 24-44: Repairs to plaster in patches of 2.5 s cement mortar 1:4 including cutting the patches in princluding disposal of rubbish with a lead of 50m including disposal of rubbish with a lead of 50m including specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133	ad gully cover including for 90 days with all lead in Rate qm and less in walls, ceiproper shape and replast	60.60 666.60 ixing the cover a neluding cost of page 893.00 893 893.00 lings 10 to 20mn tering the surface erials, labour, co	nd CM 1:3 blastering but Each thick in of the wall
	add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for road Plastering 20mm thick to all exposed faces curing for excluding cost of concrete etc, completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44: Repairs to plaster in patches of 2.5 s cement mortar 1:4 including cutting the patches in princluding disposal of rubbish with a lead of 50m including disposal of rubbish with a lead of 50m including periodications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133 Basic Rate Sub Total	ad gully cover including for 90 days with all lead in Rate qm and less in walls, ceiproper shape and replast	60.60 666.60 ixing the cover a neluding cost of page 893.00 893 893.00 lings 10 to 20mn tering the surface erials, labour, co	nd CM 1:3 blastering but Each thick in of the wall
	add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for road Plastering 20mm thick to all exposed faces curing for excluding cost of concrete etc, completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44: Repairs to plaster in patches of 2.5 s cement mortar 1:4 including cutting the patches in princluding disposal of rubbish with a lead of 50m including specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133 Basic Rate	ad gully cover including for 90 days with all lead in Rate qm and less in walls, ceiproper shape and replast	60.60 666.60 ixing the cover a neluding cost of page 893.00 893.893.00 lings 10 to 20mn tering the surface erials, labour, co	nd CM 1:3 blastering but Each thick in e of the wall mplete as per
	add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for road Plastering 20mm thick to all exposed faces curing for excluding cost of concrete etc, completete (As Per EOI) Basic Rate Sub Total KSRB 24-44: Repairs to plaster in patches of 2.5 s cement mortar 1:4 including cutting the patches in princluding disposal of rubbish with a lead of 50m including specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133 Basic Rate Sub Total Add 10% For Area weightage	ad gully cover including for 90 days with all lead in Rate qm and less in walls, ceit proper shape and replast luding curing cost of mat	60.60 666.60 ixing the cover a neluding cost of page 893.00 893 893.00 lings 10 to 20mn tering the surface erials, labour, co	nd CM 1:3 blastering but Each thick in e of the wall mplete as per
	Total Providing & Fixing CI Grating (325 x 325mm) for road Plastering 20mm thick to all exposed faces curing freexcluding cost of concrete etc, completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44: Repairs to plaster in patches of 2.5 s cement mortar 1:4 including cutting the patches in princluding disposal of rubbish with a lead of 50m including disposal of rubbish with a lead of 50m including specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133 Basic Rate Sub Total Add 10% For Area weightage Total Providing and fixing Special make glazed Vitrified ticcolour of size 600x600x10mm thick fixed on existing skirting etc., complete including providing spears at	Rate Rate Granomite finish) of g flooring with a special r	60.60 666.60 ixing the cover a neluding cost of page 893.00 893 893.00 lings 10 to 20mm ering the surface erials, labour, co 277 277 27.70 304.70 approved make, roffe adhesive for	Each thick in e of the wall mplete as per quality and r flooring and
20	Total Providing & Fixing CI Grating (325 x 325mm) for road Plastering 20mm thick to all exposed faces curing freexcluding cost of concrete etc, completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44: Repairs to plaster in patches of 2.5 s cement mortar 1:4 including cutting the patches in princluding disposal of rubbish with a lead of 50m including disposal of rubbish with a lead of 50m including specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133 Basic Rate Sub Total Add 10% For Area weightage Total Providing and fixing Special make glazed Vitrified ticolour of size 600x600x10mm thick fixed on existing skirting etc., complete including providing spears at (P.No. 109, I.No. 14.43 of SR 2018-19).	Rate Rate Granomite finish) of g flooring with a special r	60.60 666.60 ixing the cover a neluding cost of page 893.00 893 893.00 lings 10 to 20mn tering the surface erials, labour, compared make, offe adhesive for moving stains etc.	Each thick in e of the wall mplete as per quality and r flooring and
20	Total Providing & Fixing CI Grating (325 x 325mm) for road Plastering 20mm thick to all exposed faces curing feexcluding cost of concrete etc, completete (As Per EOI) Basic Rate Sub Total KSRB 24-44: Repairs to plaster in patches of 2.5 s cement mortar 1:4 including cutting the patches in princluding disposal of rubbish with a lead of 50m including disposal of rubbish with a lead of 50m including specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133 Basic Rate Sub Total Add 10% For Area weightage Total Providing and fixing Special make glazed Vitrified ticolour of size 600x600x10mm thick fixed on existing skirting etc., complete including providing spears at (P.No. 109, I.No. 14.43 of SR 2018-19). Basic Rate	Rate Rate Granomite finish) of g flooring with a special r	60.60 666.60 ixing the cover a neluding cost of page 893.00 893 893.00 lings 10 to 20mm ering the surface erials, labour, compared make, approved make, roffe adhesive for moving stains etc.	Each thick in e of the wall mplete as per Sqm quality and r flooring and
20	Total Providing & Fixing CI Grating (325 x 325mm) for road Plastering 20mm thick to all exposed faces curing feexcluding cost of concrete etc, completete (As Per EOI) Basic Rate Sub Total KSRB 24-44: Repairs to plaster in patches of 2.5 s cement mortar 1:4 including cutting the patches in pincluding disposal of rubbish with a lead of 50m including disposal of rubbish with a lead of 50m including specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133 Basic Rate Sub Total Add 10% For Area weightage Total Providing and fixing Special make glazed Vitrified tile colour of size 600x600x10mm thick fixed on existing skirting etc., complete including providing spears at (P.No. 109, I.No. 14.43 of SR 2018-19). Basic Rate Sub Total	Rate Rate Granomite finish) of g flooring with a special r	60.60 666.60 ixing the cover an ocluding cost of page 893.00 893 893.00 lings 10 to 20mm rering the surface erials, labour, co 277 277 277 277 277 277 277 277 27.70 304.70 approved make, roffe adhesive for moving stains etc.	Each thick in e of the wall mplete as per quality and r flooring and
20	Total Providing & Fixing CI Grating (325 x 325mm) for road Plastering 20mm thick to all exposed faces curing feexcluding cost of concrete etc, completete (As Per EOI) Basic Rate Sub Total KSRB 24-44: Repairs to plaster in patches of 2.5 s cement mortar 1:4 including cutting the patches in princluding disposal of rubbish with a lead of 50m including disposal of rubbish with a lead of 50m including specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133 Basic Rate Sub Total Add 10% For Area weightage Total Providing and fixing Special make glazed Vitrified ticolour of size 600x600x10mm thick fixed on existing skirting etc., complete including providing spears at (P.No. 109, I.No. 14.43 of SR 2018-19). Basic Rate	Rate Rate Granomite finish) of g flooring with a special r	60.60 666.60 ixing the cover a neluding cost of page 893.00 893 893.00 lings 10 to 20mm ering the surface erials, labour, compared make, approved make, roffe adhesive for moving stains etc.	Each Thick in e of the wall mplete as per quality and r flooring and c., complete.

	Providing and laying of teak wooden polished flooring	ng of 12mm thick, high de	nsity timber of approve	ed colo
00	and design with end trims, transition, profiles, beadi	ing, 15mm thick felt, and 2	20 micron polyester filr	m with
22	4mm thick foam underlay etc.,			
	(P.No.113, I.No.14.70 of PWD SR 2018-19)			
	Basic Rate		4800.00	
	Sub Total	 		
			4800	
	Add 10% For Area weightage		480.00	
	Total	Rate	5280.00 Sqm	
	KCDD 44.44 5: Dreviding Coronic files of congress		· flagging than also of ata	
	KSRB 14.14-5: Providing Ceramic tiles of approved	•	•	•
	landings laid on a bed of 12mm thick, cement morta			
23	pigment, including cost of materials, labour, curing	, complete as per specific	ations for Ceramic I	lies of
	size 30x30cms 6mm thick.			
	PWD 18-19,SI No.14.36.2,Pg No.107 and 108			
	Basic Rate		1211.00	
	Sub Total		1211	
	Add 10% For Area weightage		121.10	
	Total	Rate	1332.10 Sqm	
-		•		
	Providing and laying pattern flooring for staircase tr	eads and risers using the	combination of 20mm	thick
	ruby red granite @ 66%,20 mm thick grey granite @	•		
0.4	granite materials are laid on existing bed of CM 1:3			
24	rounding for nosing, flaming the ruby red granite for			
		50 mm wide curing etc.,	complete as per speci	lication
	(P.No. 109, I.No. 14.46 of PWD SR 2018-19)		<u> </u>	
	Basic Rate		7195.00	
	Sub Total		7195	
	Add 10% For Area weightage		719.50	
	Total	Rate	7914.50 Sqm	
25	Repairing door and window frames with available w	ood to the required size.		
25	PWD 18-19,SI No.37.12,Pg No 267			
	Basic Rate		685.00	
	Basic Rate Sub Total			
	Sub Total		685	
		Rate	685 68.50	
	Sub Total Add 10% For Area weightage	Rate	685	
	Sub Total Add 10% For Area weightage Total		685 68.50 753.50 Sqm	
26	Sub Total Add 10% For Area weightage Total Repairing and fixing shutters (panelled or glazed) to		685 68.50 753.50 Sqm	
26	Sub Total Add 10% For Area weightage Total Repairing and fixing shutters (panelled or glazed) to PWD 18-19,SI No.37.13,Pg No.267		685 68.50 753.50 Sqm ors and cupboards.	
26	Sub Total Add 10% For Area weightage Total Repairing and fixing shutters (panelled or glazed) to PWD 18-19,SI No.37.13,Pg No.267 Basic Material Rate		685 68.50 753.50 Sqm ors and cupboards.	
26	Sub Total Add 10% For Area weightage Total Repairing and fixing shutters (panelled or glazed) to PWD 18-19,SI No.37.13,Pg No.267 Basic Material Rate Sub Total		685 68.50 753.50 Sqm ors and cupboards. 685.00 685	
26	Sub Total Add 10% For Area weightage Total Repairing and fixing shutters (panelled or glazed) to PWD 18-19,SI No.37.13,Pg No.267 Basic Material Rate Sub Total Add 10% For Area weightage for Labour	o doors, windows, ventilate	685 68.50 753.50 Sqm ors and cupboards. 685.00 685 68.50	
26	Sub Total Add 10% For Area weightage Total Repairing and fixing shutters (panelled or glazed) to PWD 18-19,SI No.37.13,Pg No.267 Basic Material Rate Sub Total		685 68.50 753.50 Sqm ors and cupboards. 685.00 685	
26	Sub Total Add 10% For Area weightage Total Repairing and fixing shutters (panelled or glazed) to PWD 18-19,SI No.37.13,Pg No.267 Basic Material Rate Sub Total Add 10% For Area weightage for Labour Total	o doors, windows, ventilate	685 68.50 753.50 Sqm ors and cupboards. 685.00 685 68.50 753.50 Sqm	
26	Sub Total Add 10% For Area weightage Total Repairing and fixing shutters (panelled or glazed) to PWD 18-19,SI No.37.13,Pg No.267 Basic Material Rate Sub Total Add 10% For Area weightage for Labour Total KSRB 15-15.1 : Providing and applying painting in the sub Total	Rate	685 68.50 753.50 Sqm ors and cupboards. 685.00 685 68.50 753.50 Sqm alsion paint of approved	
26	Sub Total Add 10% For Area weightage Total Repairing and fixing shutters (panelled or glazed) to PWD 18-19,SI No.37.13,Pg No.267 Basic Material Rate Sub Total Add 10% For Area weightage for Labour Total KSRB 15-15.1 : Providing and applying painting in to on wall surface to give an even approved shade after	Rate wo coats with plastic emuer thoroughly brushing the	685 68.50 753.50 Sqm ors and cupboards. 685.00 685 68.50 753.50 Sqm alsion paint of approved surface, free from more	ortar
	Sub Total Add 10% For Area weightage Total Repairing and fixing shutters (panelled or glazed) to PWD 18-19,SI No.37.13,Pg No.267 Basic Material Rate Sub Total Add 10% For Area weightage for Labour Total KSRB 15-15.1 : Providing and applying painting in the sub Total	Rate wo coats with plastic emuer thoroughly brushing the	685 68.50 753.50 Sqm ors and cupboards. 685.00 685 68.50 753.50 Sqm alsion paint of approved surface, free from more	ortar
26	Sub Total Add 10% For Area weightage Total Repairing and fixing shutters (panelled or glazed) to PWD 18-19,SI No.37.13,Pg No.267 Basic Material Rate Sub Total Add 10% For Area weightage for Labour Total KSRB 15-15.1 : Providing and applying painting in to on wall surface to give an even approved shade after	Rate wo coats with plastic emuer thoroughly brushing the	685 68.50 753.50 Sqm ors and cupboards. 685.00 685 68.50 753.50 Sqm alsion paint of approved surface, free from more	ortar
	Sub Total Add 10% For Area weightage Total Repairing and fixing shutters (panelled or glazed) to PWD 18-19,SI No.37.13,Pg No.267 Basic Material Rate Sub Total Add 10% For Area weightage for Labour Total KSRB 15-15.1 : Providing and applying painting in to on wall surface to give an even approved shade aftedrops and other foreign matter including preparing to the surface and the surface are supposed to the surface and the surface are supposed to the surface and the surface are supposed to the surface and the surface are supposed to the surface and the surface are supposed to the surface and the surface are supposed to the surface a	Rate wo coats with plastic emuer thoroughly brushing the	685 68.50 753.50 Sqm ors and cupboards. 685.00 685 68.50 753.50 Sqm alsion paint of approved surface, free from more	ortar
	Sub Total Add 10% For Area weightage Total Repairing and fixing shutters (panelled or glazed) to PWD 18-19,SI No.37.13,Pg No.267 Basic Material Rate Sub Total Add 10% For Area weightage for Labour Total KSRB 15-15.1 : Providing and applying painting in to on wall surface to give an even approved shade afted drops and other foreign matter including preparing to materials, labour, complete as per specifications.	Rate wo coats with plastic emuer thoroughly brushing the	685 68.50 753.50 Sqm ors and cupboards. 685.00 685 68.50 753.50 Sqm alsion paint of approved surface, free from more	ortar
	Sub Total Add 10% For Area weightage Total Repairing and fixing shutters (panelled or glazed) to PWD 18-19,SI No.37.13,Pg No.267 Basic Material Rate Sub Total Add 10% For Area weightage for Labour Total KSRB 15-15.1: Providing and applying painting in to on wall surface to give an even approved shade afted drops and other foreign matter including preparing to materials, labour, complete as per specifications. - do- with primer PWD 18-19,SI No.15.51.2,Pg No.119	Rate wo coats with plastic emuer thoroughly brushing the	685 68.50 753.50 Sqm ors and cupboards. 685.00 685 68.50 753.50 Sqm elsion paint of approved a surface, free from mode of paper smooth, cost of the co	ortar
	Sub Total Add 10% For Area weightage Total Repairing and fixing shutters (panelled or glazed) to PWD 18-19,SI No.37.13,Pg No.267 Basic Material Rate Sub Total Add 10% For Area weightage for Labour Total KSRB 15-15.1 : Providing and applying painting in to on wall surface to give an even approved shade afted drops and other foreign matter including preparing to materials, labour, complete as per specifications. - do- with primer PWD 18-19,SI No.15.51.2,Pg No.119 Basic Material Rate	Rate wo coats with plastic emuer thoroughly brushing the	685 68.50 753.50 Sqm ors and cupboards. 685.00 685 68.50 753.50 Sqm alsion paint of approved surface, free from mod paper smooth, cost of 90.00	ortar
	Sub Total Add 10% For Area weightage Total Repairing and fixing shutters (panelled or glazed) to PWD 18-19,SI No.37.13,Pg No.267 Basic Material Rate Sub Total Add 10% For Area weightage for Labour Total KSRB 15-15.1 : Providing and applying painting in to on wall surface to give an even approved shade afted drops and other foreign matter including preparing materials, labour, complete as per specifications. - do- with primer PWD 18-19,SI No.15.51.2,Pg No.119 Basic Material Rate Sub Total	Rate wo coats with plastic emuer thoroughly brushing the	685 68.50 753.50 Sqm ors and cupboards. 685.00 685 68.50 753.50 Sqm alsion paint of approved surface, free from mod paper smooth, cost of paper smooth, co	ortar
	Sub Total Add 10% For Area weightage Total Repairing and fixing shutters (panelled or glazed) to PWD 18-19,SI No.37.13,Pg No.267 Basic Material Rate Sub Total Add 10% For Area weightage for Labour Total KSRB 15-15.1 : Providing and applying painting in to on wall surface to give an even approved shade afted drops and other foreign matter including preparing to materials, labour, complete as per specifications. - do- with primer PWD 18-19,SI No.15.51.2,Pg No.119 Basic Material Rate	Rate wo coats with plastic emuer thoroughly brushing the	685 68.50 753.50 Sqm ors and cupboards. 685.00 685 68.50 753.50 Sqm alsion paint of approved surface, free from mod paper smooth, cost of 90.00	ortar

	Supplying and fixing new Mangalore tiles on existing ree PWD 18-19,SI No.37.9,Pg No.267	pers.		
	Basic Rate		407.00	
	Sub Total		407	
	Add 10% For Area weightage		40.70	
	Total Rate	Rate	447.70	
	KSRB 8.4: Providing and fixing Mangalore tile roofing us	ing first class tiles	with necessary s	pecial tiles for
29	ridges and hips, wood reepers and pointed with cement materials, labour, curing complete as per specifications. wood reepers of size 50x25mm PWD 18-19,SI No.8.11		_	_
	Basic Rate		814.00	
	Sub Total		814	
	Add 10% For Area weightage		81.40	
	Total Rate	Rate	895.40	
		rato	000110	<u> </u>
30	Removing and fixing old Mangalore ridge tiles including PWD 18-19,SI No.37.10,Pg No.267	pointing with C.M.	1:3.	
	Baisc rate		101.00	
	Sub Total		101	
	Add 10% For area weightage (Mangalore City)		10.10	
	Total Rate	Rate	111.10	
	Total Nato	110.10		
31	surface of all dirt, dust and foreign matter, including cost specifications. PWD 18-19,SI No.15.71,Pg No.123	of materials, labor	ar, complete as p	61
	Basic Rate		56.00	
	Basic Rate Sub Total		56.00	
	Sub Total		56	
	Sub Total Add 10% For Area weightage	Rate	56 5.60	
	Sub Total Add 10% For Area weightage Total Rate	Rate	56 5.60 61.60	Sqm
32	Sub Total Add 10% For Area weightage Total Rate KSRB 15-17.19:Applying additional one coat (excluding and / or wood based surface with black japan paint to give dirt, dust and foreign matter, including cost of materials, PWD 18-19,SI No.15.72,Pg No.123	priming coat) on prean even shade a	56 5.60 61.60 previously painted after cleaning the as per specification	Sqm d wood surface surface of all ons.
32	Sub Total Add 10% For Area weightage Total Rate KSRB 15-17.19:Applying additional one coat (excluding and / or wood based surface with black japan paint to give dirt, dust and foreign matter, including cost of materials, PWD 18-19,SI No.15.72,Pg No.123 Basic Rate	priming coat) on prean even shade a	56 5.60 61.60 previously painted after cleaning the as per specification	Sqm d wood surface surface of all ins.
32	Sub Total Add 10% For Area weightage Total Rate KSRB 15-17.19:Applying additional one coat (excluding and / or wood based surface with black japan paint to give dirt, dust and foreign matter, including cost of materials, PWD 18-19,SI No.15.72,Pg No.123 Basic Rate Sub Total	priming coat) on prean even shade a	56 5.60 61.60 coreviously painted after cleaning the as per specification 50.00 50	Sqm d wood surface surface of all ons.
32	Sub Total Add 10% For Area weightage Total Rate KSRB 15-17.19:Applying additional one coat (excluding and / or wood based surface with black japan paint to give dirt, dust and foreign matter, including cost of materials, PWD 18-19,SI No.15.72,Pg No.123 Basic Rate Sub Total Add 10% For Area weightage	priming coat) on priming coat) on priming coat) on prime an even shade a labour, complete a	56 5.60 61.60 previously painted after cleaning the as per specification 50.00 50.00	Sqm d wood surface surface of all ons.
32	Sub Total Add 10% For Area weightage Total Rate KSRB 15-17.19:Applying additional one coat (excluding and / or wood based surface with black japan paint to give dirt, dust and foreign matter, including cost of materials, PWD 18-19,SI No.15.72,Pg No.123 Basic Rate Sub Total	priming coat) on prean even shade a	56 5.60 61.60 coreviously painted after cleaning the as per specification 50.00 50	Sqm d wood surface surface of all ons.
32	Sub Total Add 10% For Area weightage Total Rate KSRB 15-17.19:Applying additional one coat (excluding and / or wood based surface with black japan paint to give dirt, dust and foreign matter, including cost of materials, PWD 18-19,SI No.15.72,Pg No.123 Basic Rate Sub Total Add 10% For Area weightage	Rate Rate ities / water retainicomb, voids,cracked with 100gm of inces @ 0.40 ltr per secontaining silane and out of cross linked	56 5.60 61.60 previously painted after cleaning the as per specification 50.00 50.00 55.00 structure by press / construction junction accelerate agm on whole sur to penetrate deep and silanol linear conductory of acrylic / styrene	Sqm d wood surface surface of all ons. Sqm reparing the oints with tor, followed by face to reduce polymer @ of butadiene &
	Sub Total Add 10% For Area weightage Total Rate KSRB 15-17.19:Applying additional one coat (excluding and / or wood based surface with black japan paint to give dirt, dust and foreign matter, including cost of materials, PWD 18-19,SI No.15.72,Pg No.123 Basic Rate Sub Total Add 10% For Area weightage Total Rate Waterproofing of RCC Terrace / podium slab / toilet / util surface by chipping and cleaning and Grouting of Honey cement slurry (1kg cement added in 10 ltr of water) added spraying of liquid biological modified alkaline earth silicated the micro porosity and allowing it to dry, curing the surface concrete and spraying waterproofing impregnate liquid concrete and spraying waterproofing impregnate liquid concrete and spraying waterproofing polymer slurry maded cement in the ratio of 1:0.1, @0.50kg/sqm on the whole equipments, all complete as per the specification	Rate Rate ities / water retainicomb, voids,cracked with 100gm of inces @ 0.40 ltr per secontaining silane and out of cross linked	56 5.60 61.60 previously painted after cleaning the as per specification 50.00 50.00 55.00 structure by press / construction junction accelerate agm on whole sur to penetrate deep and silanol linear conductory of acrylic / styrene	Sqm d wood surface surface of all ons. Sqm reparing the oints with tor, followed by face to reduce per into the opolymer @ / butadiene & s tools and
	Sub Total Add 10% For Area weightage Total Rate KSRB 15-17.19:Applying additional one coat (excluding and / or wood based surface with black japan paint to give dirt, dust and foreign matter, including cost of materials, PWD 18-19,SI No.15.72,Pg No.123 Basic Rate Sub Total Add 10% For Area weightage Total Rate Waterproofing of RCC Terrace / podium slab / toilet / util surface by chipping and cleaning and Grouting of Honey cement slurry (1kg cement added in 10 ltr of water) added spraying of liquid biological modified alkaline earth silicate the micro porosity and allowing it to dry, curing the surface concrete and spraying waterproofing impregnate liquid concrete and spraying waterproofing impregnate liquid concrete and spraying waterproofing impregnate liquid concrete in the ratio of 1:0.1, @0.50kg/sqm on the whole equipments, all complete as per the specification PWD 18-19,SI No.10.5.1,Pg No 69	Rate Rate ities / water retainicomb, voids,cracked with 100gm of inces @ 0.40 ltr per secontaining silane and out of cross linked	56 5.60 61.60 previously painted after cleaning the as per specification 50.00 50 55.00 structure by press / construction junction accelerate agm on whole surt to penetrate deepend silanol linear conductor of acrylic / styrenerall labour charges	Sqm d wood surface surface of all ons. Sqm reparing the oints with tor, followed by face to reduce per into the opolymer @ // butadiene & stools and
	Sub Total Add 10% For Area weightage Total Rate KSRB 15-17.19:Applying additional one coat (excluding and / or wood based surface with black japan paint to give dirt, dust and foreign matter, including cost of materials, PWD 18-19,SI No.15.72,Pg No.123 Basic Rate Sub Total Add 10% For Area weightage Total Rate Waterproofing of RCC Terrace / podium slab / toilet / util surface by chipping and cleaning and Grouting of Honey cement slurry (1kg cement added in 10 ltr of water) added spraying of liquid biological modified alkaline earth silicated the micro porosity and allowing it to dry, curing the surface concrete and spraying waterproofing impregnate liquid concrete and spraying waterproofing impregnate liquid concrete and spraying waterproofing impregnate liquid concrete and spraying waterproofing impregnate liquid concrete and spraying waterproofing impregnate liquid concrete and spraying waterproofing impregnate liquid concrete and spraying waterproofing impregnate liquid concrete and spraying waterproofing impregnate liquid concrete and spraying waterproofing impregnate liquid concrete and spraying waterproofing impregnate liquid concrete and spraying waterproofing impregnate liquid concrete and spraying waterproofing impregnate liquid concrete and spraying waterproofing impregnate liquid concrete and spraying waterproofing impregnate liquid concrete and spraying waterproofing impregnate liquid concrete and spraying waterproofing impregnate liquid concrete and spraying polymer slurry made cement in the ratio of 1:0.1, @0.50kg/sqm on the whole equipments, all complete as per the specification PWD 18-19,SI No.10.5.1,Pg No 69 Basic Rate	Rate Rate ities / water retainicomb, voids,cracked with 100gm of inces @ 0.40 ltr per secontaining silane and out of cross linked	56 5.60 61.60 coreviously painted after cleaning the as per specification 50.00 50.00 55.00 55.00 structure by process / construction junction accelerate deepends all all abour charges 526.00	Sqm d wood surface surface of all ons. Sqm reparing the oints with tor, followed by face to reduce per into the opolymer @ / butadiene & s tools and

34	Fabrication supplying and erecting M.S. Tubular Truss of all prefabricated steel applications using quality material and a resisitant. Welding shall confirm to latest structural welding shape, size, design gauge and polish. The entire truss is and anchor bolts at each support, with 10mm thick base plate as straightening, placing in position of M.S pipes and wleding welding red oxide primer coat to all themembers including cost of all machineries for cutting, welding, grinding and erection equipments complete as per specification (P.No.43, SI.No. 7.29 of PWD SR 2018-19)	re durable, relial code. Quality sha hored in RCC o nd shoe plate. T wherever neces I materials, labo	ble and corrosion and abrasion all be on various parametres like column by using 4 Nos. of M.S. he work includes cutting, sary, and applying one coat of our charges, and hire charges of
	Dania Data	T	144.00
	Basic Rate Sub Total		111.00
			111.00
	Add 10% For Area weightage	D. (11.10
	Total Rate	Rate	122.10 Kg
35	Providing and fixing of pre pigmented extruded orange cem necessary specials such as Ridges, Barges and Nails etc. i gutters of min 6" radius and down water pipes of 4" dia as p ROOF or TRUSS. Including cost of materials, scaffoldings, (P.No.48, SI.No. 8.29 of PWD SR 2016-17)	ncluding cast of er the roof desi	f providing PVC (6.00kgs/sq cm) gn on EXISTING MS/WOODEN
	Pagio Pata	1	721.00
	Basic Rate Sub Total		721.00
	Add 10% For Area weightage	Dete	72.10
	Total Rate	Rate	793.10 Sqm
20			Dinted with neat cement slurry
36	mixed with pigment to mach shade of tiles, including providi stains, including cost of all mateirals, mortar, labour, etc., C (KPWD 18-19,Sl.No.14.45.1) Basic Rate Sub Total	• .	equired interval and removing specification. 1315.00
36	stains, including cost of all mateirals, mortar, labour, etc., C (KPWD 18-19,Sl.No.14.45.1) Basic Rate Sub Total	• .	equired interval and removing specification. 1315.00 1315.00
36	stains, including cost of all mateirals, mortar, labour, etc., C (KPWD 18-19,Sl.No.14.45.1) Basic Rate Sub Total Add 10% For Area weightage	omplete as per	equired interval and removing specification. 1315.00 1315.00 131.50
36	stains, including cost of all mateirals, mortar, labour, etc., C (KPWD 18-19,Sl.No.14.45.1) Basic Rate Sub Total	• .	equired interval and removing specification. 1315.00 1315.00
37	stains, including cost of all mateirals, mortar, labour, etc., C (KPWD 18-19,SI.No.14.45.1) Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRRB M300- Planting and Maintaining of Flowering Plants Maintaining of Flowering Plants and Shrubs - A) Planting flow MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149 Basic Rate Sub Total Add 10% For Area weightage	Rate s and Shrubs Ks wring plants an	equired interval and removing specification. 1315.00 1315.00 131.50 1446.50 Sqm SRRB M300- 8.1. Planting and d shrubs in central verge 46.00 46.00 4.60
	stains, including cost of all mateirals, mortar, labour, etc., C (KPWD 18-19,SI.No.14.45.1) Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRRB M300- Planting and Maintaining of Flowering Plants Maintaining of Flowering Plants and Shrubs - A) Planting floworth Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149 Basic Rate Sub Total	Rate s and Shrubs K	equired interval and removing specification. 1315.00 1315.00 131.50 1446.50 Sqm SRRB M300- 8.1. Planting and d shrubs in central verge 46.00 46.00
	stains, including cost of all mateirals, mortar, labour, etc., C (KPWD 18-19,Sl.No.14.45.1) Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRRB M300- Planting and Maintaining of Flowering Plants Maintaining of Flowering Plants and Shrubs - A) Planting flow MORTH Specification No. 307 PWD 18-19,Sl No.19.86,Pg No 149 Basic Rate Sub Total Add 10% For Area weightage Total Rate Providing and laying heavy duty Tactile Tiles (Direction and Yellow in colour, using cement and course sand for manufaminimum compressive strength of 281 kg per sqm over 50 more compacting with plate vibrator having 3 tons compaction for come up in between joints, final compaction of paver surface materials, labour and HOM of machineries complete as per	Rate Rate Stop tiles-300 pacture of blocks and thick sand become thereby forcing points into its force thereby force the points and the points and the points are the points and the points and the points are the points and the points are the points and the points are the points are the points are the points and the points are the point	equired interval and removing specification. 1315.00 1315.00 131.50 1446.50 Sqm SRRB M300- 8.1. Planting and d shrubs in central verge 46.00 46.00 4.60 50.60 Rmt x 300 mm) 60mm thick and of approved size, shape with a ped (average thickness) and ing part of sand underneath to
37	stains, including cost of all mateirals, mortar, labour, etc., C (KPWD 18-19,SI.No.14.45.1) Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRRB M300- Planting and Maintaining of Flowering Plants Maintaining of Flowering Plants and Shrubs - A) Planting flow MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149 Basic Rate Sub Total Add 10% For Area weightage Total Rate Providing and laying heavy duty Tactile Tiles (Direction and Yellow in colour, using cement and course sand for manufaminimum compressive strength of 281 kg per sqm over 50m compacting with plate vibrator having 3 tons compaction for come up in between joints, final compaction of paver surface materials, labour and HOM of machineries complete as per (As Per EOI) Rate Approved as per EOI by MD MSCL Mangalore, Refer	Rate Rate Stop tiles-300 pacture of blocks and thick sand become thereby forcing points into its force thereby force the points and the points and the points are the points and the points and the points are the points and the points are the points and the points are the points are the points are the points and the points are the point	equired interval and removing specification. 1315.00 1315.00 131.50 1446.50 Sqm SRRB M300- 8.1. Planting and d shrubs in central verge 46.00 46.00 4.60 50.60 Rmt x 300 mm) 60mm thick and of approved size, shape with a ped (average thickness) and ing part of sand underneath to
37	stains, including cost of all mateirals, mortar, labour, etc., C (KPWD 18-19,Sl.No.14.45.1) Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRRB M300- Planting and Maintaining of Flowering Plants Maintaining of Flowering Plants and Shrubs - A) Planting flow MORTH Specification No. 307 PWD 18-19,Sl No.19.86,Pg No 149 Basic Rate Sub Total Add 10% For Area weightage Total Rate Providing and laying heavy duty Tactile Tiles (Direction and Yellow in colour, using cement and course sand for manufaminimum compressive strength of 281 kg per sqm over 50m compacting with plate vibrator having 3 tons compaction for come up in between joints, final compaction of paver surfact materials, labour and HOM of machineries complete as per (As Per EOI)	Rate Rate Stop tiles-300 pacture of blocks and thick sand become thereby forcing points into its force thereby force the points and the points and the points are the points and the points and the points are the points and the points are the points and the points are the points are the points are the points and the points are the point	and removing specification. 1315.00 1315.00 1315.00 131.50 1446.50 Sqm SRRB M300- 8.1. Planting and d shrubs in central verge 46.00 46.00 46.00 50.60 Rmt x 300 mm) 60mm thick and of approved size, shape with a ped (average thickness) and ing part of sand underneath to final level, including cost of

39	Providing and laying artline grass pavers or equivalent block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge. (Non SOR)				
	Basic Rate		2067.00		
	Sub Total		2067.00		
	Total Rate	Rate	2067.00 S	Sqm	
	(KSRB 18-19,Pg No.7,SI No.2.16)				
	Basic Rate		9.00		
	Basic Rate Sub Total		9.00 9.00		
	Sub Total	Rate	9.00	6qm	
41	Sub Total Add 10% For Area weightage	e kerb stones made out of CC	9.00 0.90 9.90 S	6qm	
41	Sub Total Add 10% For Area weightage Total Rate Providing and fixing Pre cast solid concrete 1:2:4 and finished with CM 1:3 plastering a do- of size 450 x 150 x 400 mm	e kerb stones made out of CC	9.00 0.90 9.90 S	Sqm	
41	Sub Total Add 10% For Area weightage Total Rate Providing and fixing Pre cast solid concrete 1:2:4 and finished with CM 1:3 plastering a do- of size 450 x 150 x 400 mm (KSRRB 18-19,Pg No.27,SI No.5.29.1)	e kerb stones made out of CC	9.00 0.90 9.90 S	6qm	
41	Sub Total Add 10% For Area weightage Total Rate Providing and fixing Pre cast solid concrete 1:2:4 and finished with CM 1:3 plastering a do- of size 450 x 150 x 400 mm (KSRRB 18-19,Pg No.27,SI No.5.29.1) Basic Rate	e kerb stones made out of CC	9.00 0.90 9.90 S		

Executive Engineer MSCL Mangaluru

G M Technical MSCL Mangaluru

MANGALURU SMART CITY 1.1 Grand Summary of E-Smart school - Neereshwalaya

Sr. No.	Description	Cost In INR
1	E-Smart School - Neereshwalya	
а	Building & Compound wall works	2,275,822
b	Electrical Works	184,770
С	Plumbing Works	119,997
d	External Development - Softscape & Hardscape	345,168
	Total Cost	2,925,757

Executive Engineer MSCL Mangaluru

G M Technical MSCL Mangaluru

MANGALURU SMART CITY 1.2 BOQ of E-Smart School - NEERESHWALYA

Description	Unit	Quantity	Rate	Amount
Building & Compound wall works				
KSRRB M200-7.1. Clearing grass and removal of rubbish by manual means and stacking outside the periphery of the area cleaned complete as per specifications. MORTH Specification No. 201 PWD 18-19,Page No 138,SI No.18.10)	На	0.04	28330.50	1,040
KSRB 24-9 : Cleaning and washing of stone masonry wall surface with nitric acid including cost of materials, labour, complete as per specifications. Specification No.KBS 18-19, (Page No 130,SI No : 16.4)	Sqm	768.80	5.50	4,228
Providing and construction laterite size stone masonary including cost and conveyance of all materials curing etc. complete as per specification.I.S.3620/1979 having compressive strength not less then 3.5N/mm2 for saturated dry samples.For super structure in CM 1:6 (Cement 45 kgs/M3) (KPWD 18-19,Page No 384,SI No : 42.5.3)	Cum	35.84	3730.10	133,687
KSRB 15.3.10 Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry and concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. PWD 18-19,SI No.15.19,Pg No 116	Sqm	369.93	300.30	111,090
KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - do - with Primer PWD 18-19,SI No.15.53.2,Pg No 120	Sqm	1392.20	112.20	156,205
Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, complete as per specifications. (KPWD 18-19,SI No.15.103)	Sqm	119.20	374.00	44,581
KSRRB MS00-10 Painting new letter and figures of any shade with synthetic enamel paint black or any other approved colour to give an even shade complete as per specifications. ("ii) English and Roman - Hyphen and the like not to be measured and paid for" MORTH Specification No.801 (KSRRB 18-19,SI No.24.10)	Cm	500.00	0.77	385
Cleaning RCC sump tanks and RCC overhead tanks with mechanical dewatering including removal of sludge, mud, dirt, algea etc and cleaning the wall surface of tanks using high pressure jet, vacuum cleaning and spraying anti bacterial treatment to the wall and ceiling surfaces and UV treatment, including removing of sludge etc, using suitable coconut broomstick, squeesers I wipers I rubber brushes, coir brushes, plastic buckets, mugs, dewatering using motor with portal arrangement, hose pipe etc., complete including all safety measures. (KPWD 18-19,SI No.10.7)	L	8000.00	0.39	3,080
KSRB 15-18.3: Providing and applying enamel metal paint one coat (excluding priming coat) on previously painted steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. PWD 18-19,SI No.15.75,Pg No 123	Sqm	11.16	67.10	749
	Building & Compound wall works KSRRB M200-7.1. Clearing grass and removal of rubbish by manual means and stacking outside the periphery of the area cleaned complete as per specifications. MORTH Specification No. 201 PWD 18-19,Page No 138,SI No.18.10) KSRB 24-9 : Cleaning and washing of stone masonry wall surface with nitric acid including cost of materials, labour, complete as per specifications. Specification No.KBS 18-19, (Page No 130,SI No : 16.4) Providing and construction laterite size stone masonary including cost and conveyance of all materials curing etc. complete as per specification I.S. 3820/1979 having compressive strength not less then 3.5N/mm2 for saturated dry samples.For super structure in CM 1:6 (Cement 45 kgs/M3) (KPWD 18-19,Page No 384,SI No : 42.5.3) KSRB 15.3.10 Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry and concrete surface including rounding off corners wherever required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. PWD 18-19,SI No.15.19-Pg No 116 KSRB 15.1.1: Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - do - with Primer PWD 18-19,SI No.15.53.2,Pg No 120 Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, complete as per specifications. (KPWD 18-19,SI No.15.53.2,Pg No.15.03) KSRRB MS00-10 Painting new letter and figures of any shade with synthetic enamel paint black or any other approved colour to give an eve	RSRRB M200-7.1. Clearing grass and removal of rubbish by manual means and stacking outside the periphery of the area cleaned complete as per specifications. MORTH Specification No. 201 WD 18-19,Page No 138,SI No.18.10) KSRB 24-9: Cleaning and washing of stone masonry wall surface with nitric acid including cost of materials, labour, complete as per specifications. Specification No.KBS 18-19, (Page No 130,SI No: 16.4) Providing and construction laterite size stone masonary including cost and conveyance of all materials curing etc. complete as per specification. IS.3620/1979 having compressive strength not less then 3.5N/mm2 for saturated dry samples.For super structure in CM 1:6 (Cement 45 kgs/M3) ((KPWD 18-19,Page No 384,SI No: 42.5.3) KSRB 15.3.10 Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry and concrete surface including rounding off corners wherever required smooth rendering.: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. PWD 18-19,SI No.15.19,Pg No 116 KSRB 15-16.1: Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. PWD 18-19,SI No.15.53.2.Pg No 120 Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, complete as per specifications. (KPWD 18-19,SI No.15.103) KSRRB MS00-10 Painting new letter and figures of any shade with synthetic enamel paint black or any other approved brand paint, and temoring and specifications. (Vising Ris 13-19,SI No.15.103) KSRB 15-19,SI	Building & Compound wall works	Suilding & Compound wall works

Sr .No.	Description	Unit	Quantity	Rate	Amount
10	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 PWD 18-19,SI No.2.3,Pg No 6	Cum	89.29	328.90	29,367
11	KSRB 4-1.6; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 ems. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2 PWD 18-19,SI No.4.6,Pg No 13	Cum	7.20	6490.00	46,728
12	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregates @0.47cum, with super plasticisers @3 liters conforming to IS 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedestrals, retaining walls, returnwalls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. PWD 18-19,SI No.4.10,Pg No 14	Cum	18.98	6817.80	129,402
13	Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete with all lead lifts and as per specifications and directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18	МТ	1.42	77860.20	110,834
14	Providing and removing, centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications PWD 18-19,SI No.4.28,Pg No 16	Sqm	79.23	289.30	22,921
15	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses plinth cills and string courses cost of all materials, labour complete as per specifications. PWD 18-19,SI No.4.31,Pg No 16	Sqm	168.01	397.10	66,717
16	KSRRB M2200 - Providing Weep holes Providing weep holes in Brick masonry / Plain / Reinforced concrete abutment, wing wall / return wall with 100mm dia AC pipe , extending through the full width of the structure with slope of 1V:20H towards drawing force complete as per drawing and Technical specifications complete as per specifications. PWD 18-19,SI No.28.10,Pg No 229	Nos	12.00	161.70	1,940
17	KSRB 2-4: Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications. PWD 18-19,SI No.2.11,Pg No 7	Cum	42.85	132.00	5,656

Sr .No.	Description	Unit	Quantity	Rate	Amount
18	Providing and fixing unplasticised PVC pipes with working pressure 10 kg/sq.cm with pipe fittings, clips, making good the floor, including cost of all materials, labour charges, HOM and testing complete as per specifications. KSRB 18-19,Pg No.77,SI No.11.56.2				
	do- with 110mm outer dia	Rmt	18.00	666.60	11,999
19	Providing & Fixing CI Grating (325 x 325mm) for road gully cover including fixing the cover and CM 1:3 Plastering 20mm thick to all exposed faces curing for 90 days with all lead including cost of plastering but excluding cost of concrete etc,completete (As Per EOI)	Each	6.00	893.00	5,358
20	KSRB 24-44: Repairs to plaster in patches of 2.5 sqm and less in walls, ceilings 10 to 20mm thick in cement mortar 1:4 including cutting the patches in proper shape and replastering the surface of the wall including disposal of rubbish with a lead of 50m including curing cost of materials, labour, complete as per specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133	Sqm	456.67	304.70	139,146
21	Providing and fixing Special make glazed Vitrified tiles (Granomite finish) of approved make, quality and colour of size 600x600x10mm thick fixed on existing flooring with a special roffe adhesive for flooring and skirting etc., complete including providing spears at required interval and removing stains etc., complete. (P.No. 109, I.No. 14.43 of SR 2018-19).	Sqm	144.30	1452.00	209,524
22	Providing and laying of teak wooden polished flooring of 12mm thick, high density timber of approved colour and design with end trims, transition, profiles, beading, 15mm thick felt, and 20 micron polyester film with 4mm thick foam underlay etc., (P.No.113, I.No.14.70 of PWD SR 2018-19)	Sqm	14.04	5280.00	74,131
23	KSRB 14.14-5: Providing Ceramic tiles of approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing, complete as per specifications for Ceramic Tiles of size 30x30cms 6mm thick. PWD 18-19,SI No.14.36.2,Pg No.107 and 108	Sqm	241.25	1332.10	321,369
24	Providing and laying pattern flooring for staircase treads and risers using the combination of 20mm thick ruby red granite @ 66%,20 mm thick grey granite @ 20%, 20mm thick, 20mm thick black granite 14%. The granite materials are laid on existing bed of CM 1:3 20mm thick pointed with colour pigment, including full rounding for nosing, flaming the ruby red granite for 50 mm wide curing etc., complete as per specification. (P.No. 109, I.No. 14.46 of PWD SR 2018-19)	Sqm	17.08	7914.50	135,180
25	Repairing door and window frames with available wood to the required size. PWD 18-19,SI No.37.12,Pg No 267	Sqm	46.20	753.50	34,812
26	Repairing and fixing shutters (panelled or glazed) to doors, windows, ventilators and cupboards. PWD 18-19,SI No.37.13,Pg No.267	Sqm	46.20	753.50	34,812
27	KSRB 15-15.1: Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - do- with primer PWD 18-19,SI No.15.51.2,Pg No.119	Sqm	728.49	99.00	72,120
28	Supplying and fixing new Mangalore tiles on existing reepers. PWD 18-19,SI No.37.9,Pg No.267	Sqm	262.18	447.70	117,376

Sr .No.	Description	Unit	Quantity	Rate	Amount
29	KSRB 8.4: Providing and fixing Mangalore tile roofing using first class tiles with necessary special tiles for ridges and hips, wood reepers and pointed with cement mortar 1:4 over the existing rafters including cost of materials, labour, curing complete as per specifications. Specification No. KBS 8.17KSRB 8.4-2: do- Nandi wood reepers of size 50x25mm PWD 18-19,SI No.8.11	Sqm	174.78	895.40	156,502
30	Removing and fixing old Mangalore ridge tiles including pointing with C.M. 1:3. PWD 18-19,SI No.37.10,Pg No.267	Rmt	35.36	111.10	3,928
31	KSRB 15-17.19: Providing and applying painting one coat (excluding priming coat) on previously painted wood surface and / or wood based surface with black japan paint to give an even shade after cleaning the surface of all dirt, dust and foreign matter, including cost of materials, labour, complete as per specifications. PWD 18-19,SI No.15.71,Pg No.123	Sqm	67.31	61.60	4,146
32	KSRB 15-17.19:Applying additional one coat (excluding priming coat) on previously painted wood surface and / or wood based surface with black japan paint to give an even shade after cleaning the surface of all dirt, dust and foreign matter, including cost of materials, labour, complete as per specifications. PWD 18-19,SI No.15.72,Pg No.123	Sqm	67.31	55.00	3,702
33	Providing and laying non - asbestos high impact ploypropylene reinforced corrugated cement roofing sheet reinforced with Other colours and with a blend of strong factory made fibre as per IS:14871 and IS:9933:1995 (E) roofing upto any pitch and fixing with polymer coated J or L hooks, bolts and nuts 8mm dia, G I plain and bitumen washers or with self drilling fastener and EPDM washers ete. complete but excluding the cost of purlins, refters and trusses. including cutting to size and shape of corrugated sheets wherever required. and cost of materials, labour, complete as per specifications. PWD 18-19,SI No.8.31.2,Pg No 51	Sqm	46.63	649.00	30,263
34	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification PWD 18-19,SI No.10.5.1,Pg No 69	Sqm	91.33	578.60	52,844
В	External Development - Softscape & Hardscape				
35	Providing and fixing Vitrified glazed tiles of approved make, quality & colour of size 900 x 900 x 12mm thick fixed on bed of 12mm thick cement mortar for flooring, skirting and JOinted with neat cement slurry mixed with pigment to mach shade of tiles, including providing spacers at required interval and removing stains, including cost of all mateirals, mortar, labour, etc., Complete as per specification. (KPWD 18-19,SI.No.14.45.1)	Sqm	143.00	1446.50	206,850
36	KSRRB M300- Planting and Maintaining of Flowering Plants and Shrubs KSRRB M300- 8.1. Planting and Maintaining of Flowering Plants and Shrubs - A) Planting flowring plants and shrubs in central verge MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149	Rmt	30.00	50.60	1,518

Sr .No.	Description	Unit	Quantity	Rate	Amount
37	Providing and laying heavy duty Tactile Tiles (Direction and Stop tiles-300 x 300 mm) 60mm thick and Yellow in colour , using cement and course sand for manufacture of blocks of approved size, shape with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. (As Per EOI)	Sqm	150.00	912.00	136,800
	GRAND TOTAL				2,620,990

GST @12% on SOR & Non SOR GST @18% on Market 2,478,832

297460 0

Executive Engineer MSCL Mangaluru

G M Technical MSCL Mangaluru

MANGALURU SMART CITY 1.3 Measurement of E-SMART SCHOOL - NEERESHWALYA

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
31.140.	KSRRB M200-7.1. Clearing grass and removal of rubbish by	Oilit	1405.	Lengin	Dieautii	Бериі	Quantity
	manual means and stacking outside the periphery of the area						
1	cleaned complete as per specifications. MORTH Specification No.						
	201						
	PWD 18-19,Page No 138,SI No.18.10) Total Area	Sqm	1	700.00	Area		700.00
	Ded	Sqm	-1	333.00	Area		-333.00
	Ded	Sqm	-	333.00	Aica		367.00
		Ha					0.037
2	KSRB 24-9: Cleaning and washing of stone masonry wall surface with nitric acid including cost of materials, labour, complete as per specifications. Specification No.KBS 18-19, (Page No 130,SI No: 16.4)						
	Compound wall - Front side	Sqm	2	30.50		2.00	122.00
	Right side	Sqm	2	27.00		1.60	86.40
	Left side	Sqm	2	92.00		2.00	368.00
	Back side Pillar	Sqm Sqm	2	35.00 2.60		2.60 2.00	182.00 10.40
		Sqm		2.00	Total	2.00	768.80
		Oqiii			Total		700.00
3	Providing and construction laterite size stone masonary including cost and conveyance of all materials curing etc. complete as per specification.I.S.3620/1979 having compressive strength not less then 3.5N/mm2 for saturated dry samples.For super structure in CM 1:6 (Cement 45 kgs/M3) (KPWD 18-19,Page No 384,SI No : 42.5.3)						
	Compound wall - Front side	Cum	1	12.20	0.23	2.00	5.61
	Right side	Cum	1	10.80	0.23	1.60	3.97
	Left side	Cum	1	36.80	0.23	2.00	16.93
	Back side	Cum	1	14.00	0.23	2.60	8.37
	Pillar Total Quantity	Cum Cum	2	1.04	0.23 Total	2.00	0.96 35.84
	Total Quality	Cum			Iotai		33.64
4	with cement mortar 1:4, to stone masonry and concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. PWD 18-19,SI No.15.19,Pg No 116						
	Compound wall - Front side	Sqm	2	12.20		2.00	48.80
	Right side	Sqm	2	10.80		1.60	34.56
	Left side	Sqm	2	36.80		2.00	147.20
	Back side	Sqm	2	14.00		2.60	72.80
	Pillar	Sqm	2	1.04		2.00	4.16
	Hand wash room	Sqm	4	7.02		2.50	70.20
	Ded Ded	Oqiii	7	1.02		2.50	70.20
		0	4	4.00		0.50	0.70
	Door	Sqm	-1	1.09		2.50	-2.73
	Window	Sqm	-3	1.25		1.35	-5.06
	Total Quantity	Sqm			Total		369.93
			 				
5	KSRB 15-16.1: Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - do - with Primer PWD 18-19,SI No.15.53.2,Pg No 120						
	Compound wall - Front side	Sqm	2	30.50		2.00	122.00
	Right side	Sqm	2	27.00		1.60	86.40
	Left side	Sqm	2	92.00		2.00	368.00
	Back side Pillar	Sqm Sqm	2	35.00 2.60		2.60 2.00	182.00 10.40
	Block 2 & 3	Sqm		2.00		2.00	10.40
	Outside Building	Sqm	1	26.40		2.90	76.56
	Deduction	~ ¬					. 0.00
	Door-D	Sqm	-1	1.10		2.10	-2.31
	Door-D1	Sqm	-1	1.20		1.65	-1.98
	Window-W Ventilator-V	Sqm	-1 -1	0.90 0.60		1.20 0.60	-1.08 -0.36
	v GriulatOI=V	Sqm		0.00		0.00	-0.36

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	Opening	Sqm	-1	1.09		2.50	-2.73
	oportung .	Sqm	-3	1.25		1.35	-5.06
	Ramp	Sqm	2	2.90		0.23	1.31
	Block 4						
	Outside Building Ded	Sqm	1	76.00		5.43	412.30
	Door D2	Sqm	-1	1.10		2.05	-2.26
	Door D3	Sqm	-2	1.06		2.10	-4.45
	Window-W	Sqm	-10	1.19		1.47	-17.49
	Window-W1	Sqm	-1	1.07		1.34	-1.43
	Window-W2	Sqm	-2	0.84		1.62	-2.72
	Window-W3 Window-W4	Sqm Sqm	-2 -2	2.98 1.04		1.62 1.35	-9.66 -2.81
	Staff Toilet	Sqm	1	4.65		2.40	11.16
	Ded	Oqiii		4.00		2.40	11.10
	Door-D4	Sqm	-1	0.75		1.75	-1.31
	Ventilator-V	Sqm	-1	0.37		0.35	-0.13
	Outside	Sqm	2	0.89		0.45	0.80
	Ramp RCC Column -C1	Sqm	2	1.60		0.23	0.72
		Sqm	2	1.44		4.00	11.52
	Block 5 Outside Building	Cam	2	10.44		4.05	400.40
	ū .	Sqm		13.41		4.05	108.49
-	Ded Door-D	Cam	4	0.00		2.40	4.00
	Window-W	Sqm	-1 -3	0.90 0.96		2.10 1.20	-1.89
-		Sqm					-3.46
-	RCC Column-C	Sqm	3	1.40		2.64	11.09
-	Block 6 Outside Building	Cam	2	9.80		2.75	F0.0-
	9	Sqm		9.80		2.75	53.90
-	Ded Door-D	Sqm	-2	0.75		1.98	2 2-
	Ventilator-V	Sqm	-2 -4	0.75		0.34	-2.97
	ventilator-v		-4	0.26	Total	0.34	-0.35 1392.20
		Sqm			Iotai		1392.20
	Providing external walls with texture finish using approved brand						
	paint, applied uniformly in three coats over one coat of primer						
	including cost of all materials, machineries, labour, transportation,						
6	loading and unloading, all lead and lift and all other incidental						
	charges including scaffolding and removing stains, complete as						
	per specifications.						
	(KPWD 18-19,SI No.15.103) Compound wall - Front side	Sqm	1	30.50		2.00	61.00
	B4 Block	Sqm	1	37.00		1.20	44.40
	B5 Block	Sqm	1	11.50		1.20	
		Sqm			Total		119.20
	KSRRB MS00-10 Painting new letter and figures of any shade						
	with synthetic enamel paint black or any other approved colour to						
7	give an even shade complete as per specifications. ("ii) English and Roman - Hyphen and the like not to be measured and paid						
'	for"						
	MORTH Specification No.801						
	(KSRRB 18-19,SI No.24.10)						
	Total Qty-Name Plate, Signages & School Entrance signages on	Cm	10	50.00			F00.00
	wall	Cm	10	50.00	_		500.00
		Cm			Total		500.00
	Charries BCC sures tool and BCC and the latest tool						
	Cleaning RCC sump tanks and RCC overhead tanks with						
	mechanical dewatering including removal of sludge, mud, dirt, algea etc and cleaning the wall surface of tanks using high						
	pressure jet, vacuum cleaning and spraying anti bacterial						
	treatment to the wall and ceiling surfaces and UV treatment,						
8	including removing of sludge etc, using suitable coconut						
	broomstick, squeesers I wipers I rubber brushes, coir brushes,						
	plastic buckets, mugs, dewatering using motor with portal						
	arrangement, hose pipe etc., complete including all safety						
	measures.						
	(KPWD 18-19,SI No.10.7) Total Qty-	L	8000				8000.00
		L	5500		Total		8000.00
							2230.00
	KSRB 15-18.3 : Providing and applying enamel metal paint one						
	coat (excluding priming coat) on previously painted steel or other						
	metal surface brushing to give an even shade after cleaning oil,						
9	grease, dirt and other foreign matter, including cost of materials,						
	labour, complete as per specifications.						
	PWD 18-19,SI No.15.75,Pg No 123						
	Entrance Gate	Sqm	1	3.60		2.00	7.20

Sr.No.	Descriptions Door-D1	Unit	Nos.	Length 1.20	Breadth	Depth	Quantity
	D001-D1	Sqm Sqm		1.20	Total	1.65	3.96 11.16
	KSRB 2-2.1 : Earthwork excavation for foundation of buildings,						
	water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not						
	exceeding 1.5 m. in depth including dressing the bottom and sides						
	of pits and trenches, stacking the excavated soil clear from edges						
10	of excavation with lead upto 50 m. after breaking of clods						
	complete as per specifications. specification. No. KBS 2.1(a) /						
	2.3.5						
	PWD 18-19,SI No.2.3,Pg No 6						
	Block 2 & 3	Cum	1	26.40	0.30	0.45	3.56
	Block 4	Cum	1	76.00	0.30	0.45	10.26
	Block 5	Cum	1	26.82	0.30	0.45	3.62
	Block 6	Cum	1	19.60	0.30	0.45	2.65
	RCC Covered Drain SWD-0.3m Clear Width	Cum	1	86.42	0.80	0.87	60.39
	SWD Chamber	Cum	6	0.70	0.80	0.50	1.47
	UPVC Pipe	Cum	1	18.00	0.75	0.54	7.34
		Cum			Total		89.29
	KSRB 4-1.6; Providing and laying in position plain cement						
	concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and						
	fine aggregates @ 0.53cum, machine mixed, concrete laid in						
11	layers not exceeding 15 ems. thick, well compacted, in foundation,						
	plinth and cills, including cost of all materials, labour, HOM curing						
	complete as per specifications. Specification No. KBS 4.1, 4.2						
	PWD 18-19,SI No.4.6,Pg No 13						
	DCC Covered Drain						
	RCC Covered Drain PCC for Raft						
	SWD-0.3m Clear Width	Cum	1	86.42	0.80	0.10	6.91
	SWD Chamber	Cum	6	0.70	0.70	0.10	0.29
					Total		7.20
	Providing and laying in position reinforced cement concrete of						
	design mix M25 with OPC cement @ 340kgs, with 20mm and						
	down size graded granite metal coarse aggregates @0.70 cum						
	and fine aggregates @ 0.47cum, with super plasticisers @ 3 liters						
	conforming to IS 9103-1999 reafirmed-2008 at machine mixed,						
	concrete laid in layers not exceeding 15 cms thick, vibrated for all						
12	works in foundation for footings, pedestrals, retaining walls,						
	returnwalls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor						
	blocks & plinths etc including cost of all materials, labour, HOM of						
	machinery, curing, complete but excluding cost of reinforcement						
	as per specifications.						
	PWD 18-19,SI No.4.10,Pg No 14						
	RCC Covered Drain						
	Raft						
	SWD-0.3m Clear Width	Cum	1	86.42	0.50	0.15	6.48
	SWD Chamber	Cum	6	0.70	0.50	0.10	0.21
	Side wall	0	0	00.40	0.40	0.474	0.40
	SWD-0.3m Clear Width SWD Chamber	Cum Cum	6	86.42 1.20	0.10 0.10	0.474	8.18 0.22
	Covered Slab	Ouiii	0	1.20	0.10	0.50	0.22
	SWD-0.3m Clear Width	Cum	1	86.42	0.30	0.15	3.89
		Cum					18.98
	Droviding TMT steel minforcement for D.C.C. and Just II						
	Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position,						
	lapping and / or welding wherever required, tying with binding wire						
	and anchoring to the adjoining members wherever necessary						
13	complete as per design (laps and wastage shall not be measured				Kg/Cum		
13	and paid) cost of materials, labour, HOM of machinery complete				Rg/Cuiii		
	with all lead lifts and as per specifications and directinon of						
	Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18						
	1. 1.5 10 10,01110.7.70.2,1 g 110 10						
	RCC Covered Drain			<u>L</u>			
	Raft	Kg	1	6.69	75		501.75
	Side wall	Kg	1	8.40	75		630.00
	Covered Slab	Kg	1	3.89	75		291.75
		Kg MT					1423.50 1.42
	1	IVI I	İ	l	j	ı	1.44

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
14	Providing and removing, centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications PWD 18-19,SI No.4.28,Pg No 16						
	RCC Covered Drain						
	Raft side	_					
	SWD-0.3m Clear Width	Sqm	2	86.42		0.15	25.93
	SWD Chamber RCC Covered Drain	Sqm	6	2.40		0.10	1.44
	Slab Bottom						
	SWD-0.3m Clear Width	Sqm	1	86.42	0.30		25.93
	Slab side	0 q	•	002	0.00		20.00
	SWD-0.3m Clear Width	Sqm	2	86.42		0.15	25.93
		Sqm					79.23
15	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses plinth cills and string courses cost of all materials, labour complete as per specifications. PWD 18-19,SI No.4.31,Pg No 16						
	RCC Covered Drain						
	Wall side SWD-0.3m Clear Width	Sqm	4	86.42		0.474	163.69
	SWD-0.3m Clear Width	Sqm	6	2.40		0.474	4.32
	OVE CHAMBO	Sqm	0	2.40		0.50	168.01
		 					
16	KSRRB M2200 - Providing Weep holes Providing weep holes in Brick masonry / Plain / Reinforced concrete abutment, wing wall / return wall with 100mm dia AC pipe , extending through the full width of the structure with slope of 1V:20H towards drawing force complete as per drawing and Technical specifications complete as per specifications. PWD 18-19,SI No.28.10.Pg No 229 RCC Covered Drain						
	SWD Chamber	Nos	12.00				12.00
		Nos					12.00
17	KSRB 2-4: Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications. PWD 18-19,SI No.2.11,Pg No 7						
	RCC Covered Drain						
	Total Excavated Qty	Cum	1				69.20
	PCC Qty	Cum	-1				-7.20
	RCC Qty UPVC Pipe 110mm Dia	Cum Cum	-1 -1	18.00	0.01		-18.98 -0.17
	or veripe rionini bia	Cum	-1	10.00	0.01		42.85
		• • • • • • • • • • • • • • • • • • • •					
18	Providing and fixing unplasticised PVC pipes with working pressure 10 kg/sq.cm with pipe fittings, clips, making good the floor, including cost of all materials, labour charges, HOM and testing complete as per specifications. KSRB 18-19,Pg No.77,SI No.11.56.2						
	do- with 110mm outer dia						
	RCC Covered Drain	Rmt	1.00	18.00			18.00
		Rmt					18.00
19	Providing & Fixing CI Grating (325 x 325mm) for road gully cover including fixing the cover and CM 1:3 Plastering 20mm thick to all exposed faces curing for 90 days with all lead including cost of plastering but excluding cost of concrete etc,completete (As Per EOI)						
				. —			0.00
	SWD Chamber	Each Each	6.00				6.00 6.00

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	KSRB 24-44: Repairs to plaster in patches of 2.5 sqm and less in walls, ceilings 10 to 20mm thick in cement mortar 1:4 including cutting the patches in proper shape and replastering the surface of the wall including disposal of rubbish with a lead of 50m including curing cost of materials, labour, complete as per specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133					•	
	Block 2 & 3						
	Outside wall	Sqm	1	26.40		2.90	76.56
	Block 4	Oqiii		20.10		2.00	7 0.00
	Outside wall	Sqm	1	76.00		5.43	412.30
	Ramp	Sqm	2	1.60		0.23	0.72
	Projection Block 5	Sqm	1	0.90		0.45	0.41
	Outside wall	Sqm	1	26.82		4.05	108.49
	Block 6						
	Outside wall	Sqm	1	19.60		2.75	53.90
		Sqm			Total		652.38
	Total 70% Quantity	Sqm			Total		456.67
21	Providing and fixing Special make glazed Vitrified tiles (Granomite finish) of approved make, quality and colour of size 600x600x10mm thick fixed on existing flooring with a special roffe adhesive for flooring and skirting etc., complete including providing spears at required interval and removing stains etc., complete. (P.No. 109, I.No. 14.43 of SR 2018-19).						
	Block 2 & 3						
	Abondened Room	Sqm	1	2.45	3.86	0.15	9.46
	Skirting Block 4	Sqm	1	12.62		0.15	1.89
	Corridor	Sqm	1	11.20	1.90		21.28
	Skirting	Sqm	1	11.20		0.15	1.68
	Corridor	Sqm	1	1.80	0.68	0.45	1.22
	Skirting Class Room	Sqm Sqm	1	1.80 4.40	2.72	0.15	0.27 11.97
	Skirting	Sqm	1	14.24	2.12	0.15	2.14
	Class Room	Sqm	1	4.58	10.86		49.74
	Skirting	Sqm	1	30.88		0.15	4.63
	Block 5 Corridor	Sqm	1	6.50	1.38		8.97
	Skirting	Sqm	1	6.50	1.30	0.15	0.98
	Anganavadi	Sqm	1	6.01	4.48		26.92
	Skirting	Sqm	1	20.98		0.15	3.15
	Total Qty	Sqm			Total		144.30
22	Providing and laying of teak wooden polished flooring of 12mm thick, high density timber of approved colour and design with end trims, transition, profiles, beading, 15mm thick felt, and 20 micron polyester film with 4mm thick foam underlay etc., (P.No.113, I.No.14.70 of PWD SR 2018-19)						
	Block 4 Head Miss Chamber	Sqm	1	4.38	2.72		11.91
	TIOGA MIGO CHATIDO	Sqm	1	14.20	2.12	0.15	2.13
	Total Qty	Sqm			Total		14.04
23	KSRB 14.14-5: Providing Ceramic tiles of approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing, complete as per specifications for Ceramic Tiles of size 30x30cms 6mm thick. PWD 18-19,SI No.14.36.2,Pg No.107 and 108						
	Block 2 & 3						
	Hand wash room area	Sqm	1	3.06	3.03		9.27
	Skirting	Sqm	1	12.18		0.15	1.83
	Dadosing	Sqm	2	2.50		0.45	2.25
	Dadooing Ded	Sqm	2	6.09		0.80	9.74
	Door Opening	Sqm	-1	1.09		0.80	-0.87
	Window Opening	Sqm	-3	1.25		0.80	-3.00
	Special Toilet	Sqm	1	1.50	2.49	4.55	3.74
	Dadooing	Sqm	2	3.99		1.90	15.16
	Ded						

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	Ventilator	Sqm	-1	0.60		0.60	-0.36
	Kitchen	Sqm	1	3.64	3.08		11.21
	Skirting	Sqm	1	13.44		0.15	2.02
	Block 4 Entrance Hall	Sqm	1	8.99	2.72		24.45
	Skirting	Sqm	1	23.42	2.72	0.15	3.51
	Hall	Sqm	1	15.12	4.27		64.56
	Skirting	Sqm	1	34.51		0.15	5.18
	Stage Chindren	Sqm	1	3.29 10.85	4.27	0.45	14.05
	Skirting Staff Toilet	Sqm Sqm	1	1.05	1.34	0.15	1.63 1.41
	Dadooing	Sqm	2	2.39	1.54	1.80	8.60
	Ded - Door	Sqm	-1	0.75		1.74	-1.31
	Block 6						
	Girls Toilet	Sqm	1	2.80	3.20	1.00	8.96
	Dadooing Ded	Sqm	2	6.00		1.80	21.60
	Door-D	Sqm	-1	0.75		1.98	-1.49
	Ventilator-V	Sqm	-2	0.26		0.34	-0.18
	Boys Toilet	Sqm	1	2.70	3.12		8.42
	Dadooing	Sqm	2	5.82		1.80	20.95
	Ded Door-D	Cam	-1	0.75		1.98	-1.49
	Ventilator-V	Sqm Sqm	-1	0.75		0.34	-0.18
	Ventuator V	Sqm	4	1.89		1.80	13.57
	Total Qty	Sqm			Total		241.25
24	Providing and laying pattern flooring for staircase treads and risers using the combination of 20mm thick ruby red granite @ 66%,20 mm thick grey granite @ 20%, 20mm thick, 20mm thick black granite 14%. The granite materials are laid on existing bed of CM 1:3 20mm thick pointed with colour pigment, including full rounding for nosing, flaming the ruby red granite for 50 mm wide curing etc., complete as per specification. (P.No. 109, I.No. 14.46 of PWD SR 2018-19)						
	Block 2 & 3						
	Entry Step Tread	Sqm	3	1.22	0.30		1.10
	Entry Step Tread	Sqm	2	1.10	0.30		0.66
	Riser	Sqm	4	1.22		0.15	0.73
	Riser	Sqm	3	1.10	0.00	0.15	0.50
	Ramp Block 4	Sqm	1	1.23	2.90		3.57
	Entry Step Tread	Sqm	3	3.06	0.30		2.75
	Entry Step Riser	Sqm	4	3.06	0.00	0.15	1.84
	Ramp	Sqm	1	1.60	1.50		2.40
	Stage Step Tread	Sqm	3	1.30	0.30		1.17
	Stage Step Riser	Sqm	4	1.30		0.15	0.78
	Block 5 Entry Step Tread	Sqm	2	1.50	0.30		0.90
	Entry Step Fread Entry Step Riser	Sqm	3	1.50	0.30	0.15	0.90
	Total Qty	Sqm			Total		17.08
25	Repairing door and window frames with available wood to the required size. PWD 18-19,SI No.37.12,Pg No 267						
	Block 2 & 3 Door-D	Sqm	1	1.10		2.10	2.00
	Window-W	Sqm	1	0.90		1.20	1.00
	Block 4						
	Door-D	Sqm	4	1.18		2.10	10.00
	Door-D1	Sqm	1	0.91		1.99	2.00
	Door-D2 Door-D3	Sqm Sqm	1 2	1.10 1.06		2.05	2.00 4.00
	Door-D4	Sqm	1	0.75		2.10 1.75	1.00
	Window-W	Sqm	11	1.19		1.47	19.00
	Window-W1	Sqm	1	1.07		1.34	1.00
	Window-W2	Sqm	2	0.84		1.62	3.00
	Window-W3	Sqm Sqm	2	2.98		1.62	10.00
	IM/indow M/A	om	2	1.04		1.35	3.00
	Window-W4	Oqiii					
	Block 5		1	0.9		2.10	2.00
		Sqm Sqm	1 3	0.9 0.96		2.10 1.20	2.00
	Block 5 Door-D Window-W Block 6	Sqm Sqm	3	0.96		1.20	
	Block 5 Door-D Window-W	Sqm Sqm Sqm					3.00
	Block 5 Door-D Window-W Block 6	Sqm Sqm	3	0.96	Total Total	1.20	3.00

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
26	Repairing and fixing shutters (panelled or glazed) to doors, windows, ventilators and cupboards. PWD 18-19,SI No.37.13,Pg No.267						
	Block 2 & 3						
	Door-D	Sqm	1	1.10		2.10	2.00
	Window-W	Sqm	1	0.90		1.20	1.00
	Block 4			3.00			
	Door-D	Sqm	4	1.18		2.10	10.00
	Door-D1	Sqm	1	0.91		1.99	2.00
	Door-D2	Sqm	1	1.10		2.05	2.00
	Door-D3	Sqm	2	1.06		2.10	4.00
	Door-D4	Sqm	1	0.75		1.75	1.00
	Window-W	Sqm	11	1.19		1.47	19.00
	Window-W1	Sqm	1	1.07		1.34	1.00
	Window-W2	Sqm	2	0.84		1.62	3.00
	Window-W3 Window-W4	Sqm	2	2.98 1.04		1.62 1.35	10.00 3.00
	Block 5	Sqm		1.04		1.33	3.00
	Door-D	Sqm	1	0.90		2.10	2.00
	Window-W	Sqm	3	0.96		1.20	3.00
	Block 6	Oqiii	-	0.00		1.20	0.00
	Door-D	Sqm	2	0.75		1.98	3.00
		J4111	_	55		1.55	66.00
	Total 70% Quantity	Sqm		1	Total		46.20
		34···		1			70.20
27	KSRB 15-15.1: Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - do- with primer PWD 18-19,SI No.15.51.2,Pg No.119						
	Block 2 & 3 Hand wash room area	Sqm	2	6.09		2.50	30.00
	Ded						
	Door Opening	Sqm	-1	1.09		2.50	-3.00
	Window Opening	Sqm	-3	1.25		1.35	-5.00
	Special Toilet	Sqm	2	3.99		1.90	15.00
	Ded						
	Door-D1	Sqm	-1	1.20		1.65	-2.00
	Ventilator	Sqm	-1	0.60		0.60	-0.36
	Kitchen	Sqm	2	6.72		3.00	40.00
	Ded Door-D	C	4	4.400		0.40	0.00
	Window-W	Sqm Sqm	-1 -1	1.100 0.90		2.10 1.20	-2.00 -1.00
	Kitchen Ceiling	Sqm	1	3.64	3.08	1.20	11.21
	Special Toilet Ceiling	Sqm	1	1.50	2.50		3.75
	Block 4	Oqiii		1.50	2.50		0.70
	Class Room	Sqm	2	7.12		5.05	72.00
	Class Room	Sqm	2	15.44		5.05	156.00
	Entrance Hall	Sqm	2	11.71		5.05	118.00
	Hall	Sqm	2	19.39		5.05	196.00
	Stage	Sqm	2	7.56		4.55	69.00
	Staff Toilet	Sqm	2	2.39		0.15	1.00
	Ded						
	Door-D	Sqm	-4	1.18		2.10	-10.00
	Door-D1	Sqm	-1	0.91		1.99	-2.00
	Door-D2	Sqm	-1	1.10		2.05	-2.00
	Door-D3	Sqm	-2	1.06		2.10	-4.00
	Door-D4	Sqm	-1	0.75		1.75	-1.00
	Window-W	Sqm	-11 1	1.19		1.47	-19.00
	Window W2	Sqm	-1 -2	1.07		1.34 1.62	-1.00 -3.00
	Window-W2 Window-W3	Sqm Sqm	-2 -2	0.84 2.98		1.62	-3.00 -10.00
	Window-W3 Window-W4	Sqm	-2 -2	1.04		1.02	-3.00
	Staff Toilet Ceiling	Sqm	- 21	1.04	1.57	1.33	2.00
	Block 5	Oqiii		1.01	1.07		2.00
	Anganavadi	Sqm	2	10.49		4.00	84.00
	Ded	2 4.77		1 21 10			300
	Door-D	Sqm	-1	0.90		2.10	-2.00
	Window-W	Sqm	-3	0.96		1.20	-3.46
	Block 6	•					
	Girls Toilet	Sqm	2	6.00		0.45	5.40
	Boys Toilet	Sqm	2	5.82		0.45	5.24
	Ded						
	Door-D	Sqm	-4	0.75		1.98	-5.94
	Ventilator-V Total Quantity	Sqm	-4	0.26		0.34	-0.35
	I I adapt () a mature .	Sqm		1	Total	1	728.49

Supplying and fixing new Mangalore till PWD 18-19,SI No.37.9,Pg No.267 Block 4 Block 5 Total 60% Quantity KSRB 8.4: Providing and fixing Mangal class tiles with necessary special tiles freepers and pointed with cement mortar afters including cost of materials, labo specifications. Specification No. KBS 8 wood reepers of size 50x25mm PWD 18-19,SI No.8.11 School Building Total 40% Quantity Removing and fixing old Mangalore rid with C.M. 1:3. PWD 18-19,SI No.37.10,Pg No.267 Block 4 Block 5 Total 80% Quantity KSRB 15-17.19: Providing and applyin excluding priming coat) on previously or wood based surface with black japar shade after cleaning the surface of all matter, including cost of materials, labo specifications. PWD 18-19,SI No.15.71,Pg No.123 Block 2 & 3 Door-D Window-W Block 4 Door-D Door-D1 Door-D2 Door-D4 Window-W4 Window-W7 Window-W4 Block 5 Door-D Window-W4 Block 5 Door-D Window-W3 Window-W4 Block 6 Door-D KSRB 15-17.19:Applying additional oncoat) on previously painted wood surfasurface with black japan paint to give and cleaning the surface of all dirt, dust and cleaning the surface of	lore tile roofing using first for ridges and hips, wood at 1:4 over the existing ur, curing complete as per 3.17KSRB 8.4-2: do- Nandi ge tiles including pointing ge tiles including pointing ge painting one coat (painted wood surface and / n paint to give an even	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Rmt Rmt Rmt	1 1 1 1	36.50 7.70	Total Total Total		369.20 67.76 436.96 262.18 436.96 436.96 174.78
Block 5 Total 60% Quantity KSRB 8.4: Providing and fixing Mangal class tiles with necessary special tiles freepers and pointed with cement mortar afters including cost of materials, labo specifications. Specification No. KBS 8 wood reepers of size 50x25mm PWD 18-19,SI No.8.11 School Building Total 40% Quantity Removing and fixing old Mangalore rid with C.M. 1:3. PWD 18-19,SI No.37.10,Pg No.267 Block 4 Block 5 Total 80% Quantity KSRB 15-17.19: Providing and applyin excluding priming coat) on previously or wood based surface with black japar shade after cleaning the surface of all matter, including cost of materials, labo specifications. PWD 18-19,SI No.15.71,Pg No.123 Block 2 & 3 Door-D Window-W Block 4 Door-D1 Door-D2 Door-D4 Window-W4 Window-W3 Window-W4 Block 5 Door-D Window-W4 Block 6 Door-D KSRB 15-17.19:Applying additional oncoat) on previously painted wood surface with black japan paint to give a surface with black japan paint to give a surface with black japan paint to give a surface with black japan paint to give a surface with black japan paint to give a	for ridges and hips, wood at 1:4 over the existing ur, curing complete as per 8.17KSRB 8.4-2: do- Nandi ge tiles including pointing ge tiles including pointing ge painting one coat (painted wood surface and / n paint to give an even	Sqm Sqm Sqm Sqm Sqm Sqm Rmt Rmt Rmt	1		Total		67.76 436.96 262.18 436.96 436.96 174.78
Block 5 Total 60% Quantity KSRB 8.4: Providing and fixing Mangal class tiles with necessary special tiles freepers and pointed with cement mortar afters including cost of materials, labo specifications. Specification No. KBS 8 wood reepers of size 50x25mm PWD 18-19,SI No.8.11 School Building Total 40% Quantity Removing and fixing old Mangalore rid with C.M. 1:3. PWD 18-19,SI No.37.10,Pg No.267 Block 4 Block 5 Total 80% Quantity KSRB 15-17.19: Providing and applyin excluding priming coat) on previously or wood based surface with black japar shade after cleaning the surface of all matter, including cost of materials, labo specifications. PWD 18-19,SI No.15.71,Pg No.123 Block 2 & 3 Door-D Window-W Block 4 Door-D1 Door-D2 Door-D4 Window-W4 Window-W3 Window-W4 Block 5 Door-D Window-W4 Block 6 Door-D KSRB 15-17.19:Applying additional oncoat) on previously painted wood surface with black japan paint to give a surface with black japan paint to give a surface with black japan paint to give a surface with black japan paint to give a surface with black japan paint to give a	for ridges and hips, wood at 1:4 over the existing ur, curing complete as per 8.17KSRB 8.4-2: do- Nandi ge tiles including pointing ge tiles including pointing ge painting one coat (painted wood surface and / n paint to give an even	Sqm Sqm Sqm Sqm Sqm Sqm Rmt Rmt Rmt	1		Total		67.76 436.96 262.18 436.96 436.96 174.78
KSRB 8.4: Providing and fixing Mangal class tiles with necessary special tiles freepers and pointed with cement mortar afters including cost of materials, labo specifications. Specification No. KBS 8 wood reepers of size 50x25mm PWD 18-19,SI No.8.11 School Building Total 40% Quantity Removing and fixing old Mangalore rid with C.M. 1:3. PWD 18-19,SI No.37.10,Pg No.267 Block 4 Block 5 Total 80% Quantity KSRB 15-17.19: Providing and applyin excluding priming coat) on previously or wood based surface with black japar shade after cleaning the surface of all of matter, including cost of materials, labo specifications. PWD 18-19,SI No.15.71,Pg No.123 Block 2 & 3 Door-D Window-W Block 4 Door-D2 Door-D3 Door-D4 Window-W4 Window-W3 Window-W4 Block 5 Door-D Window-W4 Block 6 Door-D Window-W4 Block 6 Door-D KSRB 15-17.19:Applying additional one coat) on previously painted wood surfacent of the coat of	for ridges and hips, wood at 1:4 over the existing ur, curing complete as per 8.17KSRB 8.4-2: do- Nandi ge tiles including pointing ge tiles including pointing ge painting one coat (painted wood surface and / n paint to give an even	Sqm Sqm Sqm Sqm Sqm Rmt Rmt Rmt	1		Total		436.96 436.96 436.96 174.78
KSRB 8.4: Providing and fixing Mangal class tiles with necessary special tiles freepers and pointed with cement mortar rafters including cost of materials, labo specifications. Specification No. KBS 8 wood reepers of size 50x25mm PWD 18-19,SI No.8.11 School Building Total 40% Quantity Removing and fixing old Mangalore rid with C.M. 1:3. PWD 18-19,SI No.37.10,Pg No.267 Block 4 Block 5 Total 80% Quantity KSRB 15-17.19: Providing and applyine excluding priming coat) on previously or wood based surface with black japan shade after cleaning the surface of all of matter, including cost of materials, labor specifications. PWD 18-19,SI No.15.71,Pg No.123 Block 2 & 3 Door-D Window-W Block 4 Door-D Door-D1 Door-D2 Door-D3 Door-D4 Window-W1 Window-W2 Window-W3 Window-W4 Block 5 Door-D Window-W4 Block 6 Door-D KSRB 15-17.19:Applying additional oncoat) on previously painted wood surfas surface with black japan paint to give a surface with black japan paint to give a surface with black japan paint to give a surface with black japan paint to give a	for ridges and hips, wood at 1:4 over the existing ur, curing complete as per 8.17KSRB 8.4-2: do- Nandi ge tiles including pointing ge tiles including pointing ge painting one coat (painted wood surface and / n paint to give an even	Sqm Sqm Sqm Sqm Rmt Rmt Rmt	1				436.96 436.96 174.78
class tiles with necessary special tiles freepers and pointed with cement mortal rafters including cost of materials, labo specifications. Specification No. KBS 8 wood reepers of size 50x25mm PWD 18-19,SI No.8.11 School Building Total 40% Quantity Removing and fixing old Mangalore rid with C.M. 1:3. PWD 18-19,SI No.37.10,Pg No.267 Block 4 Block 5 Total 80% Quantity KSRB 15-17.19: Providing and applying excluding priming coat) on previously or wood based surface with black japan shade after cleaning the surface of all matter, including cost of materials, labo specifications. PWD 18-19,SI No.15.71,Pg No.123 Block 2 & 3 Door-D Window-W Block 4 Door-D1 Door-D2 Door-D3 Door-D4 Window-W1 Window-W3 Window-W4 Block 5 Door-D Window-W4 Block 5 Door-D Window-W4 Block 6 Door-D KSRB 15-17.19:Applying additional oncoat) on previously painted wood surface with black japan paint to give a surface with black japan	for ridges and hips, wood at 1:4 over the existing ur, curing complete as per 8.17KSRB 8.4-2: do- Nandi ge tiles including pointing ge tiles including pointing ge painting one coat (painted wood surface and / n paint to give an even	Sqm Sqm Sqm	1				436.96 174.78
Total 40% Quantity Removing and fixing old Mangalore rid with C.M. 1:3. PWD 18-19,SI No.37.10,Pg No.267 Block 4 Block 5 Total 80% Quantity KSRB 15-17.19: Providing and applying excluding priming coat) on previously yor wood based surface with black japan shade after cleaning the surface of all matter, including cost of materials, labor specifications. PWD 18-19,SI No.15.71,Pg No.123 Block 2 & 3 Door-D Window-W Block 4 Door-D Door-D1 Door-D2 Door-D3 Door-D4 Window-W1 Window-W2 Window-W3 Window-W3 Window-W4 Block 5 Door-D Window-W4 Block 6 Door-D KSRB 15-17.19:Applying additional one coat) on previously painted wood surface with black japan paint to give a surface with black japan paint to give a	g painting one coat (painted wood surface and / n paint to give an even	Sqm Sqm Rmt Rmt Rmt	1				436.96 174.78
Total 40% Quantity Removing and fixing old Mangalore rid with C.M. 1:3. PWD 18-19,SI No.37.10,Pg No.267 Block 4 Block 5 Total 80% Quantity KSRB 15-17.19: Providing and applying excluding priming coat) on previously yor wood based surface with black japan shade after cleaning the surface of all matter, including cost of materials, labor specifications. PWD 18-19,SI No.15.71,Pg No.123 Block 2 & 3 Door-D Window-W Block 4 Door-D Door-D1 Door-D2 Door-D3 Door-D4 Window-W1 Window-W2 Window-W3 Window-W3 Window-W4 Block 5 Door-D Window-W4 Block 6 Door-D KSRB 15-17.19:Applying additional one coat) on previously painted wood surface with black japan paint to give a surface with black japan paint to give a	g painting one coat (painted wood surface and / n paint to give an even	Sqm Sqm Rmt Rmt Rmt					436.96 174.78
Removing and fixing old Mangalore rid with C.M. 1:3. PWD 18-19,SI No.37.10,Pg No.267 Block 4 Block 5 Total 80% Quantity KSRB 15-17.19: Providing and applying excluding priming coat) on previously yor wood based surface with black japans shade after cleaning the surface of all matter, including cost of materials, labor specifications. PWD 18-19,SI No.15.71,Pg No.123 Block 2 & 3 Door-D Window-W Block 4 Door-D Door-D1 Door-D2 Door-D3 Door-D4 Window-W1 Window-W2 Window-W3 Window-W4 Block 5 Door-D Window-W4 Block 6 Door-D KSRB 15-17.19:Applying additional one coat) on previously painted wood surface with black japan paint to give a	g painting one coat (painted wood surface and / n paint to give an even	Rmt Rmt Rmt					174.78 36.50
Removing and fixing old Mangalore rid with C.M. 1:3. PWD 18-19,SI No.37.10,Pg No.267 Block 4 Block 5 Total 80% Quantity KSRB 15-17.19: Providing and applying excluding priming coat) on previously yor wood based surface with black japans shade after cleaning the surface of all matter, including cost of materials, labor specifications. PWD 18-19,SI No.15.71,Pg No.123 Block 2 & 3 Door-D Window-W Block 4 Door-D Door-D1 Door-D2 Door-D3 Door-D4 Window-W1 Window-W2 Window-W3 Window-W4 Block 5 Door-D Window-W4 Block 6 Door-D KSRB 15-17.19:Applying additional one coat) on previously painted wood surface with black japan paint to give a	g painting one coat (painted wood surface and / n paint to give an even	Rmt Rmt Rmt			Total		36.50
with C.M. 1:3. PWD 18-19,SI No.37.10,Pg No.267 Block 4 Block 5 Total 80% Quantity KSRB 15-17.19: Providing and applying excluding priming coat) on previously gor wood based surface with black japan shade after cleaning the surface of all matter, including cost of materials, labor specifications. PWD 18-19,SI No.15.71,Pg No.123 Block 2 & 3 Door-D Window-W Block 4 Door-D Door-D1 Door-D2 Door-D3 Door-D4 Window-W1 Window-W2 Window-W3 Window-W4 Block 5 Door-D Window-W4 Block 6 Door-D KSRB 15-17.19:Applying additional one coat) on previously painted wood surface with black japan paint to give a	g painting one coat (painted wood surface and / n paint to give an even	Rmt Rmt			Total		
Block 5 Total 80% Quantity KSRB 15-17.19: Providing and applying excluding priming coat) on previously yor wood based surface with black japan shade after cleaning the surface of all of matter, including cost of materials, labor specifications. PWD 18-19,SI No.15.71,Pg No.123 Block 2 & 3 Door-D Window-W Block 4 Door-D Door-D1 Door-D2 Door-D3 Door-D4 Window-W1 Window-W2 Window-W3 Window-W3 Window-W4 Block 5 Door-D Window-W Block 6 Door-D KSRB 15-17.19:Applying additional one coat) on previously painted wood surface with black japan paint to give a	painted wood surface and / n paint to give an even	Rmt Rmt			Total		
Total 80% Quantity KSRB 15-17.19: Providing and applying excluding priming coat) on previously priming coat of the surface of all of the surface of all of the surface of all of the surface of all of the surface of all of the surface of all of the surface of t	painted wood surface and / n paint to give an even	Rmt	1	7.70	Total		7 70
KSRB 15-17.19: Providing and applying excluding priming coat) on previously por wood based surface with black japan shade after cleaning the surface of all matter, including cost of materials, labor specifications. PWD 18-19,SI No.15.71,Pg No.123 Block 2 & 3 Door-D Window-W Block 4 Door-D Door-D1 Door-D2 Door-D3 Door-D4 Window-W1 Window-W2 Window-W3 Window-W4 Block 5 Door-D Window-W4 Block 6 Door-D KSRB 15-17.19:Applying additional one coat) on previously painted wood surface surface with black japan paint to give a	painted wood surface and / n paint to give an even				rotal	1	
KSRB 15-17.19: Providing and applying excluding priming coat) on previously por wood based surface with black japan shade after cleaning the surface of all matter, including cost of materials, labor specifications. PWD 18-19,SI No.15.71,Pg No.123 Block 2 & 3 Door-D Window-W Block 4 Door-D Door-D1 Door-D2 Door-D3 Door-D4 Window-W1 Window-W2 Window-W3 Window-W4 Block 5 Door-D Window-W4 Block 6 Door-D KSRB 15-17.19:Applying additional one coat) on previously painted wood surface surface with black japan paint to give a	painted wood surface and / n paint to give an even	Aiill				† †	44.20 35.36
excluding priming coat) on previously or wood based surface with black japan shade after cleaning the surface of all of matter, including cost of materials, labor specifications. PWD 18-19,SI No.15.71,Pg No.123 Block 2 & 3 Door-D Window-W Block 4 Door-D Door-D1 Door-D2 Door-D3 Door-D4 Window-W1 Window-W1 Window-W2 Window-W3 Window-W4 Block 5 Door-D Window-W Block 6 Door-D KSRB 15-17.19:Applying additional one coat) on previously painted wood surface surface with black japan paint to give a	painted wood surface and / n paint to give an even						33.36
Door-D Window-W Block 4 Door-D Door-D1 Door-D2 Door-D3 Door-D4 Window-W Window-W1 Window-W2 Window-W3 Window-W4 Block 5 Door-D Window-W Block 6 Door-D KSRB 15-17.19:Applying additional one coat) on previously painted wood surface surface with black japan paint to give a	our, complete as per						
Window-W Block 4 Door-D Door-D1 Door-D2 Door-D3 Door-D4 Window-W Window-W1 Window-W2 Window-W3 Window-W4 Block 5 Door-D Window-W Block 6 Door-D KSRB 15-17.19:Applying additional one coat) on previously painted wood surface surface with black japan paint to give a							
Block 4 Door-D Door-D1 Door-D2 Door-D3 Door-D4 Window-W Window-W1 Window-W2 Window-W3 Window-W4 Block 5 Door-D Window-W Block 6 Door-D KSRB 15-17.19:Applying additional one coat) on previously painted wood surfactor surface with black japan paint to give a		Sqm	1	1.10		2.10	2.31
Door-D Door-D1 Door-D2 Door-D3 Door-D4 Window-W Window-W2 Window-W3 Window-W4 Block 5 Door-D Window-W Block 6 Door-D KSRB 15-17.19:Applying additional oncoat) on previously painted wood surface surface with black japan paint to give a		Sqm	1	0.90		1.20	1.08
Door-D1 Door-D2 Door-D3 Door-D4 Window-W Window-W1 Window-W3 Window-W4 Block 5 Door-D Window-W Block 6 Door-D KSRB 15-17.19:Applying additional one coat) on previously painted wood surface with black japan paint to give a				ļ			
Door-D2 Door-D3 Door-D4 Window-W1 Window-W2 Window-W3 Window-W4 Block 5 Door-D Window-W Block 6 Door-D KSRB 15-17.19:Applying additional one coat) on previously painted wood surface with black japan paint to give a		Sqm	4	1.18		2.10	9.91
Door-D3 Door-D4 Window-W Window-W1 Window-W2 Window-W3 Window-W4 Block 5 Door-D Window-W Block 6 Door-D KSRB 15-17.19:Applying additional one coat) on previously painted wood surface surface with black japan paint to give a		Sqm	1	0.91		1.99	1.81
Door-D4 Window-W Window-W1 Window-W2 Window-W3 Window-W4 Block 5 Door-D Window-W Block 6 Door-D KSRB 15-17.19:Applying additional oncoat) on previously painted wood surface with black japan paint to give a		Sqm	1	1.10		2.05	2.26
Window-W Window-W1 Window-W2 Window-W3 Window-W4 Block 5 Door-D Window-W Block 6 Door-D KSRB 15-17.19:Applying additional one coat) on previously painted wood surface with black japan paint to give a		Sqm	2	1.06		2.10	4.45
Window-W1 Window-W2 Window-W3 Window-W4 Block 5 Door-D Window-W Block 6 Door-D KSRB 15-17.19:Applying additional one coat) on previously painted wood surface with black japan paint to give a		Sqm	1	0.75		1.75	1.31
Window-W2 Window-W3 Window-W4 Block 5 Door-D Window-W Block 6 Door-D KSRB 15-17.19:Applying additional one coat) on previously painted wood surface with black japan paint to give a		Sqm	11	1.19		1.47	19.24
Window-W3 Window-W4 Block 5 Door-D Window-W Block 6 Door-D KSRB 15-17.19:Applying additional one coat) on previously painted wood surface with black japan paint to give a		Sqm	1	1.07		1.34	1.43
Window-W4 Block 5 Door-D Window-W Block 6 Door-D KSRB 15-17.19:Applying additional one coat) on previously painted wood surface with black japan paint to give a		Sqm	2	0.84		1.62	2.72
Block 5 Door-D Window-W Block 6 Door-D KSRB 15-17.19:Applying additional one coat) on previously painted wood surface with black japan paint to give a		Sqm	2	2.98		1.62	9.66
Door-D Window-W Block 6 Door-D KSRB 15-17.19:Applying additional one coat) on previously painted wood surface with black japan paint to give a		Sqm	2	1.04		1.35	2.81
Window-W Block 6 Door-D KSRB 15-17.19:Applying additional one coat) on previously painted wood surface with black japan paint to give a		Cam	4	0.00		2.10	4.00
Block 6 Door-D KSRB 15-17.19:Applying additional one coat) on previously painted wood surface with black japan paint to give a		Sqm	3	0.90 0.96		2.10 1.20	1.89
KSRB 15-17.19:Applying additional one coat) on previously painted wood surface with black japan paint to give a		Sqm	3	0.96		1.20	3.46
KSRB 15-17.19:Applying additional on coat) on previously painted wood surface with black japan paint to give a		Sqm	2	0.75		1.98	2.97
coat) on previously painted wood surface with black japan paint to give a		Sqm		0.73	Total	1.90	67.31
cost of materials, labour, complete as p PWD 18-19,SI No.15.72,Pg No.123	ace and / or wood based in even shade after d foreign matter, including						
Block 2 & 3							
Door-D	_	Sqm	1	1.10		2.10	2.31
Window-W		Sqm	1	0.90		1.20	1.08
Block 4 Door-D		Sqm	4	1.18		2.10	9.91
Door-D1		Sqm	1	0.91		1.99	
Door-D2		Sqm	1	1.10		2.05	1.81 2.26
Door-D2 Door-D3			2	1.10		2.05	4.45
Door-D4		Sam	1	0.75		1.75	1.31
Window-W		Sqm Sam	11	1.19		1.47	19.24
Window-W1		Sqm		1.07		1.34	1.43
Window-W2		Sqm Sqm	1			1.62	2.72
Window-W3		Sqm Sqm Sqm	2	0.84		1.62	9.66
Window-W4		Sqm Sqm	1 2 2	0.84 2.98			2.81
Block 5		Sqm Sqm Sqm Sqm	2			1.35	

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	Door-D	Sqm	1	0.90		2.10	1.89
	Window-W	Sqm	3	0.96		1.20	3.46
	Block 6	0	0	0.75		4.00	0.07
	Door-D	Sqm	2	0.75	Total	1.98	2.97 67.31
		Sqm			TOTAL		07.31
33	Providing and laying non - asbestos high impact ploypropylene reinforced corrugated cement roofing sheet reinforced with Other colours and with a blend of strong factory made fibre as per IS:14871 and IS:9933:1995 (E) roofing upto any pitch and fixing with polymer coated J or L hooks, bolts and nuts 8mm dia, G I plain and bitumen washers or with self drilling fastener and EPDM washers ete. complete but excluding the cost of purlins, refters and trusses. including cutting to size and shape of corrugated sheets wherever required. and cost of materials, labour, complete as per specifications. PWD 18-19,SI No.8.31.2,Pg No 51						
	Hand Washroom Area	Sqm	1.00	3.30	3.59		11.85
	Boys n Girls Toilet	Sqm	1.00	7.40	4.7		34.78
		Sqm			Total		46.63
34	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification PWD 18-19,SI No.10.5.1,Pg No 69						
	Block 2 & 3	Sqm	1	26.40		0.45	11.88
	Special Toilet Ceiling	Sqm	1	1.86	3.15		5.86
	Kitchen Ceiling	Sqm	1	4.30	3.75	0.45	16.13
	Block 4 Staff Toilet Ceiling	Sqm Sqm	1	76.00 1.51	1.57	0.45	34.20 2.37
	Block 5	Sqm	1	26.82	1.07	0.45	12.07
	Block 6	Sqm	1	19.60		0.45	8.82
		Sqm			Total		91.33
35	Providing and fixing Vitrified glazed tiles of approved make, quality & colour of size 900 x 900 x 12mm thick fixed on bed of 12mm thick cement mortar for flooring, skirting and JOinted with neat cement slurry mixed with pigment to mach shade of tiles, including providing spacers at required interval and removing stains, including cost of all mateirals, mortar, labour, etc., Complete as per specification. (KPWD 18-19,SI.No.14.45.1)						
	Entrance Area	Sqm	1.00	11.92	12.00		143.00
	Total Qty	Sqm					143.00
36	KSRRB M300- Planting and Maintaining of Flowering Plants and Shrubs KSRRB M300- 8.1. Planting and Maintaining of Flowering Plants and Shrubs - A) Planting flowring plants and shrubs in central verge MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149						
	Total Area	Rmt	1.00	30.00			30.00
	Total Qty	Rmt			Total		30.00

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
37	Providing and laying heavy duty Tactile Tiles (Direction and Stop tiles-300 x 300 mm) 60mm thick and Yellow in colour , using cement and course sand for manufacture of blocks of approved size, shape with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. (As Per EOI)						
	Surrounding Building	Sqm	1.00	150.00			150.00
	Total Qty	Sqm			Total		150.00

Executive Engineer MSCL Mangaluru

GM Technical MSCL Mangaluru

MANGALURU SMART CITY 1.4 Rate Analysis of E-SMART SCHOOL

RATE ANALYSIS - NEERESHWALYA

	PWD 18-19,Page No 138,SI No.18.10)			
	Basic rate		25755	
	Sub Total		25755	
	Add 10% For area weightage		2575.50	
	Total	Rate	28330.50	
2	KSRB 24-9 : Cleaning and washing of stone labour, complete as per specifications. Spe (Page No 130,Sl No : 16.4)	•	acid including o	cost of materi
	,	<u> </u>	F 00	
	Basic rate Sub Total		5.00 5.00	
		+		
	Add 10% For area weightage Total	Bete	0.50	
	Total	Rate	5.50	Sqm
	(KPWD 18-19,Page No 384,SI No : 42.5.3) Basic rate		3391	1
	Cub Total			
	Sub Total Add 10% For area weightage		3391	
	Sub Total Add 10% For area weightage Total	Rate		
4	Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cemel and concrete surface including rounding off removing scaffolding, including cost of materials.	nt plaster in single coat with ceme corners wherever required smoo	3391 339.10 3730.10 ent mortar 1:4, toth rendering, : I	Cum o stone maso
4	Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cemerand concrete surface including rounding off	nt plaster in single coat with ceme corners wherever required smoo	3391 339.10 3730.10 ent mortar 1:4, toth rendering, : I	Cum o stone maso
4	Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cemel and concrete surface including rounding off removing scaffolding, including cost of mater PWD 18-19,SI No.15.19,Pg No 116 Basic rate	nt plaster in single coat with ceme corners wherever required smoo	3391 339.10 3730.10 ent mortar 1:4, toth rendering, : If per specification	o stone maso Providing and
4	Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cemerand concrete surface including rounding off removing scaffolding, including cost of mater PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total	nt plaster in single coat with ceme corners wherever required smoo	3391 339.10 3730.10 ent mortar 1:4, toth rendering, : If per specification 273 273	o stone maso Providing and ons.
4	Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cemerand concrete surface including rounding off removing scaffolding, including cost of mater PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage	nt plaster in single coat with ceme corners wherever required smoo erials, labour, curing complete as	3391 339.10 3730.10 ent mortar 1:4, toth rendering, : If per specification 273 273 27.30	o stone maso Providing and ons.
4	Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cemerand concrete surface including rounding off removing scaffolding, including cost of mater PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total	nt plaster in single coat with ceme corners wherever required smoo	3391 339.10 3730.10 ent mortar 1:4, toth rendering, : If per specification 273 273	o stone maso Providing and ons.
	Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cemerand concrete surface including rounding off removing scaffolding, including cost of mater PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1 : Providing and finishing external and shade to give an even shade after powdered material, free from mortar drops per specifications.	nt plaster in single coat with ceme corners wherever required smooth crials, labour, curing complete as Rate Ernal walls in two coats with water throughly brooming the surface	3391 339.10 3730.10 ent mortar 1:4, toth rendering, : If per specification 273 273 2730 300.30 rproof cement per to remove all contents and the second contents are to remove all contents and the second contents are to remove all contents and the second contents are to remove all contents	o stone masons. Sqm Praint of approdict and loose
	Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cemel and concrete surface including rounding off removing scaffolding, including cost of mate PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1 : Providing and finishing external and shade to give an even shade after powdered material, free from mortar drops	nt plaster in single coat with ceme corners wherever required smooth crials, labour, curing complete as Rate Ernal walls in two coats with water throughly brooming the surface	3391 339.10 3730.10 ent mortar 1:4, toth rendering, : If per specification 273 273 2730 300.30 rproof cement per to remove all contents and the second contents are to remove all contents and the second contents are to remove all contents and the second contents are to remove all contents	cum o stone maso Providing and ons. Sqm aint of approvidint and loose r, complete as
	Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cemerand concrete surface including rounding off removing scaffolding, including cost of mater PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1 : Providing and finishing external and shade to give an even shade after powdered material, free from mortar drops per specifications. - do - with Primer	nt plaster in single coat with ceme corners wherever required smooth crials, labour, curing complete as Rate Ernal walls in two coats with water throughly brooming the surface	3391 339.10 3730.10 ent mortar 1:4, to the rendering, : If per specification 273 273 27.30 300.30 rproof cement per to remove all conaterials, labour	cum o stone maso Providing and ons. Sqm Paint of appro- dirt and loose r, complete a
5	Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cemerand concrete surface including rounding off removing scaffolding, including cost of mater PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1 : Providing and finishing external and shade to give an even shade after powdered material, free from mortar drops per specifications do - with Primer Basic Rate	nt plaster in single coat with ceme corners wherever required smooth crials, labour, curing complete as Rate Ernal walls in two coats with water throughly brooming the surface	3391 339.10 3730.10 3730.10 ent mortar 1:4, toth rendering, : If per specification 273 273 27.30 300.30 erproof cement per to remove all conaterials, labour	cum o stone mas Providing and ons. Sqm aint of approdirt and loose r, complete a

	Providing external walls with texture finish using approved	hrand naint an	nlied uniformly in	three coats
	over one coat of primer including cost of all materials, macl	•	•	
6	unloading, all lead and lift and all other incidental charges in		•	•
О	complete as per specifications.	icidaling scanoic	ang and removin	g stairis,
	(KPWD 18-19,SI No.15.103)			
	Basic Rate	T	340.00	ı
	Sub Total		340	
	Add 10% For Area weightage Total	Poto	34.00	
	Total	Rate	374.00	Sqiii
	KSRRB MS00-10 Painting new letter and figures of any sl	ando with synthe	atic onamol paint	black or any
	other approved colour to give an even shade complete as p	•	•	•
7	Hyphen and the like not to be measured and paid for"	oci opecinication	3. (II) Erigiisii ai	ia Roman
,	MORTH Specification No.801			
	(KSRRB 18-19,SI No.24.10)			
	Basic Rate		0.70	
	Sub Total			
			0.7	
	Add 10% For Area weightage Total	Rate	0.07 0.77	
	Total	Kale	0.77	Cili
	Cleaning RCC sump tanks and RCC overhead tanks with r	nachanical day	atering including	removal of
	sludge, mud, dirt, algea etc and cleaning the wall surface o			
	and spraying anti bacterial treatment to the wall and ceiling			
0	of sludge etc, using suitable coconut broomstick, squeese	•		
8	plastic buckets, mugs, dewatering using motor with portal	•		
	all safety measures.	arrangomoni, m	000 p.p0 0.0., 00.	mproto morading
	(KPWD 18-19,SI No.10.7)			
	<u>'</u>	1		1
	Basic Rate		0.35	
	Sub Total		0.35	
	Add 10% For Area weightage		0.04	
	Total	Rate	0.39	<u>L</u>
	LYODD 45 40 0 D 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		<u>, , , , , , , , , , , , , , , , , , , </u>	
	KSRB 15-18.3 : Providing and applying enamel metal paint			
9	painted steel or other metal surface brushing to give an ever		0 . 0	e, dirt and other
· ·	foreign matter, including cost of materials, labour, complete PWD 18-19,SI No.15.75,Pg No 123	e as per specific	ations.	
	PWD 10-19,51N0.15.75,Pg N0 125		,	,
	Basic Rate		61.00	
	Sub Total		61	
	Add 10% For Area weightage		6.10	
	Total	Rate	67.10	Sqm
_	KSRB 2-2.1 : Earthwork excavation for foundation of building	•	•	
	conduits either in pits or in trenches 1.5m and above in wid	•		•
10	including dressing the bottom and sides of pits and trenche			
10	of excavation with lead upto 50 m. after breaking of clods c	omplete as per	specifications. sp	ecification. No.
	KBS 2.1(a) / 2.3.5			
	PWD 18-19,SI No.2.3,Pg No 6			
	Basic Rate		299.00	
	Sub Total		299	i e e e e e e e e e e e e e e e e e e e
	add 10% For Area weightage		29.90	
	Total	Rate	328.90	

	KSRB 4-1.6; Providing and laying in position	plain cement concrete of Mix 1		S Z-TONGO, WILL I			
	20mm and down size graded granite metal co	•		•			
	0.53cum, machine mixed, concrete laid in laye			•			
11	foundation, plinth and cills, including cost of a	ll materials, labour, HOM curin	g complete as p	er			
	specifications. Specification No. KBS 4.1, 4.2 PWD 18-19,SI No.4.6,Pg No 13						
	PWD 18-19,SI No.4.6,Pg No 13						
	Basic Rate		5900.00				
	Sub Total		5900				
	add 10% For Area weightage		590.00				
	Total	Rate	6490.00	Cum			
	Providing and laying in position reinforced cer	nent concrete of design mix M	125 with OPC ce	ment @			
	340kgs, with 20mm and down size graded gra						
	@ 0.47cum, with super plasticisers @ 3 liters	_					
	mixed, concrete laid in layers not exceeding 1			•			
12	pedestrals, retaining walls, returnwalls, walls (, ,	•	•			
	posts, struts, buttresses, bed blocks, anchor b			ils, labour, HOM			
	of machinery, curing, complete but excluding	cost of reinforcement as per sp	pecifications.				
	PWD 18-19,SI No.4.10,Pg No 14						
	Basic Rate		6198.00				
	Sub Total		6198				
	add 10% For Area weightage	_	619.80				
	Total	Rate	6817.80	Cum			
	D : II TMT () : (DOO		62 L P L	12 1 2			
	Providing TMT steel reinforcement for R.C.C						
	in position, lapping and / or welding wherever	required, tying with binding wir	e and anchoring	to the adjoining			
13	in position, lapping and / or welding wherever members wherever necessary complete as pe	required, tying with binding wir er design (laps and wastage sh	re and anchoring nall not be meas	to the adjoining ured and paid)			
13	in position, lapping and / or welding wherever members wherever necessary complete as pe cost of materials, labour, HOM of machinery of	required, tying with binding wir er design (laps and wastage sh	re and anchoring nall not be meas	to the adjoining ured and paid)			
13	in position, lapping and / or welding wherever members wherever necessary complete as pe cost of materials, labour, HOM of machinery of directinon of Engineer-in-Charge. FE 500	required, tying with binding wir er design (laps and wastage sh	re and anchoring nall not be meas	to the adjoining ured and paid)			
13	in position, lapping and / or welding wherever members wherever necessary complete as per cost of materials, labour, HOM of machinery of directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18	required, tying with binding wir er design (laps and wastage sh	e and anchoring nall not be meas as per specificat	to the adjoining ured and paid)			
13	in position, lapping and / or welding wherever members wherever necessary complete as percent of materials, labour, HOM of machinery of directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate	required, tying with binding wir er design (laps and wastage sh	re and anchoring nall not be meast as per specificat 70782.00	to the adjoining ured and paid)			
13	in position, lapping and / or welding wherever members wherever necessary complete as percept of materials, labour, HOM of machinery of directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total	required, tying with binding wir er design (laps and wastage sh	re and anchoring nall not be meas as per specificat 70782.00 70782	to the adjoining ured and paid)			
13	in position, lapping and / or welding wherever members wherever necessary complete as percent of materials, labour, HOM of machinery of directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage	required, tying with binding wir er design (laps and wastage sh complete with all lead lifts and a	re and anchoring nall not be meas as per specificat 70782.00 70782	to the adjoining ured and paid) ions and			
13	in position, lapping and / or welding wherever members wherever necessary complete as percept of materials, labour, HOM of machinery of directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total	required, tying with binding wir er design (laps and wastage sh	re and anchoring nall not be meas as per specificat 70782.00 70782	to the adjoining ured and paid) ions and			
13	in position, lapping and / or welding wherever members wherever necessary complete as perception of materials, labour, HOM of machinery of directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage Total	required, tying with binding wir er design (laps and wastage sh complete with all lead lifts and a	re and anchoring hall not be meast as per specificat 70782.00 70782 7078.20 77860.20	to the adjoining ured and paid) ions and			
	in position, lapping and / or welding wherever members wherever necessary complete as percept of materials, labour, HOM of machinery of directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing,centering, shuttering,	required, tying with binding wire required, tying with binding wire required (laps and wastage shoomplete with all lead lifts and a reasonable Rate) Strutting, propping etc., and re	re and anchoring nall not be meast as per specificat 70782.00 70782 7078.20 77860.20 emoval of form w	to the adjoining ured and paid) ions and MT			
13	in position, lapping and / or welding wherever members wherever necessary complete as percept cost of materials, labour, HOM of machinery of directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing, centering, shuttering, foundations, footings, bases of columns for members wherever members wherever members wherever members wherever members wherever members wherever members wherever members wherever members wherever members wherever members wherever necessary complete as percept wherever members wherever necessary complete as percept wherever members wherever necessary complete as percept wherever necessary complete	required, tying with binding wire required, tying with binding wire required (laps and wastage shoomplete with all lead lifts and a reasonable Rate) Strutting, propping etc., and re	re and anchoring nall not be meast as per specificat 70782.00 70782 7078.20 77860.20 emoval of form w	to the adjoining ured and paid) ions and MT			
	in position, lapping and / or welding wherever members wherever necessary complete as percept cost of materials, labour, HOM of machinery of directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing, centering, shuttering, foundations, footings, bases of columns for mas per specifications	required, tying with binding wire required, tying with binding wire required (laps and wastage shoomplete with all lead lifts and a reasonable Rate) Strutting, propping etc., and re	re and anchoring nall not be meast as per specificat 70782.00 70782 7078.20 77860.20 emoval of form w	to the adjoining ured and paid) ions and MT			
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	KSRRB M2200 - Providing Weep holes Providing weep ho		•	
	concrete abutment, wing wall / return wall with 100mm dia	• •	•	
16	structure with slope of 1V:20H towards drawing force comp	olete as per draw	ing and Technica	al specification
	complete as per specifications.			
	PWD 18-19,SI No.28.10,Pg No 229			
	Basic Rate		147.00	
	Sub Total		147	
	add 10% For Area weightage		14.70	
	Total	Rate	161.70	
	1.0	rtuto	101110	1100
	KSRB 2-4 : Refilling available earth around pipe lines, cabl	os in lavors not	avecading 20cms	in donth
17	compacting each deposited layer by ramming after watering	g with lead upto	Som. and intupit	1.5 111.
17	including cost of all labour complete as per specifications.			
	PWD 18-19,SI No.2.11,Pg No 7			
	Basic Rate		120.00	
	Sub Total			
			120	
	add 10% For Area weightage		12.00	
	Total	Rate	132.00	Cum
	Providing and fixing unplasticised PVC pipes with worki	ng pressure 10	kg/sq.cm with pip	e fittings, clip
	making good the floor, including cost of all materials, labor	ur charges, HO	M and testing co	mplete as per
18	specifications.	G .	J	
	KSRB 18-19,Pg No.77,SI No.11.56.2			
	do- with 110mm outer dia	T	000.00	
			606.00	
	Basic Rate			
	Sub Total		606	
	Sub Total	Rate	606	
	Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for road gully	cover including	606 60.60 666.60 fixing the cover a	Rmt and CM 1:3
19	Sub Total add 10% For Area weightage Total	cover including	606 60.60 666.60 fixing the cover a	Rmt and CM 1:3
19	Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for road gully Plastering 20mm thick to all exposed faces curing for 90 deexcluding cost of concrete etc,completete (As Per EOI)	cover including	606 60.60 666.60 fixing the cover a including cost of	Rmt and CM 1:3 plastering but
19	Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for road gully Plastering 20mm thick to all exposed faces curing for 90 de excluding cost of concrete etc, completete (As Per EOI) Basic Rate	cover including	606 60.60 666.60 fixing the cover a including cost of	Rmt and CM 1:3 plastering but
19	Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for road gully Plastering 20mm thick to all exposed faces curing for 90 de excluding cost of concrete etc,completete (As Per EOI) Basic Rate Sub Total	cover including	606 60.60 666.60 fixing the cover a including cost of 893.00 893	Rmt and CM 1:3 plastering but
19	Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for road gully Plastering 20mm thick to all exposed faces curing for 90 de excluding cost of concrete etc, completete (As Per EOI) Basic Rate	cover including	606 60.60 666.60 fixing the cover a including cost of	Rmt and CM 1:3 plastering but
19	Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for road gully Plastering 20mm thick to all exposed faces curing for 90 deexcluding cost of concrete etc,completete (As Per EOI) Basic Rate Sub Total Total	cover including ays with all lead	606 60.60 666.60 fixing the cover a including cost of 893.00 893.00	Rmt and CM 1:3 plastering but
19	Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for road gully Plastering 20mm thick to all exposed faces curing for 90 de excluding cost of concrete etc,completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44 : Repairs to plaster in patches of 2.5 sqm and	r cover including ays with all lead in Rate	606 60.60 666.60 fixing the cover a including cost of 893.00 893 893.00	Rmt and CM 1:3 plastering but Each n thick in
19	Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for road gully Plastering 20mm thick to all exposed faces curing for 90 deexcluding cost of concrete etc,completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44 : Repairs to plaster in patches of 2.5 sqm and cement mortar 1:4 including cutting the patches in proper second content in proper second c	r cover including ays with all lead in the Rate I less in walls, cesting and replase in the replacement in	606 60.60 666.60 fixing the cover a including cost of second seco	Rmt and CM 1:3 plastering but Each thick in e of the wall
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20	Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for road gully Plastering 20mm thick to all exposed faces curing for 90 dexcluding cost of concrete etc,completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44: Repairs to plaster in patches of 2.5 sqm and cement mortar 1:4 including cutting the patches in proper sincluding disposal of rubbish with a lead of 50m including of specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133 Basic Rate Sub Total Add 10% For Area weightage Total Providing and fixing Special make glazed Vitrified tiles (Gracolour of size 600x600x10mm thick fixed on existing floorir skirting etc., complete including providing spears at requires	Rate I less in walls, ceshape and replaseuring cost of mate Rate Rate	606 60.60 666.60 fixing the cover a including cost of sincluding cost	Rmt and CM 1:3 plastering but Each thick in e of the wall emplete as pe Sqm quality and r flooring and
20	Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for road gully Plastering 20mm thick to all exposed faces curing for 90 dexcluding cost of concrete etc, completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44: Repairs to plaster in patches of 2.5 sqm and cement mortar 1:4 including cutting the patches in proper sincluding disposal of rubbish with a lead of 50m including disposal of rubbish with a lead of 50m including of specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133 Basic Rate Sub Total Add 10% For Area weightage Total Providing and fixing Special make glazed Vitrified tiles (Gracolour of size 600x600x10mm thick fixed on existing flooring skirting etc., complete including providing spears at requires (P.No. 109, I.No. 14.43 of SR 2018-19).	Rate I less in walls, ceshape and replaseuring cost of mate Rate Rate	606 60.60 666.60 fixing the cover a including cost of sincluding cost	Rmt and CM 1:3 plastering but Each In thick in the each of the wall omplete as periods. Sqm quality and the flooring and control of the each of the each of the wall omplete as periods.
20	Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for road gully Plastering 20mm thick to all exposed faces curing for 90 de excluding cost of concrete etc, completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44: Repairs to plaster in patches of 2.5 sqm and cement mortar 1:4 including cutting the patches in proper sincluding disposal of rubbish with a lead of 50m including of specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133 Basic Rate Sub Total Add 10% For Area weightage Total Providing and fixing Special make glazed Vitrified tiles (Gracolour of size 600x600x10mm thick fixed on existing flooring skirting etc., complete including providing spears at require (P.No. 109, I.No. 14.43 of SR 2018-19). Basic Rate	Rate I less in walls, ceshape and replaseuring cost of mate Rate Rate	606 60.60 666.60 fixing the cover a including cost of sincluding cost	Rmt and CM 1:3 plastering but Each In thick in the each of the wall omplete as periods. Sqm quality and the flooring and control of the each of the each of the wall omplete as periods.
20	Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for road gully Plastering 20mm thick to all exposed faces curing for 90 dexcluding cost of concrete etc, completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44: Repairs to plaster in patches of 2.5 sqm and cement mortar 1:4 including cutting the patches in proper sincluding disposal of rubbish with a lead of 50m including disposal of rubbish with a lead of 50m including of specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133 Basic Rate Sub Total Add 10% For Area weightage Total Providing and fixing Special make glazed Vitrified tiles (Gracolour of size 600x600x10mm thick fixed on existing flooring skirting etc., complete including providing spears at requires (P.No. 109, I.No. 14.43 of SR 2018-19).	Rate I less in walls, ceshape and replaseuring cost of mate Rate Rate	606 60.60 666.60 fixing the cover a including cost of sincluding cost	Rmt and CM 1:3 plastering but Each thick in e of the wall emplete as pe Sqm quality and r flooring and c., complete.
20	Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for road gully Plastering 20mm thick to all exposed faces curing for 90 de excluding cost of concrete etc, completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44: Repairs to plaster in patches of 2.5 sqm and cement mortar 1:4 including cutting the patches in proper sincluding disposal of rubbish with a lead of 50m including of specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133 Basic Rate Sub Total Add 10% For Area weightage Total Providing and fixing Special make glazed Vitrified tiles (Gracolour of size 600x600x10mm thick fixed on existing flooring skirting etc., complete including providing spears at require (P.No. 109, I.No. 14.43 of SR 2018-19). Basic Rate	Rate I less in walls, ceshape and replaseuring cost of mate Rate Rate	606 60.60 666.60 fixing the cover a including cost of sincluding cost of serior stering the surface terials, labour, cost cost cost cost cost cost cost cost	Rmt and CM 1:3 plastering but Each thick in e of the wall emplete as pe Sqm quality and r flooring and c., complete.

	Providing and laying of teak wooden polished floo	ring of 12mm thick, high d	ensity timber of	approved colou		
	and design with end trims, transition, profiles, bea	ding, 15mm thick felt, and	20 micron polye	ester film with		
22	4mm thick foam underlay etc.,	_				
	(P.No.113, I.No.14.70 of PWD SR 2018-19)					
	Basic Rate		4800.00			
	Sub Total		4800			
			480.00			
	Add 10% For Area weightage	Dete				
	Total	Rate	5280.00	Sqm		
	ICOD 44.44 E. Droviding Coronic tiles of engrous		v flooring troods	a of otono and		
	KSRB 14.14-5: Providing Ceramic tiles of approve		•	•		
	landings laid on a bed of 12mm thick, cement mo			•		
23	pigment, including cost of materials, labour, curin	ig, complete as per specifi	cations for Ce	ramic Tiles of		
	size 30x30cms 6mm thick.					
	PWD 18-19,SI No.14.36.2,Pg No.107 and 108					
	Basic Rate		1211.00			
	Sub Total		1211			
	Add 10% For Area weightage		121.10			
	Total	Rate	1332.10	Sqm		
	Providing and laying pattern flooring for staircase	treads and risers using the	e combination of	20mm thick		
	ruby red granite @ 66%,20 mm thick grey granite	•				
24	granite materials are laid on existing bed of CM 1:					
24	rounding for nosing, flaming the ruby red granite f	•	. •	•		
	(P.No. 109, I.No. 14.46 of PWD SR 2018-19)	or 50 mm wide caring etc.,	, complete as pe	i specification		
	, , , , , , , , , , , , , , , , , , , ,			Γ		
	Basic Rate		7195.00			
	Sub Total		7195			
	Add 10% For Area weightage		719.50			
	Total	Rate	7914.50	Sqm		
25	Repairing door and window frames with available	wood to the required size.				
25	PWD 18-19,SI No.37.12,Pg No 267					
	Basic Rate		685.00			
	Basic Rate Sub Total		685.00 685			
	Sub Total		685			
	Sub Total Add 10% For Area weightage	Rate	685 68.50			
	Sub Total	Rate	685			
	Sub Total Add 10% For Area weightage Total	•	685 68.50 753.50	Sqm		
26	Sub Total Add 10% For Area weightage Total Repairing and fixing shutters (panelled or glazed)	•	685 68.50 753.50	Sqm		
26	Sub Total Add 10% For Area weightage Total Repairing and fixing shutters (panelled or glazed) PWD 18-19,SI No.37.13,Pg No.267	•	685 68.50 753.50 tors and cupboa	Sqm rds.		
26	Sub Total Add 10% For Area weightage Total Repairing and fixing shutters (panelled or glazed) PWD 18-19,SI No.37.13,Pg No.267 Basic Material Rate	•	685 68.50 753.50 tors and cupboa 685.00	Sqm rds.		
26	Sub Total Add 10% For Area weightage Total Repairing and fixing shutters (panelled or glazed) PWD 18-19,SI No.37.13,Pg No.267	•	685 68.50 753.50 tors and cupboa	Sqm rds.		
26	Sub Total Add 10% For Area weightage Total Repairing and fixing shutters (panelled or glazed) PWD 18-19,SI No.37.13,Pg No.267 Basic Material Rate Sub Total Add 10% For Area weightage for Labour	to doors, windows, ventila	685 68.50 753.50 tors and cupboa 685.00 685 68.50	Sqm rds.		
26	Sub Total Add 10% For Area weightage Total Repairing and fixing shutters (panelled or glazed) PWD 18-19,SI No.37.13,Pg No.267 Basic Material Rate Sub Total	•	685 68.50 753.50 tors and cupboa 685.00 685	Sqm rds.		
26	Sub Total Add 10% For Area weightage Total Repairing and fixing shutters (panelled or glazed) PWD 18-19,SI No.37.13,Pg No.267 Basic Material Rate Sub Total Add 10% For Area weightage for Labour	to doors, windows, ventila	685 68.50 753.50 tors and cupboa 685.00 685 68.50	Sqm rds.		
26	Sub Total Add 10% For Area weightage Total Repairing and fixing shutters (panelled or glazed) PWD 18-19,SI No.37.13,Pg No.267 Basic Material Rate Sub Total Add 10% For Area weightage for Labour	to doors, windows, ventila	685 68.50 753.50 tors and cupboa 685.00 685 68.50 753.50	Sqm rds.		
26	Sub Total Add 10% For Area weightage Total Repairing and fixing shutters (panelled or glazed) PWD 18-19,SI No.37.13,Pg No.267 Basic Material Rate Sub Total Add 10% For Area weightage for Labour Total	to doors, windows, ventila Rate two coats with plastic em	685 68.50 753.50 tors and cupboa 685.00 685 68.50 753.50 ulsion paint of a	Sqm rds. Sqm pproved brand		
	Sub Total Add 10% For Area weightage Total Repairing and fixing shutters (panelled or glazed) PWD 18-19,SI No.37.13,Pg No.267 Basic Material Rate Sub Total Add 10% For Area weightage for Labour Total KSRB 15-15.1 : Providing and applying painting in	to doors, windows, ventila Rate two coats with plastic emufter thoroughly brushing the	685 68.50 753.50 tors and cupboa 685.00 685 68.50 753.50 ulsion paint of and surface, free f	Sqm Sqm pproved brand rom mortar		
26	Sub Total Add 10% For Area weightage Total Repairing and fixing shutters (panelled or glazed) PWD 18-19,SI No.37.13,Pg No.267 Basic Material Rate Sub Total Add 10% For Area weightage for Labour Total KSRB 15-15.1 : Providing and applying painting ir on wall surface to give an even approved shade a	to doors, windows, ventila Rate two coats with plastic emufter thoroughly brushing the	685 68.50 753.50 tors and cupboa 685.00 685 68.50 753.50 ulsion paint of and surface, free f	Sqm Sqm pproved brand rom mortar		
	Sub Total Add 10% For Area weightage Total Repairing and fixing shutters (panelled or glazed) PWD 18-19,SI No.37.13,Pg No.267 Basic Material Rate Sub Total Add 10% For Area weightage for Labour Total KSRB 15-15.1 : Providing and applying painting ir on wall surface to give an even approved shade a drops and other foreign matter including preparing	to doors, windows, ventila Rate two coats with plastic emufter thoroughly brushing the	685 68.50 753.50 tors and cupboa 685.00 685 68.50 753.50 ulsion paint of and surface, free f	Sqm Sqm pproved brand rom mortar		
	Sub Total Add 10% For Area weightage Total Repairing and fixing shutters (panelled or glazed) PWD 18-19,SI No.37.13,Pg No.267 Basic Material Rate Sub Total Add 10% For Area weightage for Labour Total KSRB 15-15.1 : Providing and applying painting ir on wall surface to give an even approved shade a drops and other foreign matter including preparing materials, labour, complete as per specifications do- with primer	to doors, windows, ventila Rate two coats with plastic emufter thoroughly brushing the	685 68.50 753.50 tors and cupboa 685.00 685 68.50 753.50 ulsion paint of and surface, free f	Sqm Sqm pproved brand rom mortar		
	Sub Total Add 10% For Area weightage Total Repairing and fixing shutters (panelled or glazed) PWD 18-19,SI No.37.13,Pg No.267 Basic Material Rate Sub Total Add 10% For Area weightage for Labour Total KSRB 15-15.1 : Providing and applying painting ir on wall surface to give an even approved shade a drops and other foreign matter including preparing materials, labour, complete as per specifications do- with primer PWD 18-19,SI No.15.51.2,Pg No.119	to doors, windows, ventila Rate two coats with plastic emufter thoroughly brushing the	685 68.50 753.50 tors and cupboa 685.00 685 68.50 753.50 ulsion paint of an e surface, free find paper smooth	Sqm Sqm pproved brand rom mortar		
	Sub Total Add 10% For Area weightage Total Repairing and fixing shutters (panelled or glazed) PWD 18-19,SI No.37.13,Pg No.267 Basic Material Rate Sub Total Add 10% For Area weightage for Labour Total KSRB 15-15.1 : Providing and applying painting ir on wall surface to give an even approved shade a drops and other foreign matter including preparing materials, labour, complete as per specifications do- with primer PWD 18-19,SI No.15.51.2,Pg No.119 Basic Material Rate	to doors, windows, ventila Rate two coats with plastic emufter thoroughly brushing the	685 68.50 753.50 tors and cupboa 685.00 685 68.50 753.50 ulsion paint of and surface, free find paper smooth	Sqm rds. Sqm pproved brand rom mortar a, cost of		
	Sub Total Add 10% For Area weightage Total Repairing and fixing shutters (panelled or glazed) PWD 18-19,SI No.37.13,Pg No.267 Basic Material Rate Sub Total Add 10% For Area weightage for Labour Total KSRB 15-15.1 : Providing and applying painting ir on wall surface to give an even approved shade a drops and other foreign matter including preparing materials, labour, complete as per specifications do- with primer PWD 18-19,SI No.15.51.2,Pg No.119 Basic Material Rate Sub Total	to doors, windows, ventila Rate two coats with plastic emufter thoroughly brushing the	685 68.50 753.50 tors and cupboa 685.00 685 68.50 753.50 ulsion paint of all the surface, free find paper smooth	Sqm rds. Sqm pproved brand rom mortar and cost of		
	Sub Total Add 10% For Area weightage Total Repairing and fixing shutters (panelled or glazed) PWD 18-19,SI No.37.13,Pg No.267 Basic Material Rate Sub Total Add 10% For Area weightage for Labour Total KSRB 15-15.1 : Providing and applying painting ir on wall surface to give an even approved shade a drops and other foreign matter including preparing materials, labour, complete as per specifications do- with primer PWD 18-19,SI No.15.51.2,Pg No.119 Basic Material Rate	to doors, windows, ventila Rate two coats with plastic emufter thoroughly brushing the	685 68.50 753.50 tors and cupboa 685.00 685 68.50 753.50 ulsion paint of and surface, free find paper smooth	Sqm rds. Sqm pproved brand rom mortar a, cost of		

	Supplying and fixing new Mangalore tiles on existing reep	ers		
28	PWD 18-19,SI No.37.9,Pg No.267	.010.		
	Basic Rate	1	407.00	
	Sub Total		407.00	
		+	40.70	
	Add 10% For Area weightage Total Rate	Rate	447.70 S	am
	Total Rate	Rate	447.70 5	qm
	KCDD 0.4. Draviding and fixing Manageless tile resting weigh			aial tilaa far
29	KSRB 8.4: Providing and fixing Mangalore tile roofing using ridges and hips, wood reepers and pointed with cement materials, labour, curing complete as per specifications. wood reepers of size 50x25mm PWD 18-19,SI No.8.11	nortar 1:4 over the	existing rafters inc (BS 8.17KSRB 8.4	cluding cost of
	Basic Rate		814.00	
	Sub Total		814	
	Add 10% For Area weightage		81.40	
	Total Rate	Rate	895.40 S	qm
30	Removing and fixing old Mangalore ridge tiles including p PWD 18-19,SI No.37.10,Pg No.267	ointing with C.M. 1		
	Baisc rate		101.00	
	Sub Total		101	
	Add 10% For area weightage (Mangalore City)		10.10	
	Total Rate	Rate	111.10 R	mt
31	surface of all dirt, dust and foreign matter, including cost of specifications. PWD 18-19,SI No.15.71,Pg No.123	or materials, labour		
	Basic Rate		56.00	
	Sub Total		56	
	Add 10% For Area weightage		5.60	
	Total Rate	Rate	61.60 S	qm
32	KSRB 15-17.19:Applying additional one coat (excluding pand / or wood based surface with black japan paint to give dirt, dust and foreign matter, including cost of materials, la PWD 18-19,SI No.15.72,Pg No.123	e an even shade a	fter cleaning the su	urface of all
	Basic Rate		50.00	
	Sub Total		50	
	Add 10% For Area weightage		5.00	
	Total Rate	Rate	55.00 S	qm
33	Providing and laying non - asbestos high impact ployprop reinforced with Other colours and with a blend of strong far IS:9933:1995 (E) roofing upto any pitch and fixing with podia, G I plain and bitumen washers or with self drilling fast excluding the cost of purlins, refters and trusses. including wherever required. and cost of materials, labour, complet PWD 18-19,SI No.8.31.2,Pg No 51	actory made fibre a plymer coated J or l tener and EPDM w g cutting to size an	as per IS:14871 an L hooks, bolts and vashers ete. compl id shape of corruga ions.	nd nuts 8mm lete but
I			E00.00	
	Basic Rate		590.00	
	Sub Total		590.00	
	Sub Total Add 10% For Area weightage		590.00 59.00	
	Sub Total	Rate	590.00	qm

34	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparations by chipping and cleaning and Grouting of Honey comb, voids, cracks / construction joints cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper in concrete and spraying waterproofing impregnate liquid containing silane and silanel linear copole						
О Т	concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification PWD 18-19,SI No.10.5.1,Pg No 69						
	Basic Rate		526.00				
	Sub Total		526.00				
	Add 10% For Area weightage		52.60				
	Total Rate	Rate	578.60	Sqm			
35	thick fixed on bed of 12mm thick cement mortar for flooring, mixed with pigment to mach shade of tiles, including providi stains, including cost of all mateirals, mortar, labour, etc., C (KPWD 18-19,SI.No.14.45.1)	ng spacers at re	equired interval a	•			
	Basic Rate		1315.00				
	Sub Total		1315.00				
	Add 10% For Area weightage		131.50				
	Total Rate	Rate	1446.50	Sqm			
	KSRRB M300- Planting and Maintaining of Flowering Plants			•			
36	Maintaining of Flowering Plants and Shrubs - A) Planting flo MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149	willig plaints and		ai veige			
36	MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149 Basic Rate	willing plants and	46.00				
36	MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149 Basic Rate Sub Total	willing plants and	46.00				
36	MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149 Basic Rate Sub Total Add 10% For Area weightage		46.00 4.60				
36	MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149 Basic Rate Sub Total	Rate	46.00				
36	MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149 Basic Rate Sub Total Add 10% For Area weightage Total Rate Providing and laying heavy duty Tactile Tiles (Direction and Yellow in colour, using cement and course sand for manufaminimum compressive strength of 281 kg per sqm over 50m compacting with plate vibrator having 3 tons compaction for come up in between joints, final compaction of paver surface materials, labour and HOM of machineries complete as per (As Per EOI)	Rate Stop tiles-300 x acture of blocks nm thick sand b ce thereby forci e joints into its f	46.00 4.60 50.60 300 mm) 60mm of approved size ed (average thick ng part of sand u	Rmt thick and s, shape with a kness) and underneath to			
	MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149 Basic Rate Sub Total Add 10% For Area weightage Total Rate Providing and laying heavy duty Tactile Tiles (Direction and Yellow in colour, using cement and course sand for manufaminimum compressive strength of 281 kg per sqm over 50n compacting with plate vibrator having 3 tons compaction for come up in between joints, final compaction of paver surface materials, labour and HOM of machineries complete as per (As Per EOI) Rate Approved as per EOI by MD MSCL Mangalore, Refer Sr.No.12	Rate Stop tiles-300 x acture of blocks nm thick sand b ce thereby forci e joints into its f	46.00 4.60 50.60 300 mm) 60mm of approved size ed (average thick ng part of sand u inal level, includir	Rmt thick and s, shape with a kness) and inderneath to ng cost of			
	MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149 Basic Rate Sub Total Add 10% For Area weightage Total Rate Providing and laying heavy duty Tactile Tiles (Direction and Yellow in colour, using cement and course sand for manufaminimum compressive strength of 281 kg per sqm over 50n compacting with plate vibrator having 3 tons compaction for come up in between joints, final compaction of paver surface materials, labour and HOM of machineries complete as per (As Per EOI) Rate Approved as per EOI by MD MSCL Mangalore, Refer	Rate Stop tiles-300 x acture of blocks nm thick sand b ce thereby forci e joints into its f	46.00 4.60 50.60 300 mm) 60mm of approved size ed (average thick ng part of sand u inal level, includir	Rmt thick and s, shape with a kness) and inderneath to ng cost of			

MANGALURU SMART CITY

1.1 Grand Summary of E-Smart school - GUPS BOLAR AND URDU SCHOOL

Sr. No.	Description	Cost In INR
1	E-Smart School - GUPS Bolar & Urdu	
а	Building & Compound wall works	11,640,120
b	Electrical Works	442,954
С	Plumbing Works	288,470
d	External Development - Softscape & Hardscape	3,284,947
	Total Cost	15,656,491

Executive Engineer MSCL Mangaluru

G M Technical MSCL Mangaluru

MANGALURU SMART CITY 1.2 BOQ of E-Smart School - GUPS BOLAR AND URDU SCHOOL

Sr .No.	Description	Unit	Quantity	Rate	Amount
Α	Building & Compound wall works				
1	KSRRB M200-7.1. Clearing grass and removal of rubbish by manual means and stacking outside the periphery of the area cleaned complete as per specifications. MORTH Specification No. 201 PWD 18-19,Page No 138,SI No.18.10)	На	0.24	28330.50	6,904
2	KSRB 24-9 : Cleaning and washing of stone masonry wall surface with nitric acid including cost of materials, labour, complete as per specifications. Specification No.KBS 18-19, (Page No 130,SI No : 16.4)	Sqm	1264.80	5.50	6,956
3	Providing and construction laterite size stone masonary including cost and conveyance of all materials curing etc. complete as per specification.I.S.3620/1979 having compressive strength not less then 3.5N/mm2 for saturated dry samples.For super structure in CM 1:6 (Cement 45 kgs/M3) (KPWD 18-19,Page No 384,SI No : 42.5.3)	Cum	58.67	3730.10	218,845
4	KSRB 15.3.10 Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry and concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. PWD 18-19,SI No.15.19,Pg No 116	Sqm	505.92	300.30	151,928
5	KSRB 15-16.1: Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - do - with Primer PWD 18-19,SI No.15.53.2,Pg No 120	Sqm	2597.76	112.20	291,469
6	Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, complete as per specifications. (KPWD 18-19,SI No.15.103)	Sqm	372.93	374.00	139,476
7	KSRRB MS00-10 Painting new letter and figures of any shade with synthetic enamel paint black or any other approved colour to give an even shade complete as per specifications. ("ii) English and Roman - Hyphen and the like not to be measured and paid for" MORTH Specification No.801 (KSRRB 18-19,SI No.24.10)	Cm	1350.00	0.77	1,040
8	Cleaning RCC sump tanks and RCC overhead tanks with mechanical dewatering including removal of sludge, mud, dirt, algea etc and cleaning the wall surface of tanks using high pressure jet, vacuum cleaning and spraying anti bacterial treatment to the wall and ceiling surfaces and UV treatment, including removing of sludge etc, using suitable coconut broomstick, squeesers I wipers I rubber brushes, coir brushes, plastic buckets, mugs, dewatering using motor with portal arrangement, hose pipe etc., complete including all safety measures. (KPWD 18-19,SI No.10.7)	L	15000.00	0.39	5,775
9	KSRB 15-18.3: Providing and applying enamel metal paint one coat (excluding priming coat) on previously painted steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. PWD 18-19,SI No.15.75,Pg No 123	Sqm	23.40	67.10	1,570

Sr .No.	Description	Unit	Quantity	Rate	Amount
10	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 PWD 18-19,SI No.2.3,Pg No 6	Cum	1584.41	328.90	521,112
11	KSRB 4-1.6; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 ems. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2 PWD 18-19,SI No.4.6,Pg No 13	Cum	109.53	6490.00	710,850
12	KSRB 14.9-2: Providing and laying M-15 cement concrete flooring 60 mm thick with metallic concrete hardner topping, under layer of 45mm thick M-15 cernent concrete using broken granite metal of 20mm and down size and top layer of 15mm thick metallic cement hardner consisting of mix 1:2 (1 cement hardner mix: 2 granite metal 10mm nominal size) by volurne, with metalic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement= 1 part of metallic floor hardening compound of approved quality by wt), including finishing, cost of materials, labour, curing, complete as per specifications. Specification No. KBS 14.4 PWD 18-19,SI No.14.14	Sqm	275.00	797.50	219,313
13	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregates @0.47cum, with super plasticisers @ 3 liters conforming to IS 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedestrals, retaining walls, returnwalls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. PWD 18-19,SI No.4.10,Pg No 14	Cum	333.16	6817.80	2,271,418
14	Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete with all lead lifts and as per specifications and directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18	MT	24.99	77860.20	1,945,493
15	Providing and removing, centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications PWD 18-19,SI No.4.28,Pg No 16	Sqm	892.05	289.30	258,070
16	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses plinth cills and string courses cost of all materials, labour complete as per specifications. PWD 18-19,SI No.4.31,Pg No 16	Sqm	3556.64	397.10	1,412,342

Sr .No.	Description	Unit	Quantity	Rate	Amount
17	KSRRB M2200 - Providing Weep holes Providing weep holes in Brick masonry / Plain / Reinforced concrete abutment, wing wall / return wall with 100mm dia AC pipe , extending through the full width of the structure with slope of 1V:20H towards drawing force complete as per drawing and Technical specifications complete as per specifications. PWD 18-19,SI No.28.10,Pg No 229	Nos	20.00	161.70	3,234
18	KSRB 2-4: Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications. PWD 18-19,SI No.2.11,Pg No 7	Cum	905.62	132.00	119,541
19	Providing and fixing unplasticised PVC pipes with working pressure 10 kg/sq.cm with pipe fittings, clips, making good the floor, including cost of all materials, labour charges, HOM and testing complete as per specifications. KSRB 18-19,Pg No.77,SI No.11.56.2				
	do- with 110mm outer dia	Rmt	30.00	666.60	19,998
20	Providing & Fixing CI Grating (325 x 325mm) for road gully cover including fixing the cover and CM 1:3 Plastering 20mm thick to all exposed faces curing for 90 days with all lead including cost of plastering but excluding cost of concrete etc,completete (As Per EOI)	Each	10.00	893.00	8,930
21	KSRB 24-44: Repairs to plaster in patches of 2.5 sqm and less in walls, ceilings 10 to 20mm thick in cement mortar 1:4 including cutting the patches in proper shape and replastering the surface of the wall including disposal of rubbish with a lead of 50m including curing cost of materials, labour, complete as per specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133	Sqm	841.23	304.70	256,323
22	Providing and fixing Special make glazed Vitrified tiles (Granomite finish) of approved make, quality and colour of size 600x600x10mm thick fixed on existing flooring with a special roffe adhesive for flooring and skirting etc., complete including providing spears at required interval and removing stains etc., complete. (P.No. 109, I.No. 14.43 of SR 2018-19).	Sqm	497.90	1452.00	722,951
23	Providing and laying of teak wooden polished flooring of 12mm thick, high density timber of approved colour and design with end trims, transition, profiles, beading, 15mm thick felt, and 20 micron polyester film with 4mm thick foam underlay etc., (P.No.113, I.No.14.70 of PWD SR 2018-19)	Sqm	28.71	5280.00	151,589
24	KSRB 14.14-5: Providing Ceramic tiles of approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing, complete as per specifications for Ceramic Tiles of size 30x30cms 6mm thick. PWD 18-19,SI No.14.36.2,Pg No.107 and 108	Sqm	412.22	1332.10	549,118
25	Providing and laying pattern flooring for staircase treads and risers using the combination of 20mm thick ruby red granite @ 66%,20 mm thick grey granite @ 20%, 20mm thick, 20mm thick black granite 14%. The granite materials are laid on existing bed of CM 1:3 20mm thick pointed with colour pigment, including full rounding for nosing, flaming the ruby red granite for 50 mm wide curing etc., complete as per specification. (P.No. 109, I.No. 14.46 of PWD SR 2018-19)	Sqm	50.78	7914.50	401,898
26	Repairing door and window frames with available wood to the required size. PWD 18-19,SI No.37.12,Pg No 267	Sqm	101.50	753.50	76,480
27	Repairing and fixing shutters (panelled or glazed) to doors, windows, ventilators and cupboards. PWD 18-19,SI No.37.13,Pg No.267	Sqm	101.50	753.50	76,480

Sr .No.	Description	Unit	Quantity	Rate	Amount
28	KSRB 15-15.1: Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - do- with primer PWD 18-19,SI No.15.51.2,Pg No.119	Sqm	1998.62	99.00	197,864
29	Supplying and fixing new Mangalore tiles on existing reepers. PWD 18-19,SI No.37.9,Pg No.267	Sqm	679.50	447.70	304,212
30	KSRB 8.4: Providing and fixing Mangalore tile roofing using first class tiles with necessary special tiles for ridges and hips, wood reepers and pointed with cement mortar 1:4 over the existing rafters including cost of materials, labour, curing complete as per specifications. Specification No. KBS 8.17KSRB 8.4-2: do- Nandi wood reepers of size 50x25mm PWD 18-19,SI No.8.11	Sqm	453.00	895.40	405,616
31	Removing and fixing old Mangalore ridge tiles including pointing with C.M. 1:3. PWD 18-19,SI No.37.10,Pg No.267	Rmt	88.00	111.10	9,777
32	KSRB 15-17.19: Providing and applying painting one coat (excluding priming coat) on previously painted wood surface and / or wood based surface with black japan paint to give an even shade after cleaning the surface of all dirt, dust and foreign matter, including cost of materials, labour, complete as per specifications. PWD 18-19,SI No.15.71,Pg No.123	Sqm	167.95	61.60	10,346
33	KSRB 15-17.19:Applying additional one coat (excluding priming coat) on previously painted wood surface and / or wood based surface with black japan paint to give an even shade after cleaning the surface of all dirt, dust and foreign matter, including cost of materials, labour, complete as per specifications. PWD 18-19,SI No.15.72,Pg No.123	Sqm	167.95	55.00	9,237
34	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @ 0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification PWD 18-19,SI No.10.5.1,Pg No 69	Sqm	266.10	578.60	153,965
В	External Development - Softscape & Hardscape				
35	KSRRB M300- Planting and Maintaining of Flowering Plants and Shrubs KSRRB M300- 8.1. Planting and Maintaining of Flowering Plants and Shrubs - A) Planting flowring plants and shrubs in central verge MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149	Rmt	73.00	50.60	3,694
36	Providing and laying heavy duty Tactile Tiles (Direction and Stop tiles-300 x 300 mm) 60mm thick and Yellow in colour , using cement and course sand for manufacture of blocks of approved size, shape with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. (As Per EOI)	Sqm	111.00	912.00	101,232

Sr .No.	Description	Unit	Quantity	Rate	Amount
37	KSRRB M300-Turfing lawns with fine grassing including ploughing, dressing KSRRB M300-5. Turfing lawns with fine grassing including ploughing, dressing including breaking of clods, removal of rubbish, dressing and supplying doobs grass roots at 10 cm apart, including supplying and spreading of farm yard manure at rate of 0.6 cum per 100 sqm complete as per specifications. MORTH Specification No. 307 PWD SOR 18-19,SI No.19.82,Pg No149	Sqm	519.00	25.30	13,131
38	KSRRB M300- Maintenance of lawns with fine grassing for the first year KSRRB M300-6. Maintenance of lawns with fine grassing for the first year including watering etc complete as per specifications. MORTH Specification No. 307. PWD SOR 18-19,SI No.19.83,Pg No149	Sqm	519.00	101.20	52,523
39	Providing and laying artline grass pavers or equivqlent block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge. (Non SOR)	Sqm	435.00	2067.00	899,145
40	Providing and fixing Vitrified glazed tiles of approved make, quality & colour of size 900 x 900 x 12mm thick fixed on bed of 12mm thick cement mortar for flooring, skirting and JOinted with neat cement slurry mixed with pigment to mach shade of tiles, including providing spacers at required interval and removing stains, including cost of all mateirals, mortar, labour, etc., Complete as per specification. (KPWD 18-19,SI.No.14.45.1)	Sqm	335.00	1446.50	484,578
41	KSRB 2.9 : Spreading and forming the excavated earth to required level, slope for an average thickness of 75mm. in all classes of soils including breaking clods and tamping manually alround the building and low laying areas complete as per specifications.specification. No. KBS : (KSRB 18-19,Pg No.7,SI No.2.16)	Sqm	412.00	9.90	4,079
42	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete. do- of size 450 x 150 x 400 mm (KSRRB 18-19,Pg No.27,SI No.5.29.1)	Nos	504.00	514.80	259,459
43	1 Surface Preparation: Saw cutting further to construction and contol joints in floor to 10mm wide x 10mm deep as shear key, include surface preparation by mechanical means using Grinding machines with frequency control drive and planetry drive, equipped with a vaccum pipe for dust collection. where operating width should not be more than 400mm, power 5HP 3phase, voltage 220V/415V, Motor speed should be 700 RPM-900 RPM followed by Hand grinding machine for non approachable areas as directed in BS 8203: Code of practice for installation of resilient floor coverings,BS 8204 Parts 1, 3, 6 and 7 and FERFA followed by as required all in complete as per manufacturers and EIC. Work need to be done by flooring specialist only recommended by Flowcrete only. 2.Clean the surface thoroughly, fix the shear anchor with designed gap of construction and control joint.				

Sr .No.	Description	Unit	Quantity	Rate	Amount
	3. Supplying and Installing Versaspeed / Thin top Supreme/ Eucocrete of FLOWCRETE (USA) versatile, single-component, rapid-setting mortar for horizontal, and form and pour repair projects. Requiring only the addition of water and 25% -40% pea aggregates, where the compressive strength should be 58.6Mpa as per ASTM C 109, Flexural strength as per ASTM C 348 should be 6.2Mpa in 1 day, Linear shrinkage as per ASTM C157 should be -0.083%, chloride permeability should be 900 coulombs as per ASTM C 1202 along with along with TUF-STRAND SF "structural fibers" of FLOWCRETE are a patented polypropylene / polyethylene synthetic macro-fiber successfully used to replace steel fibers, welded wire mesh and conventional reinforcing bars in a wide variety of applications. TUF-STRAND SF fibers comply with ASTM C1116, Standard Specification for Fiber Reinforced Concrete and Shotcrete, and are specifically designed to provide equivalent tensile and bending resistance to conventional reinforcement requirements. Concrete reinforced with TUF-STRAND SF will have three-dimensional reinforcing with enhanced flexural toughness, impact and abrasion resistance and will also help mitigate the formation of plastic shrinkage cracking in concrete. Dosage rates will vary depending upon the reinforcing requirements and can range from 1.8 kg/m³ to 12 kg/m³. TUF-STRAND SF synthetic macro-fibers comply with applicable portions of the International Code Council (ICC)				
	Acceptance Criteria AC32 for synthetic fibers, are UL certified for composite metal deck construction and are recognized within ACI 360 and SDI/ANSI-C1.0 as a reinforcing alternate to WWF. Mixing and applying repair Mortar as per the manufacturer's recommendations within the open time of the bonding agents. Finish to level of surrounding concrete surface utilizing techniques recommended and finished with bull floater top of by manufacturer or as per the site Engineer. THICKNESS- 30MM (Market Rate)	Sqm	356.50	2600.00	926,900
44	Cutting 10mmX10mm joint where the joint a/b should not be more than 1.02, (As per TR34). followed by Providing and filling Decksheild putty/ EUCO700 all in complete as per manufacturer direction or EIC.(Market Rate)	Rmt	74.00	130.00	9,620
	To supply and apply Green Label certified Decksheild system, low VOC as per ISO11890-2 resulted in Very Low <20g/L, solvent free, flexible polyurethane park deck coating system providing a colourful watertight, hard- wearing surface for intermediate decks of multi-storey, basement and other trafficable suspended floors consisting of 3 component, solvent free, Polyurethane based primer/body coat/binding agent having solid content of approximately 100% which accepts silica aggregate scatter to produce an anti skid surface as well as 2 component, coloured, flexible polurethane coating having 100% solid contents to seal the aggregate layer where UV light staibility is not critical having chemical resistance property to Petrol, Diesel, Antifreeze, Hydraulic Fluids, Chlorides & Battery Acids etc. Technical profile having Fire resistance -BS476-3 Designated EXT.F.AA, Slip Resistance as per TRRL Pendulum Slip Test resulted in Dry>40. Wet>40 (Low Slip Potential), Abrasion Resiatance as per Taber Abrader resulted in 0.1 mg loss per 1000 cycles (1Kg Load using CS17 wheels). For exposed area UV stable 2 component Polyurethane based top coat having abrasion resistance as per Taber Abrader: 0.1g loss per 1000 cycles, 100% UV Light stable & prevents from yellowing effect, followed by as required all in complete as per manufacturers and EIC (Market Rate)	Sqm	356.50	1400.00	499,100
46	KSRB13-1.1: Providing and fixing to wall, ceiling and floor galvanised I mild steel tube nominal bore with fittings (medium grade weight 1.27 kglmtr) B class including cost of all materials, labour charges, HOM and testing complete as per specifications. Specification No.KBS 13.2.14 I 13.8 do- 40 mm dia (KSRB 18-19,Pg No.92,SI No.13.5)	Rmt	41.00	491.70	20,160

Sr .No.	Description	Unit	Quantity	Rate	Amount
47	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 (KSRB 18-19,SI No.24.15)	Sqm	24.00	471.90	11,326
	GRAND TOTAL				14,925,067

GST @12% on SOR & Non SOR GST @18% on Market 13,379,285 1,435,620 1605514 258412

Executive Engineer MSCL Mangaluru

G M Technical MSCL Mangaluru

MANGALURU SMART CITY

1.3 Measurement of E-SMART SCHOOL - GUPS BOLAR AND URDU SCHOOL

	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	KSRRB M200-7.1. Clearing grass and removal of rubbish by						
	manual means and stacking outside the periphery of the area						
1	cleaned complete as per specifications. MORTH Specification No.						
	201 PWD 18-19,Page No 138,SI No.18.10)						
	Total Area	Sqm	1	3756.00	Area		3756.00
	Ded	Sqm	-1	1319.00	Area		-1319.00
		Sqm		70.000			2437.00
		Ha					0.244
 	VODD 04 0 Observe and services of a transfer and a service of a service						
	KSRB 24-9: Cleaning and washing of stone masonry wall surface with nitric acid including cost of materials, labour, complete as per						
2	specifications. Specification No.KBS 18-19,						
	(Page No 130,SI No : 16.4)						
	Compound wall - Front side	Sqm	2	38.00		2.00	152.00
 	Right side Left side	Sqm	2	80.00 92.00		2.60	416.00
	Back side	Sqm Sqm	2	40.00		2.60 2.60	478.40 208.00
	Pillar	Sqm	2	2.60		2.00	10.40
		Sqm			Total		1264.80
	Providing and construction laterite size stone masonary including						
	cost and conveyance of all materials curing etc. complete as per specification.I.S.3620/1979 having compressive strength not less						
3	then 3.5N/mm2 for saturated dry samples.For super structure in						
	CM 1:6 (Cement 45 kgs/M3)						
	(KPWD 18-19,Page No 384,SI No : 42.5.3)						
							
 	Compound wall - Front side	Cum	1	15.20	0.23	2.00	6.99
	Right side Left side	Cum Cum	1	32.00 36.80	0.23 0.23	2.60 2.60	19.14 22.01
	Back side	Cum	1	16.00	0.23	2.60	9.57
	Pillar	Cum	2	1.04	0.23	2.00	0.96
	Total Quantity	Cum			Total		58.67
 	VODD 45 0 40 Decidio 200 central decidio decidio decidio decidio del control del control de control						
	KSRB 15.3.10 Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry and concrete surface						
	including rounding off corners wherever required smooth						
4	rendering, : Providing and removing scaffolding, including cost of						
1	materials, labour, curing complete as per specifications.						
	PWD 18-19,SI No.15.19,Pg No 116						
	PWD 18-19,SI No.15.19,Pg No 116	Sam	2	15 20		2.00	60.80
	PWD 18-19,SI No.15.19,Pg No 116 Compound wall - Front side	Sqm	2	15.20		2.00	60.80
	PWD 18-19,SI No.15.19,Pg No 116 Compound wall - Front side Right side	Sqm	2	32.00		2.60	166.40
	PWD 18-19,SI No.15.19,Pg No 116 Compound wall - Front side Right side Left side	Sqm Sqm	2 2	32.00 36.80		2.60 2.60	166.40 191.36
	PWD 18-19,SI No.15.19,Pg No 116 Compound wall - Front side Right side Left side Back side	Sqm Sqm Sqm	2 2 2	32.00 36.80 16.00		2.60 2.60 2.60	166.40 191.36 83.20
	PWD 18-19,SI No.15.19,Pg No 116 Compound wall - Front side Right side Left side Back side Pillar	Sqm Sqm Sqm Sqm	2 2	32.00 36.80	Tatal	2.60 2.60	166.40 191.36 83.20 4.16
	PWD 18-19,SI No.15.19,Pg No 116 Compound wall - Front side Right side Left side Back side	Sqm Sqm Sqm	2 2 2	32.00 36.80 16.00	Total	2.60 2.60 2.60	166.40 191.36 83.20 4.16
	PWD 18-19,SI No.15.19,Pg No 116 Compound wall - Front side Right side Left side Back side Pillar	Sqm Sqm Sqm Sqm	2 2 2	32.00 36.80 16.00	Total	2.60 2.60 2.60	166.40 191.36 83.20 4.16
	PWD 18-19,SI No.15.19,Pg No 116 Compound wall - Front side Right side Left side Back side Pillar	Sqm Sqm Sqm Sqm	2 2 2	32.00 36.80 16.00	Total	2.60 2.60 2.60	166.40 191.36 83.20 4.16
	PWD 18-19,SI No.15.19,Pg No 116 Compound wall - Front side Right side Left side Back side Pillar Total Quantity KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to	Sqm Sqm Sqm Sqm	2 2 2	32.00 36.80 16.00	Total	2.60 2.60 2.60	166.40 191.36 83.20 4.16
	PWD 18-19,SI No.15.19,Pg No 116 Compound wall - Front side Right side Left side Back side Pillar Total Quantity KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to	Sqm Sqm Sqm Sqm	2 2 2	32.00 36.80 16.00	Total	2.60 2.60 2.60	166.40 191.36 83.20 4.16
5	PWD 18-19,SI No.15.19,Pg No 116 Compound wall - Front side Right side Left side Back side Pillar Total Quantity KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar	Sqm Sqm Sqm Sqm	2 2 2	32.00 36.80 16.00	Total	2.60 2.60 2.60	166.40 191.36 83.20 4.16
5	PWD 18-19,SI No.15.19,Pg No 116 Compound wall - Front side Right side Left side Back side Pillar Total Quantity KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to	Sqm Sqm Sqm Sqm	2 2 2	32.00 36.80 16.00	Total	2.60 2.60 2.60	166.40 191.36 83.20 4.16
5	PWD 18-19,SI No.15.19,Pg No 116 Compound wall - Front side Right side Left side Back side Pillar Total Quantity KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete	Sqm Sqm Sqm Sqm	2 2 2	32.00 36.80 16.00	Total	2.60 2.60 2.60	166.40 191.36 83.20 4.16
5	PWD 18-19,SI No.15.19,Pg No 116 Compound wall - Front side Right side Left side Back side Pillar Total Quantity KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications do - with Primer PWD 18-19,SI No.15.53.2,Pg No 120	Sqm Sqm Sqm Sqm	2 2 2 2	32.00 36.80 16.00 1.04	Total	2.60 2.60 2.00	166.40 191.36 83.20 4.16 505.92
5	PWD 18-19,SI No.15.19,Pg No 116 Compound wall - Front side Right side Left side Back side Pillar Total Quantity KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - do - with Primer PWD 18-19,SI No.15.53.2,Pg No 120 Compound wall - Front side	Sqm Sqm Sqm Sqm	2 2 2 2	32.00 36.80 16.00 1.04	Total	2.60 2.60 2.00 2.00	166.40 191.36 83.20 4.16 505.92
5	PWD 18-19,SI No.15.19,Pg No 116 Compound wall - Front side Right side Left side Back side Pillar Total Quantity KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - do - with Primer PWD 18-19,SI No.15.53.2,Pg No 120 Compound wall - Front side Right side	Sqm Sqm Sqm Sqm Sqm	2 2 2 2	32.00 36.80 16.00 1.04	Total	2.60 2.60 2.00 2.00	166.40 191.36 83.20 4.16 505.92 152.00 416.00
5	PWD 18-19,SI No.15.19,Pg No 116 Compound wall - Front side Right side Left side Back side Pillar Total Quantity KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications do - with Primer PWD 18-19,SI No.15.53.2,Pg No 120 Compound wall - Front side Right side Left side	Sqm Sqm Sqm Sqm Sqm	2 2 2 2 2	32.00 36.80 16.00 1.04 38.00 80.00 92.00	Total	2.60 2.60 2.00 2.00 2.00 2.60 2.60 2.60	166.40 191.36 83.20 4.16 505.92 152.00 416.00 478.40
5	PWD 18-19,SI No.15.19,Pg No 116 Compound wall - Front side Right side Left side Back side Pillar Total Quantity KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - do - with Primer PWD 18-19,SI No.15.53.2,Pg No 120 Compound wall - Front side Right side	Sqm Sqm Sqm Sqm Sqm	2 2 2 2	32.00 36.80 16.00 1.04	Total	2.60 2.60 2.00 2.00	166.40 191.36 83.20 4.16 505.92 152.00 416.00
5	PWD 18-19,SI No.15.19,Pg No 116 Compound wall - Front side Right side Left side Back side Pillar Total Quantity KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - do - with Primer PWD 18-19,SI No.15.53.2,Pg No 120 Compound wall - Front side Right side Left side Back side Pillar Block 1	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	2 2 2 2 2 2 2 2 2 2 2 2	32.00 36.80 16.00 1.04 38.00 80.00 92.00 40.00 2.60	Total	2.60 2.60 2.00 2.00 2.00 2.60 2.60 2.60	166.40 191.36 83.20 4.16 505.92 152.00 416.00 478.40 208.00 10.40
5	PWD 18-19,SI No.15.19,Pg No 116 Compound wall - Front side Right side Left side Back side Pillar Total Quantity KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - do - with Primer PWD 18-19,SI No.15.53.2,Pg No 120 Compound wall - Front side Right side Left side Back side Pillar Block 1 Outside Building	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	2 2 2 2 2 2 2 2 2 2 2 2	32.00 36.80 16.00 1.04 38.00 80.00 92.00 40.00 2.60	Total	2.60 2.60 2.00 2.00 2.00 2.60 2.60 2.00 3.45	152.00 416.00 478.40 208.00 105.57
5	PWD 18-19,SI No.15.19,Pg No 116 Compound wall - Front side Right side Left side Back side Pillar Total Quantity KSRB 15-16.1: Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - do - with Primer PWD 18-19,SI No.15.53.2,Pg No 120 Compound wall - Front side Right side Left side Back side Pillar Block 1 Outside Building Toilet	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	2 2 2 2 2 2 2 2 2 2 2 2	32.00 36.80 16.00 1.04 38.00 80.00 92.00 40.00 2.60	Total	2.60 2.60 2.00 2.00 2.00 2.60 2.60 2.60	166.40 191.36 83.20 4.16 505.92 152.00 416.00 478.40 208.00 10.40
5	PWD 18-19,SI No.15.19,Pg No 116 Compound wall - Front side Right side Left side Back side Pillar Total Quantity KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - do - with Primer PWD 18-19,SI No.15.53.2,Pg No 120 Compound wall - Front side Right side Left side Back side Pillar Block 1 Outside Building Toilet Deduction	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	2 2 2 2 2 2 2 2 2 2 2 2 1 1	32.00 36.80 16.00 1.04 38.00 80.00 92.00 40.00 2.60 30.60 6.92	Total	2.60 2.60 2.00 2.00 2.00 2.60 2.60 2.60	152.00 416.00 478.40 208.00 105.57 19.03
5	PWD 18-19,SI No.15.19,Pg No 116 Compound wall - Front side Right side Left side Back side Pillar Total Quantity KSRB 15-16.1: Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - do - with Primer PWD 18-19,SI No.15.53.2,Pg No 120 Compound wall - Front side Right side Left side Back side Pillar Block 1 Outside Building Toilet	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	2 2 2 2 2 2 2 2 2 2 2 1 1	32.00 36.80 16.00 1.04 38.00 80.00 92.00 40.00 2.60	Total	2.60 2.60 2.00 2.00 2.00 2.60 2.60 2.60	166.40 191.36 83.20 4.16 505.92 152.00 416.00 478.40 208.00 10.40 105.57 19.03
5	PWD 18-19,SI No.15.19,Pg No 116 Compound wall - Front side Right side Left side Back side Pillar Total Quantity KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - do - with Primer PWD 18-19,SI No.15.53.2,Pg No 120 Compound wall - Front side Right side Left side Back side Pillar Block 1 Outside Building Toilet Deduction Door-D Window-W Chejja	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	2 2 2 2 2 2 2 2 2 2 2 2 1 1	32.00 36.80 16.00 1.04 38.00 80.00 92.00 40.00 2.60 30.60 6.92 1.20 1.50	Total	2.60 2.60 2.00 2.00 2.00 2.60 2.60 2.60	166.40 191.36 83.20 4.16 505.92 152.00 416.00 478.40 208.00 10.40 105.57 19.03
5	PWD 18-19,SI No.15.19,Pg No 116 Compound wall - Front side Right side Left side Back side Pillar Total Quantity KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - do - with Primer PWD 18-19,SI No.15.53.2,Pg No 120 Compound wall - Front side Right side Left side Back side Pillar Block 1 Outside Building Toilet Deduction Door-D Window-W Chejja Window-W Chejja	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	2 2 2 2 2 2 2 2 2 2 2 1 1	32.00 36.80 16.00 1.04 38.00 80.00 92.00 40.00 2.60 30.60 6.92	Total	2.60 2.60 2.00 2.00 2.00 2.60 2.60 2.60	166.40 191.36 83.20 4.16 505.92 152.00 416.00 478.40 208.00
5	PWD 18-19,SI No.15.19,Pg No 116 Compound wall - Front side Right side Left side Back side Pillar Total Quantity KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - do - with Primer PWD 18-19,SI No.15.53.2,Pg No 120 Compound wall - Front side Right side Left side Back side Pillar Block 1 Outside Building Toilet Deduction Door-D Window-W Chejja	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	2 2 2 2 2 2 2 2 2 2 2 1 1 1	32.00 36.80 16.00 1.04 38.00 80.00 92.00 40.00 2.60 30.60 6.92 1.20 1.50	Total	2.60 2.60 2.00 2.00 2.00 2.60 2.60 2.60	166.40 191.36 83.20 4.16 505.92 152.00 416.00 478.40 208.00 10.40 105.57 19.03

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	Door-D	Sqm	-5	1.13		2.03	-11.47
	Door-D1	Sqm	-2	1.03		2.20	-4.53
	Door-D2	Sqm	-7	1.19		2.20	-18.33
	Door-D4 Window-W	Sqm Sqm	-2 -7	0.76 0.95		2.10 1.40	-3.19 -9.31
	Window-VV	Sqm	-8	1.22		1.40	-18.74
	Window-W3	Sqm	-1	0.90		1.50	-1.35
	Window-W4	Sqm	-7	1.17		1.50	-12.29
	Window-W5	Sqm	-3	0.93		1.52	-4.24
	Ramp	Sqm	2	1.30		0.23	0.59
	Circular Column	Sqm	1	1.57		3.50	5.50
	Column C1	Sqm	2	1.46		2.20	6.42
	Block 3 Outside wall	0		40.00		5.05	
		Sqm	1	43.08		5.05	217.55
	Ramp Side	Sqm	2	1.40		0.23	0.64
	Ded			1.00		0.10	
	Door-D	Sqm	-5	1.20		2.10	-12.60
	Window-W	Sqm	-9	1.20		1.50	-16.20
	Block 5						
	Outside Building-GF	Sqm	1	23.75		3.30	78.38
	Ded						
	Door-D	Sqm	-2	1.20		2.10	-5.04
	Window-W	Sqm	-5	1.20		1.30	-7.80
	Window-W1	Sqm	-1	1.00		1.30	-1.30
	Window-W2	Sqm	-1	1.35		1.30	-1.76
	Outside Building-FF	Sqm	1	46.50		3.00	139.50
	Ded						
	Door-D	Sqm	-3	1.20		2.10	-7.56
	Window-W3	Sqm	-7	1.20		1.20	-10.08
	Ventilator V	Sqm	-2	0.50		0.30	-0.30
	Parapet wall	Sqm	2	16.50		0.75	24.75
	Column	Sqm	5	0.47		3.00	7.07
	Ceiling - FF	Sqm	1	23.00	Area		23.00
	Block 8						
	Outside wall	Sqm	1	15.35		3.45	52.96
	Ded						
	Door	Sqm	-1	1.20		2.10	-2.52
	Window	Sqm	-1	1.50		1.20	-1.80
		Sqm			Total		2597.76
	Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation,						
6	loading and unloading, all lead and lift and all other incidental						
	charges including scaffolding and removing stains, complete as						
	per specifications.						
	(KPWD 18-19,SI No.15.103)						
	Compound wall - Front side	Sqm	1	38.00		2.00	76.00
	B1 Block	Sqm	1	20.76	-	1.20	24.91
	B2 Block B3 Block	Sqm Sqm	1	160.40 43.08	+	1.20 1.20	192.48 51.70
	B5 Block	Sqm	1	19.00		1.20	22.80
	B8 Block	Sqm	1	4.20		1.20	5.04
		Sqm			Total		372.93
	KSRRB MS00-10 Painting new letter and figures of any shade						
	with synthetic enamel paint black or any other approved colour to						
	give an even shade complete as per specifications. ("ii) English						
7	and Roman - Hyphen and the like not to be measured and paid for"						
	MORTH Specification No.801						
	(KSRRB 18-19,SI No.24.10)						
	Total Qty-Name Plate,Signages & School Entrance signages on		-		 		
	wall	Cm	27	50.00			1350.00
		Cm			Total		1350.00
		-					

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
8	Cleaning RCC sump tanks and RCC overhead tanks with mechanical dewatering including removal of sludge, mud, dirt, algea etc and cleaning the wall surface of tanks using high pressure jet, vacuum cleaning and spraying anti bacterial treatment to the wall and ceiling surfaces and UV treatment, including removing of sludge etc, using suitable coconut broomstick, squeesers I wipers I rubber brushes, coir brushes, plastic buckets, mugs, dewatering using motor with portal arrangement, hose pipe etc., complete including all safety measures. (KPWD 18-19,SI No.10.7)						
	Total Qty	L	15000				15000.00
		L			Total		15000.00
9	KSRB 15-18.3 : Providing and applying enamel metal paint one coat (excluding priming coat) on previously painted steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. PWD 18-19,SI No.15.75,Pg No 123						
	Entrance Gate	Sqm	1	4.20		2.00	8.40
	Staircase Hand rail	Sqm Sqm	1	15.00	Total	1.00	15.00 23.40
		Jyili			IUIAI		23.40
10	KSRB 2-2.1: Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 PWD 18-19,SI No.2.3,Pg No 6						
	Block 1	Cum	1	37.52	0.30	0.45	5.07
	Football Ground	Cum	1	330.00	Area	0.10	33.00
	Block 2	Cum	1	160.40	0.30	0.45	21.65
	Block 3 Block 5	Cum Cum	1	43.08 23.75	0.30	0.45 0.45	5.82 3.21
	Block 8	Cum	1	15.35	0.30	0.45	2.07
	Entrance Pathway	Cum	1	133.00	2.07	0.70	192.50
	RCC Covered Drain			00.50			10.70
	SWD - 0.45m Clear Width SWD - 0.60m Clear Width	Cum Cum	1	39.50 707.15	0.95 1.10	1.30 1.61	48.78 1248.46
	SWD Chamber	Cum	10	0.70	0.70	0.50	2.45
	UPVC Pipe	Cum	1	30.00	0.75	0.95	21.40
		Cum			Total		1584.41
11	KSRB 4-1.6; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 ems. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2 PWD 18-19,SI No.4.6,Pg No 13						
	RCC Covered Drain						
	PCC for Raft SWD - 0.45m Clear Width	Cum	1	39.50	0.95	0.10	3.75
	SWD - 0.45m Clear Width	Cum	1	707.15	1.10	0.10	77.79
	SWD Chamber	Cum	10	0.70	0.70	0.10	0.49
-	Entrance Pathway	Cum	1	133.00	2.07 Total	0.10	27.50 109.53
					iotai		109.53
12	KSRB 14.9-2: Providing and laying M-15 cement concrete flooring 60 mm thick with metallic concrete hardner topping, under layer of 45mm thick M-15 cernent concrete using broken granite metal of 20mm and down size and top layer of 15mm thick metallic cement hardner consisting of mix 1:2 (1 cement hardner mix: 2 granite metal 10mm nominal size) by volurne, with metalic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement= 1 part of metallic floor hardening compound of approved quality by wt), including finishing, cost of materials, labour, curing, complete as per specifications. Specification No. KBS 14.4 PWD 18-19,SI No.14.14						

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	M15 Cement Concrete flooring for Entrance area	Sqm	1	133.00	2.07		275.00
	The Committee Hooming to Enhance and	Sqm		100.00	Total		275.00
	Providing and laying in position reinforced cement concrete of						
	design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum						
	and fine aggregates @ 0.47cum, with super plasticisers @ 3 liters						
	conforming to IS 9103-1999 reafirmed-2008 at machine mixed,						
	concrete laid in layers not exceeding 15 cms thick, vibrated for all						
13	works in foundation for footings, pedestrals, retaining walls,						
13	returnwalls, walls (any thickness) including attached pilasters,						
	columnspillars, posts, struts, buttresses, bed blocks, anchor						
	blocks & plinths etc including cost of all materials, labour, HOM of						
	machinery, curing, complete but excluding cost of reinforcement						
	as per specifications. PWD 18-19,SI No.4.10,Pg No 14						
	FVVD 16-19,51 No.4.10,Fg No 14						
	RCC Covered Drain						
	Raft						
	SWD - 0.45m Clear Width	Cum	1	39.50	0.65	0.15	3.85
	SWD - 0.60m Clear Width SWD Chamber	Cum Cum	10	707.15 0.50	0.80 0.50	0.15 0.10	84.86 0.25
	Side wall	Cuiii	10	0.50	0.50	0.10	0.23
	SWD - 0.45m Clear Width	Cum	2	39.50	0.10	0.9	7.11
	SWD - 0.60m Clear Width	Cum	2	707.15	0.10	1.21	170.42
	SWD Chamber	Cum	10	1.20	0.10	0.30	0.36
	Covered Slab						
	SWD - 0.45m Clear Width	Cum	1	39.50	0.45	0.15	2.67
	SWD - 0.60m Clear Width	Cum	1	707.15	0.60	0.15	63.64
		Cum					333.16
	Providing TMT steel reinforcement for R.C.C work including						
	straightening, cutting, bending, hooking, placing in position,						
	lapping and / or welding wherever required, tying with binding wire						
	and anchoring to the adjoining members wherever necessary						
14	complete as per design (laps and wastage shall not be measured				Kg/Cum		
	and paid) cost of materials, labour, HOM of machinery complete						
	with all lead lifts and as per specifications and directinon of Engineer-in-Charge. FE 500						
	PWD 18-19,SI No.4.46.2,Pg No 18						
	1 VB 10 10,0110.4.40.2,1 g110 10						
	RCC Covered Drain						
	Raft	Kg	1	88.96	75		6672.00
	Side wall Covered Slab	Kg Kg	1	177.89 66.31	75 75		13341.75 4973.25
	Covered Slab	Kg Kg	'	00.51	75		24987.00
		MT					24.99
	Providing and removing, centering, shuttering, strutting, propping						
15	etc., and removal of form work for foundations, footings, bases of						
15	columns for mass concrete including cost of all materials, labour complete as per specifications						
	PWD 18-19,SI No.4.28,Pg No 16						
	RCC Covered Drain						
	Raft side						
	SWD - 0.45m Clear Width	Sqm	2	39.50		0.15	11.85
	SWD - 0.60m Clear Width	Sqm	2	707.15		0.15	212.14
	SWD Chamber	Sqm	10	2.00		0.10	2.00
	RCC Covered Drain		1			+	
	Slab Bottom SWD - 0.45m Clear Width	Cam	1	20.50	0.45		17 70
		Sqm Sqm	1	39.50 707.15	0.45 0.60		17.78 424.29
	15WH - U bum Clear Wildin	oqiii	- '-	707.10	0.00		74.23
	SWD - 0.60m Clear Width Slab side						
	SWD - 0.50m Clear Width Slab side SWD - 0.45m Clear Width	Sqm	2	39.50		0.15	11.85
	Slab side	Sqm Sqm	2 2	39.50 707.15		0.15 0.15	11.85 212.14
	Slab side SWD - 0.45m Clear Width						
	Slab side SWD - 0.45m Clear Width SWD - 0.60m Clear Width	Sqm					212.14
	Slab side SWD - 0.45m Clear Width SWD - 0.60m Clear Width Providing and removing centering, shuttering, strutting, propping	Sqm					212.14
10	Slab side SWD - 0.45m Clear Width SWD - 0.60m Clear Width Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls	Sqm					212.14
16	Slab side SWD - 0.45m Clear Width SWD - 0.60m Clear Width Providing and removing centering, shuttering, strutting, propping	Sqm					212.14
16	Slab side SWD - 0.45m Clear Width SWD - 0.60m Clear Width Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses plinth	Sqm					212.14
16	Slab side SWD - 0.45m Clear Width SWD - 0.60m Clear Width Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses plinth cills and string courses cost of all materials, labour complete as per specifications. PWD 18-19,SI No.4.31,Pg No 16	Sqm					212.14
16	Slab side SWD - 0.45m Clear Width SWD - 0.60m Clear Width Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses plinth cills and string courses cost of all materials, labour complete as per specifications. PWD 18-19,SI No.4.31,Pq No 16 RCC Covered Drain	Sqm					212.14
16	Slab side SWD - 0.45m Clear Width SWD - 0.60m Clear Width Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses plinth cills and string courses cost of all materials, labour complete as per specifications. PWD 18-19,SI No.4.31,Pq No 16 RCC Covered Drain Wall side	Sqm Sqm	2	707.15		0.15	212.14 892.05
16	Slab side SWD - 0.45m Clear Width SWD - 0.60m Clear Width Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses plinth cills and string courses cost of all materials, labour complete as per specifications. PWD 18-19,SI No.4.31,Pq No 16 RCC Covered Drain Wall side SWD - 0.45m Clear Width	Sqm Sqm	2	707.15		0.15	212.14 892.05
16	Slab side SWD - 0.45m Clear Width SWD - 0.60m Clear Width Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses plinth cills and string courses cost of all materials, labour complete as per specifications. PWD 18-19,SI No.4.31,Pg No 16 RCC Covered Drain Wall side SWD - 0.45m Clear Width SWD - 0.60m Clear Width	Sqm Sqm Sqm Sqm	4 4	707.15 39.50 707.15		0.15 0.9 1.205	212.14 892.05 142.20 3408.44
16	Slab side SWD - 0.45m Clear Width SWD - 0.60m Clear Width Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses plinth cills and string courses cost of all materials, labour complete as per specifications. PWD 18-19,SI No.4.31,Pq No 16 RCC Covered Drain Wall side SWD - 0.45m Clear Width	Sqm Sqm	2	707.15		0.15	212.14 892.05

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
17	KSRRB M2200 - Providing Weep holes Providing weep holes in Brick masonry / Plain / Reinforced concrete abutment, wing wall / return wall with 100mm dia AC pipe, extending through the full width of the structure with slope of 1V:20H towards drawing force						
17	complete as per drawing and Technical specifications complete as per specifications.						
	PWD 18-19.SI No.28.10.Pg No 229 RCC Covered Drain						
	SWD Chamber	Nos	20.00				20.00
		Nos					20.00
18	KSRB 2-4: Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications. PWD 18-19,SI No.2.11,Pg No 7						
	RCC Covered Drain Total Excavated Qty	Cum	1				1321.09
	PCC Qty	Cum	-1				-82.03
	RCC Qty	Cum	-1				-333.16
	UPVC Pipe 110mm Dia	Cum Cum	-1	30.00	0.01		-0.28 905.62
		Ouiii					303.02
19	Providing and fixing unplasticised PVC pipes with working pressure 10 kg/sq.cm with pipe fittings, clips, making good the floor, including cost of all materials, labour charges, HOM and testing complete as per specifications. KSRB 18-19,Pg No.77,SI No.11.56.2						
	do- with 110mm outer dia						
	RCC Covered Drain	Rmt	1.00	30.00			30.00
		Rmt					30.00
20	Providing & Fixing CI Grating (325 x 325mm) for road gully cover including fixing the cover and CM 1:3 Plastering 20mm thick to all exposed faces curing for 90 days with all lead including cost of plastering but excluding cost of concrete etc,completete (As Per EOI)						
	(Not circol)						
	SWD Chamber	Each Each	10.00				10.00 10.00
		Lacii					10.00
21	KSRB 24-44: Repairs to plaster in patches of 2.5 sqm and less in walls, ceilings 10 to 20mm thick in cement mortar 1:4 including cutting the patches in proper shape and replastering the surface of the wall including disposal of rubbish with a lead of 50m including curing cost of materials, labour, complete as per specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133						
	Block 1						
	Outside wall	Sqm	1	30.60		3.45	105.57
	Toilet Building Block 2	Sqm	1	6.92		2.75	19.03
	Outside wall	Sqm	1	160.40		5.03	806.01
	Block 3	Cam	1	42.00		F 0F	047.55
	Outside wall Ramp Side	Sqm Sqm	2	43.08 1.40		5.05 0.23	217.55 0.64
	Block 8	- 4				0.00	
	Outside wall	Sqm	1	15.35	T . 4. 5	3.45	52.96
	Total 70% Quantity	Sqm Sqm	1		Total Total		1201.76 841.23
	Total 1070 additity	- Oq			- Total		011120
22	Providing and fixing Special make glazed Vitrified tiles (Granomite finish) of approved make, quality and colour of size 600x600x10mm thick fixed on existing flooring with a special roffe adhesive for flooring and skirting etc., complete including providing spears at required interval and removing stains etc., complete. (P.No. 109, I.No. 14.43 of SR 2018-19).						
	Block 2				2.25		0
	Staff Room Skirting	Sqm Sqm	1	5.50 23.40	6.20	0.15	34.10 3.51
	Block 1	•				0.10	
	Anganavadi Class Room	Sqm	1	5.14	7.01	0.45	36.03
	Skirting Block 2	Sqm		24.30		0.15	3.65
	Corridor	Sqm	1	4.75	1.10		5.23

	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	Skirting	Sqm	1	4.75		0.15	0.7
	Corridor	Sqm	1	50.50	1.60		80.8
	Skirting	Sqm	1	50.50		0.15	7.5
	Corridor	Sqm	1	10.50	2.70		28.3
	Skirting	Sqm	1	10.50		0.15	1.5
	Class Room	Sqm	1	5.90	5.80		34.2
	Skirting	Sqm	1	23.40		0.15	3.5
	Class Room	Sqm	1	24.50	3.00		73.5
	Skirting	Sqm	1	55.00		0.15	8.2
	Block 3	•					
	Class Room	Sqm	1	15.25	5.60		85.4
	Skirting	Sqm	1	41.70		0.15	6.2
	Corridor	Sqm	1	16.00	1.84	00	29.4
	Skirting	Sqm	1	16.00		0.15	2.4
	Block 5	Oqiii		10.00		0.10	2.
	Corridor-GF	Sqm	1	7.70	1.60		12.
	Comaci Ci	Sqm	1	11.10	0.90		9.9
	Skirting	Sqm	1	18.80	0.50	0.15	2.
	Corridor-FF	Sqm	1	23.00	Area	0.13	23.
		Sqm	1	35.00	Alea	0.15	5.
	Skirting		1	35.00	T-4-1	0.15	
	Total Qty	Sqm			Total		497.
23	Providing and laying of teak wooden polished flooring of 12mm thick, high density timber of approved colour and design with end trims, transition, profiles, beading, 15mm thick felt, and 20 micron polyester film with 4mm thick foam underlay etc., (P.No.113, I.No.14.70 of PWD SR 2018-19)						
	Block 2						
	Head Miss Chamber	Sqm	1	4.50	5.70		25.
	Skirting	Sqm	1	20.40	0.70	0.15	3.
	Total Qty	Sqm	<u>'</u>	20.70	Total	5.15	28.
	rotal aty	oqiii		+	iolai		20.
24	cement using colour pigment , including cost of materials, labour, curing, complete as per specifications for Ceramic Tiles of size 30x30cms 6mm thick. PWD 18-19,SI No.14.36.2,Pg No.107 and 108						
	Block 1			†			
				- 4 4	2.00		40
		Sam	1 1	5 14			10
	Store Room	Sqm	1	5.14	2.00	0.15	
	Store Room Skirting	Sqm	1	14.28		0.15	2.
	Store Room Skirting Toilet	Sqm Sqm	1	14.28 2.00	2.00		2. 4.
	Store Room Skirting Toilet Dadooing	Sqm	1	14.28		0.15	2. 4.
	Store Room Skirting Toilet Dadooing Ded	Sqm Sqm Sqm	1 1 2	14.28 2.00 4.00		1.80	2. 4. 14.
	Store Room Skirting Toilet Dadooing Ded Door-D	Sqm Sqm	1	14.28 2.00			2. 4. 14.
	Store Room Skirting Toilet Dadooing Ded Door-D Block 2	Sqm Sqm Sqm	1 1 2	14.28 2.00 4.00		1.80	2. 4. 14.
	Store Room Skirting Toilet Dadooing Ded Door-D Block 2 Hall	Sqm Sqm Sqm Sqm	1 1 2	14.28 2.00 4.00 1.20 5.50		1.80	2. 4. 14.
	Store Room Skirting Toilet Dadooing Ded Door-D Block 2 Hall Skirting	Sqm Sqm Sqm Sqm Sqm	1 1 2 -1 1 1	14.28 2.00 4.00 1.20 5.50 38.20	2.00	1.80	2. 4. 14. -2. 74. 5.
	Store Room Skirting Toilet Dadooing Ded Door-D Block 2 Hall	Sqm Sqm Sqm Sqm	1 1 2 -1	14.28 2.00 4.00 1.20 5.50	2.00	1.80	2. 4. 14. -2. 74. 5. 24.
	Store Room Skirting Toilet Dadooing Ded Door-D Block 2 Hall Skirting	Sqm Sqm Sqm Sqm Sqm	1 1 2 -1 1 1	14.28 2.00 4.00 1.20 5.50 38.20	2.00	1.80	2. 4. 14. -2. 74. 5. 24.
	Store Room Skirting Toilet Dadooing Ded Door-D Block 2 Hall Skirting Stage Skirting	Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 2 -1 1 1	14.28 2.00 4.00 1.20 5.50 38.20 5.50	2.00	1.80 2.10 0.15	2. 4. 14. -2. 74. 5. 24.
	Store Room Skirting Toilet Dadooing Ded Door-D Block 2 Hall Skirting Stage Skirting Skirting Skirting	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 2 -1 1 1 1	14.28 2.00 4.00 1.20 5.50 38.20 5.50 14.30 3.10	2.00 13.60 4.40	1.80 2.10 0.15	2. 4. 14. -2. 74. 5. 24. 2.
	Store Room Skirting Toilet Dadooing Ded Door-D Block 2 Hall Skirting Stage Skirting Skirting Skirting Hall	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 2 -1 1 1 1 1	14.28 2.00 4.00 1.20 5.50 38.20 5.50 14.30 3.10 8.81	2.00	1.80 2.10 0.15 0.15 0.65	2. 4. 14. -2. 74. 5. 24. 2. 2. 45.
	Store Room Skirting Toilet Dadooing Ded Door-D Block 2 Hall Skirting Stage Skirting Skirting Skirting Skirting Skirting Skirting Skirting Skirting	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 2 -1 1 1 1 1 1	14.28 2.00 4.00 1.20 5.50 38.20 5.50 14.30 3.10 8.81 27.92	2.00 13.60 4.40 5.15	1.80 2.10 0.15	2. 4. 142. 74. 5. 24. 2. 45.
	Store Room Skirting Toilet Dadooing Ded Door-D Block 2 Hall Skirting Stage Skirting Skirting Skirting Skirting Skirting Skirting Skirting Skirting Skirting Skirting Skirting	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 2 -1 1 1 1 1 1 1 1	14.28 2.00 4.00 1.20 5.50 38.20 5.50 14.30 3.10 8.81 27.92 5.50	2.00 13.60 4.40	1.80 2.10 0.15 0.15 0.65	2. 4. 14. 74. 5. 24. 2. 45. 44.
	Store Room Skirting Toilet Dadooing Ded Door-D Block 2 Hall Skirting Stage Skirting Skirting Skirting Skirting Skirting Skirting Skirting Skirting Skirting Skirting	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 2 -1 1 1 1 1 1 1 1 1	14.28 2.00 4.00 1.20 5.50 38.20 5.50 14.30 3.10 8.81 27.92 5.50 14.30	2.00 13.60 4.40 5.15	1.80 2.10 0.15 0.15 0.65 0.15	2. 4. 14. -2. 74. 5. 24. 2. 45. 4. 24. 24.
	Store Room Skirting Toilet Dadooing Ded Door-D Block 2 Hall Skirting Stage Skirting Skirting Skirting Skirting Skirting Skirting Skirting Hall Skirting Skirting Skirting	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 2 -1 1 1 1 1 1 1 1 1 1	14.28 2.00 4.00 1.20 5.50 38.20 5.50 14.30 3.10 8.81 27.92 5.50 14.30 1.90	2.00 13.60 4.40 5.15	1.80 2.10 0.15 0.15 0.65	2. 4. 14. 74. 5. 24. 2. 45. 46. 20. 0.
	Store Room Skirting Toilet Dadooing Ded Door-D Block 2 Hall Skirting Stage Skirting Skirting Skirting Skirting Skirting Skirting Skirting Hall Skirting Skirting Skirting Skirting Skirting Skirting Skirting Skirting Skirting	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 2 -1 1 1 1 1 1 1 1 1 1 1	14.28 2.00 4.00 1.20 5.50 38.20 5.50 14.30 3.10 8.81 27.92 5.50 14.30 1.90 2.45	2.00 13.60 4.40 5.15	1.80 2.10 0.15 0.65 0.15 0.15 0.15	2. 4. 14. 74. 5. 24. 2. 45. 46. 2. 10. 10.
	Store Room Skirting Toilet Dadooing Ded Door-D Block 2 Hall Skirting Stage Skirting	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 2 -1 1 1 1 1 1 1 1 1 1 1 1 1	14.28 2.00 4.00 1.20 5.50 38.20 5.50 14.30 3.10 8.81 27.92 5.50 14.30 1.90 2.45 13.30	2.00 13.60 4.40 5.15	1.80 2.10 0.15 0.15 0.65 0.15 0.15 0.20	2. 4. 14. 74. 5. 24. 2. 45. 46. 21. 20. 10.
	Store Room Skirting Toilet Dadooing Ded Door-D Block 2 Hall Skirting Stage Skirting Skirting Skirting Skirting Skirting Skirting Skirting Skirting Skirting Hall Skirting Skirting Skirting Skirting Hall Skirting Stage Skirting Dadooing Ded-D	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 2 -1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	14.28 2.00 4.00 1.20 5.50 38.20 5.50 14.30 3.10 8.81 27.92 5.50 14.30 1.90 2.45 13.30 1.13	2.00 13.60 4.40 5.15 4.40	1.80 2.10 0.15 0.65 0.15 0.15 0.15	2. 4. 14. 74. 5. 24. 2. 45. 41. 21. 21. 22. 23. 45. 40. 24. 24. 26. 76. 77. 78. 79. 79. 79. 79. 79. 79. 79. 79. 79. 79
	Store Room Skirting Toilet Dadooing Ded Door-D Block 2 Hall Skirting Stage Skirting Skirting Skirting Skirting Skirting Skirting Skirting Skirting Skirting Skirting Hall Skirting Skirting Skirting Hall Skirting Stage Skirting Stage Skirting Stage Skirting Stage Skirting Skarting Skirting Skirting Skirting Skirting Skirting Skirting Skirting	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 2 -1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	14.28 2.00 4.00 1.20 5.50 38.20 5.50 14.30 3.10 8.81 27.92 5.50 14.30 1.90 2.45 13.30 1.13 2.45	2.00 13.60 4.40 5.15	1.80 2.10 0.15 0.15 0.65 0.15 0.15 0.20 2.00 2.00	2. 4. 14. 74. 5. 24. 2. 45. 45. 40. 10. 26. 7.
	Store Room Skirting Toilet Dadooing Ded Door-D Block 2 Hall Skirting Stage Skirting Skirting Skirting Skirting Skirting Skirting Skirting Skirting Hall Skirting Stage Skirting User Skirting Stage Skirting Skirting Stage Skirting Stage Skirting Stage Skirting Stage Skirting Stage Skirting Stage Skirting Stage Skirting Stage Skirting Stage Skirting	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 2 -1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	14.28 2.00 4.00 1.20 5.50 38.20 5.50 14.30 3.10 8.81 27.92 5.50 14.30 1.90 2.45 13.30 1.13 2.45 11.36	2.00 13.60 4.40 5.15 4.40	1.80 2.10 0.15 0.15 0.65 0.15 0.30 2.00 2.03	2. 4. 14. 74. 5. 24. 2. 45. 45. 40. 10. 26. 77. 22.
	Store Room Skirting Toilet Dadooing Ded Door-D Block 2 Hall Skirting Stage Skirting Skirting Skirting Skirting Skirting Skirting Skirting Skirting Hall Skirting Stage Skirting User Skirting Stage Skirting Stage Skirting Stage Skirting Dadooing Ded-D Wash room Dadooing Ded-D	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 2 -1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	14.28 2.00 4.00 1.20 5.50 38.20 5.50 14.30 3.10 8.81 27.92 5.50 14.30 1.90 2.45 13.30 1.13 2.45 11.36 1.13	2.00 13.60 4.40 5.15 4.40 4.20	1.80 2.10 0.15 0.15 0.65 0.15 0.15 0.20 2.00 2.00	2. 4. 14. 14. 5. 24. 2. 45. 45. 40. 10. 26. 77. 22.
	Store Room Skirting Toilet Dadooing Ded Door-D Block 2 Hall Skirting Stage Skirting Skirting Skirting Skirting Skirting Skirting Skirting Skirting Uskirting Skirting Skirting Skirting Skirting Skirting Uskirting Stage Skirting Skirting Dadooing Ded-D Wash room Dadooing Ded-D Usash room Dadooing Ded-D Toilet	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 2 -1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	14.28 2.00 4.00 1.20 5.50 38.20 5.50 14.30 3.10 8.81 27.92 5.50 14.30 1.90 2.45 13.30 1.13 2.45 11.36 1.13 2.45	2.00 13.60 4.40 5.15 4.40	1.80 2.10 0.15 0.15 0.65 0.15 0.30 2.00 2.03 2.00 2.03	2. 4. 14. 14. 15. 24. 2. 2. 45. 46. 21. 26. 77. 22. 27. 22. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2
	Store Room Skirting Toilet Dadooing Ded Door-D Block 2 Hall Skirting Stage Skirting Skirting Skirting Skirting Skirting Skirting Skirting Hall Skirting Stage Skirting User Skirting Stage Skirting Starting Stage Skirting Starting Stage Skirting Totalet Dadooing Ded-D Toilet Dadooing	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 2 -1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	14.28 2.00 4.00 1.20 5.50 38.20 5.50 14.30 3.10 8.81 27.92 5.50 14.30 1.90 2.45 13.30 1.13 2.45 1.13 2.45 6.90	2.00 13.60 4.40 5.15 4.40 4.20	1.80 2.10 0.15 0.15 0.65 0.15 0.30 2.00 2.03 2.00 2.03	2. 4. 14. 74. 5. 24. 2. 45. 46. 21. 22. 77. 22. 22. 23. 13.
	Store Room Skirting Toilet Dadooing Ded Door-D Block 2 Hall Skirting Stage Skirting Skirting Skirting Skirting Skirting Skirting Hall Skirting Stage Skirting Stare Under Skirting Stage Skirting Stare Skirting Stare Skirting Stare Skirting Stare Skirting Stare Skirting Stare Skirting Stare Skirting Toilet Dadooing Ded-D Toilet Dadooing Ded-D4	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 2 -1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	14.28 2.00 4.00 1.20 5.50 38.20 5.50 14.30 3.10 8.81 27.92 5.50 14.30 1.90 2.45 13.30 1.13 2.45 1.13 2.45 6.90 0.76	2.00 13.60 4.40 5.15 4.40 4.20 3.23	1.80 2.10 0.15 0.15 0.65 0.15 0.30 2.00 2.03 2.00 2.03	2. 4. 14. 14. 15. 24. 2. 2. 45. 46. 21. 22. 22. 30. 30. 31. 311.
	Store Room Skirting Toilet Dadooing Ded Door-D Block 2 Hall Skirting Stage Skirting Skirting Skirting Skirting Skirting Skirting Skirting Skirting Skirting Usage Skirting Stage Skirting Stage Skirting Stage Skirting Stage Skirting Toilet Dadooing Ded-D Toilet Dadooing Ded-D4 Toilet	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 2 -1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	14.28 2.00 4.00 1.20 5.50 38.20 5.50 14.30 3.10 8.81 27.92 5.50 14.30 1.90 2.45 13.30 1.13 2.45 1.136 1.13 2.45 6.90 0.76 2.45	2.00 13.60 4.40 5.15 4.40 4.20	1.80 2.10 0.15 0.15 0.65 0.15 0.30 2.00 2.03 2.00 2.03 2.00 2.10	2. 4. 14. 74. 5. 24. 25. 45. 4. 26. 77. 26. 27. 27. 28. 29. 13. 10.
	Store Room Skirting Toilet Dadooing Ded Door-D Block 2 Hall Skirting Stage Skirting Skirting Skirting Skirting Skirting Skirting Skirting Wash room Ddadooing Ded-D Wash room Dadooing Ded-D Toilet Dadooing Ded-D Toilet Dadooing Ded-D4 Toilet Dadooing	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 2 -1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	14.28 2.00 4.00 1.20 5.50 38.20 5.50 14.30 3.10 8.81 27.92 5.50 14.30 1.90 2.45 13.30 1.13 2.45 1.136 1.13 2.45 6.90 0.76 2.45 13.70	2.00 13.60 4.40 5.15 4.40 4.20 3.23	1.80 2.10 0.15 0.15 0.15 0.15 0.15 0.200 2.00 2.00 2.00 2.00 2.00 2.00 2.	2. 4. 14. 14. 2. 74. 2. 45. 4. 24. 2. 10. 262. 22. 21. 131.
	Store Room Skirting Toilet Dadooing Ded Door-D Block 2 Hall Skirting Stage Skirting Skirting Skirting Skirting Skirting Skirting Skirting Skirting Uskirting Stage Skirting Skirting Stage Skirting Stage Skirting Stage Skirting Stage Skirting Toilet Dadooing Ded-D Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 2 -1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	14.28 2.00 4.00 1.20 5.50 38.20 5.50 14.30 3.10 8.81 27.92 5.50 14.30 1.90 2.45 13.30 1.13 2.45 11.36 1.13 2.45 6.90 0.76 2.45 13.70 0.76	2.00 13.60 4.40 5.15 4.40 4.20 3.23 1.00	1.80 2.10 0.15 0.15 0.65 0.15 0.30 2.00 2.03 2.00 2.03 2.00 2.10	2. 4. 14. 74. 5. 24. 2. 45. 46. 26. 77. 27. 21. 22. 27. 27. 27. 27. 27. 27. 27. 27. 27
	Store Room Skirting Toilet Dadooing Ded Door-D Block 2 Hall Skirting Stage Skirting Skirting Skirting Skirting Skirting Skirting Skirting Stage Skirting Stage Skirting Stage Skirting Toilet Dadooing Ded-D Wash room Dadooing Ded-D Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 2 -1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	14.28 2.00 4.00 1.20 5.50 38.20 5.50 14.30 8.81 27.92 5.50 14.30 1.90 2.45 13.30 1.13 2.45 11.36 1.13 2.45 1.13 2.45 1.13 2.45 1.13 2.45 1.13 3.10 1.13 3.10 1.13 3.10 1.13 3.10 1.13 3.10 1.13 3.10 1.13 3.10 1.13 3.10 1.13 3.10 1.13 3.10 1.13 3.10 1.13 3.10 1.13 3.10 3.10 1.13 3.10	2.00 13.60 4.40 5.15 4.40 4.20 3.23	1.80 2.10 0.15 0.15 0.65 0.15 0.30 2.00 2.03 2.00 2.10 2.10	2. 4. 14. 14. 2. 74. 5. 24. 2. 45. 46. 2. 2. 2. 2. 2. 3. 10. 262. 2. 2. 2. 2. 2. 2. 2. 2. 2. 31. 9.
	Store Room Skirting Toilet Dadooing Ded Door-D Block 2 Hall Skirting Stage Skirting Skirting Skirting Skirting Skirting Skirting Skirting Skirting Uskirting Stage Skirting Skirting Stage Skirting Stage Skirting Stage Skirting Stage Skirting Toilet Dadooing Ded-D Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 2 -1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	14.28 2.00 4.00 1.20 5.50 38.20 5.50 14.30 3.10 8.81 27.92 5.50 14.30 1.90 2.45 13.30 1.13 2.45 11.36 1.13 2.45 6.90 0.76 2.45 13.70 0.76	2.00 13.60 4.40 5.15 4.40 4.20 3.23 1.00	1.80 2.10 0.15 0.15 0.15 0.15 0.15 0.200 2.00 2.00 2.00 2.00 2.00 2.00 2.	2. 4. 14. 14. 2. 74. 5. 24. 2. 45. 46. 2. 2. 2. 2. 2. 3. 10. 262. 2. 2. 2. 2. 2. 2. 2. 2. 2. 31. 9.
	Store Room Skirting Toilet Dadooing Ded Door-D Block 2 Hall Skirting Stage Skirting Skirting Skirting Skirting Skirting Skirting Skirting Stage Skirting Stage Skirting Stage Skirting Toilet Dadooing Ded-D Wash room Dadooing Ded-D Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 2 -1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	14.28 2.00 4.00 1.20 5.50 38.20 5.50 14.30 3.10 8.81 27.92 5.50 14.30 1.90 2.45 13.30 1.13 2.45 11.36 1.13 2.45 13.70 0.76 3.00 12.42	2.00 13.60 4.40 5.15 4.40 4.20 3.23 1.00	1.80 2.10 0.15 0.15 0.65 0.15 0.30 2.00 2.03 2.00 2.10 2.10	2. 4. 14. 14. 2. 74. 5. 24. 2. 45. 46. 2. 2. 2. 2. 2. 3. 10. 262. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2
	Store Room Skirting Toilet Dadooing Ded Door-D Block 2 Hall Skirting Stage Skirting Skirting Skirting Skirting Skirting Skirting Skirting Stage Skirting Stage Skirting Toilet Dadooing Ded-D Wash room Dadooing Ded-D Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 2 -1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	14.28 2.00 4.00 1.20 5.50 38.20 5.50 14.30 3.10 8.81 27.92 5.50 14.30 1.90 2.45 13.30 1.13 2.45 11.36 1.13 2.45 6.90 0.76 2.45 13.70 0.76 3.00 12.42 1.19	2.00 13.60 4.40 5.15 4.40 4.20 3.23 1.00 4.40	1.80 2.10 0.15 0.15 0.65 0.15 0.30 2.00 2.03 2.00 2.10 2.10 2.00 2.10	2. 4. 14. 14. 2. 2. 45. 46. 21. 22. 25. 47. 26. 27. 27. 27. 27. 27. 27. 28. 29. 20. 20. 20. 20. 20. 20. 20. 20. 20. 20
	Store Room Skirting Toilet Dadooing Ded Door-D Block 2 Hall Skirting Stage Skirting Skirting Skirting Skirting Skirting Skirting Skirting Stage Skirting Stage Skirting Toilet Dadooing Ded-D Wash room Dadooing Ded-D Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 2 -1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	14.28 2.00 4.00 1.20 5.50 38.20 5.50 14.30 3.10 8.81 27.92 5.50 14.30 1.90 2.45 13.30 1.13 2.45 11.36 1.13 2.45 6.90 0.76 2.45 13.70 0.76 3.00 12.42 1.19 0.93	2.00 13.60 4.40 5.15 4.40 4.20 3.23 1.00 4.40 2.00	1.80 2.10 0.15 0.15 0.65 0.15 0.30 2.00 2.03 2.00 2.10 2.10	2. 4. 14. 14. 2. 2. 45. 46. 24. 2. 2. 45. 47. 2. 2. 2. 3. 10. 271. 9. 2421.
	Store Room Skirting Toilet Dadooing Ded Door-D Block 2 Hall Skirting Stage Skirting Skirting Skirting Skirting Skirting Skirting Skirting Stage Skirting Stage Skirting Toilet Skirting Stage Skirting Stage Skirting Stage Skirting Stage Skirting Toilet Dadooing Ded-D Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D2 Window W5 Toilet	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 2 -1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	14.28 2.00 4.00 1.20 5.50 38.20 5.50 14.30 3.10 8.81 27.92 5.50 14.30 1.90 2.45 13.30 1.13 2.45 11.36 1.13 2.45 6.90 0.76 2.45 13.70 0.76 3.00 12.42 1.19 0.93 2.45	2.00 13.60 4.40 5.15 4.40 4.20 3.23 1.00 4.40	2.10 2.10 0.15 0.15 0.15 0.15 0.15 0.200 2.00 2.00 2.00 2.10 2.00 2.10 2.00 2.10	10. 2. 4. 14. 74. 5. 24. 2. 2. 45. 45. 40. 21. 22. 2. 21. 31. 10. 271. 9. 242222222222
	Store Room Skirting Toilet Dadooing Ded Door-D Block 2 Hall Skirting Stage Skirting Skirting Skirting Skirting Hall Skirting Stage Skirting Wash room Ddadooing Ded-D Wash room Dadooing Ded-D Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D2 Window W5 Toilet Dadooing	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 2 -1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	14.28 2.00 4.00 1.20 5.50 38.20 5.50 14.30 3.10 8.81 27.92 5.50 14.30 1.90 2.45 13.30 1.13 2.45 11.36 1.13 2.45 6.90 0.76 2.45 13.70 0.76 3.00 12.42 1.19 0.93 2.45 11.32	2.00 13.60 4.40 5.15 4.40 4.20 3.23 1.00 4.40 2.00	2.10 2.10 0.15 0.15 0.15 0.15 0.15 0.200 2.00 2.00 2.00 2.10 2.00 2.10 2.00 2.10 2.00 2.10	2. 4. 14. 14. 2. 2. 24. 25. 45. 41. 26. 27. 77. 22. 27. 29. 20. 10. 20. 20. 20. 20. 20. 20. 20. 20. 20. 2
	Store Room Skirting Toilet Dadooing Ded Door-D Block 2 Hall Skirting Stage Skirting Skirting Skirting Skirting Skirting Skirting Skirting Stage Skirting Stage Skirting Toilet Skirting Stage Skirting Stage Skirting Stage Skirting Stage Skirting Toilet Dadooing Ded-D Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D4 Toilet Dadooing Ded-D2 Window W5 Toilet	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 2 -1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	14.28 2.00 4.00 1.20 5.50 38.20 5.50 14.30 3.10 8.81 27.92 5.50 14.30 1.90 2.45 13.30 1.13 2.45 11.36 1.13 2.45 6.90 0.76 2.45 13.70 0.76 3.00 12.42 1.19 0.93 2.45	2.00 13.60 4.40 5.15 4.40 4.20 3.23 1.00 4.40 2.00	2.10 2.10 0.15 0.15 0.15 0.15 0.15 0.200 2.00 2.00 2.00 2.10 2.00 2.10 2.00 2.10	2. 4. 14. 14. 2. 2. 2. 45. 45. 4. 21. 20. 10. 262. 2. 21. 131. 9. 24. 24. 27. 27. 27. 27. 28. 29. 20. 20. 20. 20. 20. 20. 20. 20. 20. 20

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	Block 8	0	4	0.70	2.00		44.40
	Akshara Dasoha Kendra Skirting	Sqm Sqm	1	3.72 13.61	3.09	0.15	11.48 2.04
	Total Qty	Sqm	'	10.01	Total	0.10	412.22
25	Providing and laying pattern flooring for staircase treads and risers using the combination of 20mm thick ruby red granite @ 66%,20 mm thick grey granite @ 20%, 20mm thick, 20mm thick black granite 14%. The granite materials are laid on existing bed of CM 1:3 20mm thick pointed with colour pigment, including full rounding for nosing, flaming the ruby red granite for 50 mm wide curing etc., complete as per specification. (P.No. 109, I.No. 14.46 of PWD SR 2018-19)						
	Block 1						
	Entry Step Tread	Sqm	2	1.10	0.30		0.66
	Riser	Sqm	3	1.10		0.15	0.50
	Block 2						_
	Entry Step Tread	Sqm	3	1.19	0.30	0.45	1.07
	Entry Step Riser	Sqm	4	1.19		0.15	0.71
	Side Entry Step Tread	Sqm Sqm	3	0.90 1.60	0.30	0.23	0.41 1.44
	Entry Step Fread Entry Step Riser	Sqm	4	1.60	0.50	0.15	0.96
	Side	Sqm	2	0.90		0.23	0.00
	Entry Step Tread	Sqm	3	1.50	0.30		1.35
	Entry Step Riser	Sqm	4	1.50		0.15	0.90
	Side	Sqm	2	0.90		0.23	0.41
	Entry Step Tread	Sqm	2	0.60	0.30	0.45	0.36
	Entry Step Riser Stage step Tread	Sqm Sqm	3 4	0.60 1.20	0.30	0.15	0.27 1.44
	Stage step fread Stage step Riser	Sqm	6	1.20	0.30	0.15	1.08
	Stage step Tread	Sqm	2	1.30	0.30	0.10	0.78
	Stage step Riser	Sqm	3	1.30		0.15	0.59
	Stage step Tread	Sqm	2	2.10	0.30		1.26
	Stage step Riser	Sqm	3	1.30		0.15	0.59
	Ramp	Sqm	1	1.40	3.90		5.46
	Ramp Block 3	Sqm	1	1.40	0.98		1.37
	Ramp	Sqm	1	3.00	1.50		4.50
	Block 5	Oqiii		0.00	1.00		1.00
	Staircase GF-FF -Tread	Sqm	19	1.03	0.30		5.84
	Staircase GF-FF -Riser	Sqm	21	1.03		0.15	3.23
	Landing	Sqm	1	2.10	1.16		2.44
	Staircase FF-TF -Tread Staircase FF-TF -Riser	Sqm Sqm	19	1.03 1.03	0.30	0.15	5.84 3.23
	Landing	Sqm	21	2.10	1.16	0.15	2.44
	Block 8	Oqiii	'	2.10	1.10		2.77
	Entry Step Tread	Sqm	3	1.10	0.30		0.99
	Entry Step Riser	Sqm	4	1.10		0.15	0.66
	Total Qty	Sqm			Total		50.78
26	Repairing door and window frames with available wood to the required size. PWD 18-19,SI No.37.12,Pg No 267 Block 1						
ļ	Door-D	Sqm	2	1.20		2.10	5.00
	Window-W Block 2	Sqm	4	1.50		1.20	7.00
	Door-D	Sqm	7	1.13		2.03	16.00
	Door-D1	Sqm	2	1.03		2.20	5.00
	Door-D2	Sqm	7	1.19		2.20	18.00
	Door-D3	Sqm	1	1.2		1.60	2.00
	Door-D4	Sqm	2	0.76		2.10	3.00
	Door-D5	Sqm	4	0.76		1.93	6.00
	Door-D6 Window-W	Sqm Sqm	7	1.05 0.95		2.10 1.40	2.00 9.00
	Window-W1	Sqm	8	1.22		1.40	19.00
	Window-W3	Sqm	1	0.9		1.50	1.00
	Window-W4	Sqm	8	1.17		1.50	14.00
	Window-W5	Sqm	3	0.93		1.52	4.00
	Block 3						ļ
	Door-D	Sqm	5	1.20		2.10	13.00
	Window-W	Sqm	9	1.20		1.50	16.00
	Block 8 Door-D	Sqm	1	1.20		2.10	3.00
	Window-W	Sqm	1	1.20		1.20	2.00
		Sqm	<u> </u>	1	Total	0	145.00
	·						
	Total 70% Quantity	Sqm			Total		101.50

	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	Repairing and fixing shutters (panelled or glazed) to doors, windows, ventilators and cupboards. PWD 18-19,SI No.37.13,Pg No.267						
	Block 1						
	Door-D	Sqm	2	1.20		2.10	5.00
	Window-W Block 2	Sqm	4	1.50		1.20	7.00
	Door-D	Sqm	7	1.13		2.03	16.00
	Door-D1	Sqm	2	1.03		2.20	5.00
	Door-D2	Sqm	7	1.19		2.20	18.00
	Door-D3	Sqm	1	1.20		1.60	2.00
	Door-D4	Sqm	2	0.76		2.10	3.00
	Door-D5 Door-D6	Sqm Sqm	<u>4</u> 1	0.76 1.05		1.93 2.10	6.00 2.00
	Window-W	Sqm	7	0.95		1.40	9.00
	Window-W1	Sqm	8	1.22		1.92	19.00
	Window-W3	Sqm	1	0.90		1.50	1.00
	Window-W4	Sqm	8	1.17		1.50	14.00
	Window-W5 Block 3	Sqm	3	0.93		1.52	4.00
	Door-D	Sqm	5	1.20		2.10	13.00
	Window-W	Sqm	9	1.20		1.50	16.00
	Block 8						
	Door-D	Sqm	1	1.20		2.10	3.00
	Window-W	Sqm	1	1.50		1.20	2.00
	T						145.00
	Total 70% Quantity	Sqm			Total		101.50
28	KSRB 15-15.1: Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - do- with primer PWD 18-19,SI No.15.51.2,Pg No.119						
	Block 1						
	Anganavadi Class Room	Sqm	2	12.15		3.00	73.00
	Store Room Toilet	Sqm Sqm	2	7.14 4.00		3.00 2.30	43.00 18.00
	Toilet Ded	Sqiii		4.00		2.30	16.00
	Door-D	Sqm	-2	1.20		2.10	-5.00
	Window-W	Sqm	-4	1.50		1.20	-7.00
	Ceiling						
	Anganavadi Class Room	Sqm	1	5.14	7.01		36.00
	Store Room Toilet	Sqm Sqm	1	5.14 2.00	2.00 2.00		10.00 4.00
	Block 2	Oqiii	'	2.00	2.00		4.00
	Staff Room	Sqm	2	11.70		4.8	112.00
	Class Room	Sqm	2	11.70		4.8	112.00
	Class Room	Sqm	2	27.50		4.8	264.00
	Head Miss Chamber	Sqm Sqm	2	10.20 19.10		4.8	97.92
		Sum				4.8	183.36
	Hall Stage					4 15	82 00
	Stage	Sqm	2	9.90		4.15 4.8	82.00 134.00
				9.90 13.96 9.90		4.15 4.8 4.50	82.00 134.00 89.00
	Stage Hall Stage Wash room	Sqm Sqm Sqm Sqm	2 2 2 2	9.90 13.96 9.90 6.65		4.8 4.50 2.80	134.00 89.00 37.00
	Stage Hall Stage Wash room Wash room	Sqm Sqm Sqm Sqm Sqm	2 2 2 2 2	9.90 13.96 9.90 6.65 5.68		4.8 4.50 2.80 2.80	134.00 89.00 37.00 32.00
	Stage Hall Stage Wash room Wash room Toilet	Sqm Sqm Sqm Sqm Sqm Sqm	2 2 2 2 2 2	9.90 13.96 9.90 6.65 5.68 3.45		4.8 4.50 2.80 2.80 2.80	134.00 89.00 37.00 32.00 19.00
	Stage Hall Stage Wash room Wash room Toilet Toilet	Sqm Sqm Sqm Sqm Sqm Sqm Sqm	2 2 2 2 2 2 2 2	9.90 13.96 9.90 6.65 5.68 3.45 6.85		4.8 4.50 2.80 2.80 2.80 2.80	134.00 89.00 37.00 32.00 19.00 38.00
	Stage Hall Stage Wash room Wash room Toilet Toilet Toilet Toilet	Sqm Sqm Sqm Sqm Sqm Sqm	2 2 2 2 2 2	9.90 13.96 9.90 6.65 5.68 3.45		4.8 4.50 2.80 2.80 2.80	134.00 89.00 37.00 32.00 19.00
	Stage Hall Stage Wash room Wash room Toilet Toilet Toilet Toilet Ded	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	2 2 2 2 2 2 2 2 2 2 2	9.90 13.96 9.90 6.65 5.68 3.45 6.85 6.21 5.66		4.8 4.50 2.80 2.80 2.80 2.80 2.80 2.80	134.00 89.00 37.00 32.00 19.00 38.00 35.00 32.00
	Stage Hall Stage Wash room Wash room Toilet Toilet Toilet Toilet Ded Door-D	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	2 2 2 2 2 2 2 2 2 2 2	9.90 13.96 9.90 6.65 5.68 3.45 6.85 6.21 5.66		4.8 4.50 2.80 2.80 2.80 2.80 2.80 2.80 2.80	134.00 89.00 37.00 32.00 19.00 38.00 35.00 32.00
	Stage Hall Stage Wash room Wash room Toilet Toilet Toilet Toilet Ded	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	2 2 2 2 2 2 2 2 2 2 2	9.90 13.96 9.90 6.65 5.68 3.45 6.85 6.21 5.66		4.8 4.50 2.80 2.80 2.80 2.80 2.80 2.80	134.00 89.00 37.00 32.00 19.00 38.00 35.00 32.00
	Stage Hall Stage Wash room Wash room Toilet Toilet Toilet Toilet Ded Door-D Door-D1 Door-D2 Door-D3	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	2 2 2 2 2 2 2 2 2 2 2 2 2 7 -7 -2 -7	9.90 13.96 9.90 6.65 5.68 3.45 6.85 6.21 5.66 1.13 1.03 1.19 1.20		4.8 4.50 2.80 2.80 2.80 2.80 2.80 2.20 2.20 1.60	134.00 89.00 37.00 32.00 19.00 38.00 35.00 32.00 -16.00 -5.00 -18.00 -2.00
	Stage Hall Stage Wash room Toilet Toilet Toilet Toilet Toilet Ded Door-D Door-D1 Door-D2 Door-D3 Door-D4	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	2 2 2 2 2 2 2 2 2 2 2 2 -7 -7 -1 -2	9.90 13.96 9.90 6.65 5.68 3.45 6.85 6.21 5.66 1.13 1.03 1.19 1.20 0.76		4.8 4.50 2.80 2.80 2.80 2.80 2.80 2.20 2.20 1.60 2.10	134.00 89.00 37.00 32.00 19.00 38.00 35.00 32.00 -16.00 -5.00 -18.00 -2.00 -3.00
	Stage Hall Stage Wash room Toilet Toilet Toilet Toilet Ded Door-D Door-D1 Door-D2 Door-D3 Door-D4 Door-D5	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	2 2 2 2 2 2 2 2 2 2 2 2 2 -7 -7 -1 -2 -4	9.90 13.96 9.90 6.65 5.68 3.45 6.85 6.21 5.66 1.13 1.03 1.19 1.20 0.76 0.76		4.8 4.50 2.80 2.80 2.80 2.80 2.80 2.20 2.20 2.20 1.60 2.10 1.93	134.00 89.00 37.00 32.00 19.00 38.00 35.00 32.00 -16.00 -18.00 -2.00 -3.00 -6.00
	Stage Hall Stage Wash room Wash room Toilet Toilet Toilet Ded Door-D Door-D1 Door-D2 Door-D3 Door-D4 Door-D5 Door-D6	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	2 2 2 2 2 2 2 2 2 2 -7 -2 -7 -1 -2 -4 -1	9.90 13.96 9.90 6.65 5.68 3.45 6.85 6.21 5.66 1.13 1.03 1.19 1.20 0.76 0.76 1.05		4.8 4.50 2.80 2.80 2.80 2.80 2.80 2.20 2.20 1.60 2.10 1.93 2.10	134.00 89.00 37.00 32.00 19.00 38.00 35.00 32.00 -16.00 -5.00 -18.00 -2.00 -6.00 -2.00
	Stage Hall Stage Wash room Toilet Toilet Toilet Toilet Ded Door-D Door-D1 Door-D2 Door-D3 Door-D4 Door-D5	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	2 2 2 2 2 2 2 2 2 2 2 2 2 -7 -7 -1 -2 -4	9.90 13.96 9.90 6.65 5.68 3.45 6.85 6.21 5.66 1.13 1.03 1.19 1.20 0.76 0.76		4.8 4.50 2.80 2.80 2.80 2.80 2.80 2.20 2.20 2.20 1.60 2.10 1.93	134.00 89.00 37.00 32.00 19.00 38.00 35.00 32.00 -16.00 -18.00 -2.00 -3.00 -6.00
	Stage Hall Stage Wash room Toilet Toilet Toilet Toilet Ded Door-D Door-D1 Door-D2 Door-D3 Door-D4 Door-D5 Door-D6 Window-W Window-W1 Window-W3	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	2 2 2 2 2 2 2 2 2 2 2 -7 -1 -2 -4 -1 -7 -8 -1	9.90 13.96 9.90 6.65 5.68 3.45 6.85 6.21 5.66 1.13 1.03 1.19 0.76 0.76 1.05 0.95 1.22 0.90		4.8 4.50 2.80 2.80 2.80 2.80 2.80 2.20 2.20 1.60 2.10 1.93 2.10 1.40 1.92 1.50	134.00 89.00 37.00 32.00 19.00 38.00 35.00 32.00 -16.00 -5.00 -18.00 -2.00 -6.00 -2.00 -9.00 -19.00 -1.00
	Stage Hall Stage Wash room Toilet Toilet Toilet Ded Door-D Door-D1 Door-D2 Door-D3 Door-D4 Door-D5 Door-D6 Window-W Window-W1 Window-W3 Window-W4	Sqm Sqm	2 2 2 2 2 2 2 2 2 2 2 -7 -1 -2 -4 -1 -7 -8	9.90 13.96 9.90 6.65 5.68 3.45 6.85 6.21 5.66 1.13 1.03 1.19 1.20 0.76 0.76 1.05 0.95 1.22 0.90 1.17		4.8 4.50 2.80 2.80 2.80 2.80 2.80 2.03 2.20 2.20 1.60 2.10 1.93 2.10 1.40 1.92 1.50	134.00 89.00 37.00 32.00 19.00 38.00 35.00 32.00 -16.00 -5.00 -18.00 -2.00 -6.00 -2.00 -9.00 -19.00 -19.00 -14.00
	Stage Hall Stage Wash room Toilet Toilet Toilet Ded Door-D Door-D1 Door-D2 Door-D3 Door-D4 Door-D5 Door-D6 Window-W Window-W1 Window-W3 Window-W4 Window-W5	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	2 2 2 2 2 2 2 2 2 2 2 -7 -1 -2 -4 -1 -7 -8 -1	9.90 13.96 9.90 6.65 5.68 3.45 6.85 6.21 5.66 1.13 1.03 1.19 0.76 0.76 1.05 0.95 1.22 0.90		4.8 4.50 2.80 2.80 2.80 2.80 2.80 2.20 2.20 1.60 2.10 1.93 2.10 1.40 1.92 1.50	134.00 89.00 37.00 32.00 19.00 38.00 35.00 32.00 -16.00 -5.00 -18.00 -2.00 -6.00 -2.00 -9.00 -19.00 -1.00
	Stage Hall Stage Wash room Toilet Toilet Toilet Ded Door-D Door-D1 Door-D2 Door-D3 Door-D4 Door-D5 Door-D6 Window-W Window-W1 Window-W3 Window-W4	Sqm Sqm	2 2 2 2 2 2 2 2 2 2 2 -7 -1 -2 -4 -1 -7 -8	9.90 13.96 9.90 6.65 5.68 3.45 6.85 6.21 5.66 1.13 1.03 1.19 1.20 0.76 0.76 1.05 0.95 1.22 0.90 1.17		4.8 4.50 2.80 2.80 2.80 2.80 2.80 2.03 2.20 2.20 1.60 2.10 1.93 2.10 1.40 1.92 1.50	134.00 89.00 37.00 32.00 19.00 38.00 35.00 32.00 -16.00 -5.00 -18.00 -2.00 -6.00 -2.00 -9.00 -19.00 -19.00 -14.00

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	Window-W	Sqm	-9	1.20		1.50	-16.20
	Block 5						
	Staff Room-GF	Sqm	2	11.82		3.00	70.92
	Store Room-GF Room-GF	Sqm Sqm	2	7.00 10.65		3.00 3.00	42.00 63.90
	Ceiling	Sqm	1	75.00	Area	3.00	75.00
	Hall-FF	Sqm	2	17.00	Alca	3.00	102.00
	Staff Room	Sqm	2	9.30		3.00	55.80
	Ceiling	Sqm	1	74.00	Area		74.00
	Ded						
	Door-D	Sqm	-6	1.20		2.10	-15.00
	Window-W Window-W1	Sqm Sqm	-5 -1	1.20		1.30 1.30	-8.00 -1.00
	Window-W2	Sqm	-1	1.35		1.30	-2.00
	Window-W3	Sqm	-7	1.20		1.20	-10.00
	Ventilator-V	Sqm	-2	0.50		0.30	-0.30
	Block 8						
	Akshara Dasoha Kendra	Sqm	2	6.81		3.00	40.83
	Ded			4.00		0.40	0.54
	Door-D	Sqm	-1 -1	1.20		2.10 1.20	-2.52
	Window-W Ceiling	Sqm Sqm	1	1.50 3.72	3.09	1.20	-1.80 11.49
	Total Quantity	Sqm		3.72	Total		1998.62
	Total Quantity	<u> </u>			10141		100010
	Supplying and fixing new Mangalore tiles on existing reepers.						
29	PWD 18-19,SI No.37.9,Pg No.267						
	Block 2	Sqm	1				938.7
	Block 3	Sqm	1		Tata!		193.8
	Tarabook O as altra	Sqm			Total		1132.5 679.5
	Total 60% Quantity	Sqm					679.5
	KSRB 8.4: Providing and fixing Mangalore tile roofing using first						
	class tiles with necessary special tiles for ridges and hips, wood						
	reepers and pointed with cement mortar 1:4 over the existing						
30	rafters including cost of materials, labour, curing complete as per						
	specifications. Specification No. KBS 8.17KSRB 8.4-2: do- Nandi						
	wood reepers of size 50x25mm PWD 18-19,SI No.8.11						
	1 VVD 10-10,01140.0.11						
	School Building	Sqm	1				1132.50
	Solitor Ballaning	Sqm			Total		1132.50
	Total 40% Quantity	Sqm					453.0
	Removing and fixing old Mangalore ridge tiles including pointing						
31	with C.M. 1:3.						
	PWD 18-19,SI No.37.10,Pg No.267						
	Block 2	Rmt	1	93.00			93.00
	Block 3	Rmt	1	17.00			17.0
		Rmt			Total		110.00
	Total 80% Quantity	Rmt					88.0
	KSRB 15-17.19: Providing and applying painting one coat (
	excluding priming coat) on previously painted wood surface and /						
	or wood based surface with black japan paint to give an even						
32	shade after cleaning the surface of all dirt, dust and foreign						
	matter, including cost of materials, labour, complete as per						
	specifications.						
	PWD 18-19,SI No.15.71,Pg No.123						
	Block 1						-
	Door-D	Sqm	2	1.20		2.10	5.04
	Window-W	Sqm	4	1.50		1.20	7.20
	Block 2	C ====	7	4.40		0.00	40.0
	Door-D Door-D1	Sqm Sqm	7 2	1.13 1.03		2.03 2.20	16.0 4.5
	Door-D2	Sqm	7	1.19		2.20	18.3
	Door-D3	Sqm	1	1.20		1.60	1.9
	Door-D4	Sqm	2	0.76		2.10	3.1
	Door-D5	Sqm	4	0.76		1.93	5.8
	Door-D6	Sqm	1	1.05		2.10	2.2
	Window-W	Sqm	7	0.95		1.40	9.3
	Window-W1	Sqm	8	1.22		1.92	18.7
	Window-W3	Sqm	1	0.90		1.50	1.3
	Window W5	Sqm	8	1.17		1.50	14.0
	Window-W5	Sqm	3 18	0.93 0.40		1.52 2.40	4.2 17.2
	Wooden Column Block 3	Sqm	10	0.40		∠.40	17.2
	2.00.0		 	 	1		
	Door-D	Sqm	5	1.20		2.10	12.6

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	Wooden Column	Sqm	6	0.40		2.30	5.52
	Block 8	C	4	4.00		0.40	0.50
	Door-D Window-W	Sqm Sqm	1	1.20 1.50		2.10 1.20	2.52 1.80
	Trinden Tr	Sqm			Total	20	167.95
	KSRB 15-17.19:Applying additional one coat (excluding priming						
	coat) on previously painted wood surface and / or wood based surface with black japan paint to give an even shade after						
33	cleaning the surface of all dirt, dust and foreign matter, including						
	cost of materials, labour, complete as per specifications.						
	PWD 18-19,SI No.15.72,Pg No.123						
	Block 1						
	Door-D	Sqm	2	1.20		2.10	5.04
	Window-W	Sqm	4	1.50		1.20	7.20
	Block 2	C	7	4.40		0.00	40.00
	Door-D Door-D1	Sqm Sqm	7 2	1.13 1.03		2.03 2.20	16.06 4.53
	Door-D2	Sqm	7	1.19		2.20	18.33
	Door-D3	Sqm	1	1.20		1.60	1.92
	Door-D4	Sqm	2	0.76		2.10	3.19
	Door-D5 Door-D6	Sqm Sqm	1	0.76 1.05		1.93 2.10	5.87 2.21
	Window-W	Sqm	7	0.95		1.40	9.31
	Window-W1	Sqm	8	1.22		1.92	18.74
	Window-W3	Sqm	1	0.9		1.5	1.35
	Window-W4 Window-W5	Sqm Sqm	8	1.17 0.93		1.5 1.52	14.04 4.24
	Wooden Column	Sqm	18	0.93		2.40	17.28
	Block 3	Oqiii	10	0.10		2.10	17.20
	Door-D	Sqm	5	1.20		2.10	12.60
	Window-W	Sqm	9	1.20		1.50	16.20
	Wooden Column Block 8	Sqm	6	0.40		2.30	5.52
	Door-D	Sqm	1	1.20		2.10	2.52
	Window-W	Sqm	1	1.50		1.20	1.80
		Sqm			Total		167.95
34	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification PWD 18-19,SI No.10.5.1,Pg No 69						
		0		07.50		0.45	40.00
	Block 1 Rcc Slab- Anganavadi	Sqm Sqm	1	37.52 5.73	9.83	0.45	16.88 56.25
	Rcc Slab- Toilet	Sqm	1	2.23	2.60		5.80
	Block 2	Sqm	1	160.40		0.45	72.18
	Block 3	Sqm	1	43.08		0.45	19.39
	Block 5 Rcc Slab	Sqm Sqm	1	23.75 62.00	Area	0.45	10.69 62.00
	Block 8	Sqm	1	15.35	,	0.45	6.91
	RCC Slab	Sqm	1	16.00	Area		16.00
		Sqm	-		Total		266.10
35	KSRRB M300- Planting and Maintaining of Flowering Plants and Shrubs KSRRB M300- 8.1. Planting and Maintaining of Flowering Plants and Shrubs - A) Planting flowring plants and shrubs in central verge MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149						
	Total Area	Rmt	1.00	73.00			73.00
	Total Qty	Rmt			Total		73.00
				1			

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
36	Providing and laying heavy duty Tactile Tiles (Direction and Stop tiles-300 x 300 mm) 60mm thick and Yellow in colour , using cement and course sand for manufacture of blocks of approved size, shape with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. (As Per EOI)						
	Inside Garden Area	Sqm	1.00	19.00	1.00		19.00
	Near Tank side Building Surrounding	Sqm	1.00	46.00	2.00		92.00
	Total Qty	Sqm			Total		111.00
37	KSRRB M300-Turfing lawns with fine grassing including ploughing, dressing KSRRB M300-5. Turfing lawns with fine grassing including ploughing, dressing including breaking of clods, removal of rubbish, dressing and supplying doobs grass roots at 10 cm apart, including supplying and spreading of farm yard manure at rate of 0.6 cum per 100 sqm complete as per specifications. MORTH Specification No. 307 PWD SOR 18-19,SI No.19.82,Pg No149						
	Football Ground	Sqm	1.00	519.00	Area		519.00
	TOWNS OF WITH	Sqm			Total		519.00
38	KSRRB M300- Maintenance of lawns with fine grassing for the first year KSRRB M300-6. Maintenance of lawns with fine grassing for the first year including watering etc complete as per specifications. MORTH Specification No. 307. PWD SOR 18-19,SI No.19.83,Pg No149						
	Football Ground	Sqm	1.00	519.00	Area		519.00
		Sqm			Total		519.00
39	Providing and laying artline grass pavers or equivqlent block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge. (Non SOR)						
	Outside Football Ground	Sqm	1.00	84.00	0.50		42.00
	Left Side of the Building	Sqm	1.00	68.89	2.25		155.00
	Right Side of the Building	Sqm	1.00	22.98	2.35		54.00
	Back side of the Building	Sqm	1.00	65.71	2.80		184.00
40	Providing and fixing Vitrified glazed tiles of approved make, quality & colour of size 900 x 900 x 12mm thick fixed on bed of 12mm thick cement mortar for flooring, skirting and JOinted with neat cement slurry mixed with pigment to mach shade of tiles, including providing spacers at required interval and removing stains, including cost of all mateirals, mortar, labour, etc., Complete as per specification. (KPWD 18-19,SI.No.14.45.1)	Sqm			Total		435.00
	Urdu school Back side	Sqm	1.00	60.91	5.50		335.00
		Sqm			Total		335.00
41	KSRB 2.9 : Spreading and forming the excavated earth to required level, slope for an average thickness of 75mm. in all classes of soils including breaking clods and tamping manually alround the building and low laying areas complete as per specifications.specification. No. KBS : (KSRB 18-19,Pg No.7,SI No.2.16)						
	Front side of the Building	Sqm	1.00	82.40	5		412.00
	Total Qty	Sqm			Total		412.00
	Providing and fixing Pre cast solid concrete kerb stones made out of CC						
42	1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete. do- of size 450 x 150 x 400 mm (KSRRB 18-19,Pg No.27,SI No.5.29.1)						
	Total Qty for 1 Kerb Stone	Cum	1.00	0.45	0.33	0.4	0.06

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	Total Qty	Rmt	1.00	227.00			227.00
	Total Qty	No			Total		504.00
43	1 Surface Preparation: Saw cutting further to construction and contol joints in floor to 10mm wide x 10mm deep as shear key, include surface preparation by mechanical means using Grinding machines with frequency control drive and planetry drive, equipped with a vaccum pipe for dust collection. where operating width should not be more than 400mm, power 5HP 3phase, voltage 220V/415V, Motor speed should be 700 RPM-900 RPM followed by Hand grinding machine for non approachable areas as directed in BS 8203: Code of practice for installation of resilient floor coverings,BS 8204 Parts 1, 3, 6 and 7 and FERFA followed by as required all in complete as per manufacturers and EIC. Work need to be done by flooring specialist only recommended by Flowcrete only.						
	3. Supplying and Installing Versaspeed / Thin top Supreme/ Eucocrete of FLOWCRETE (USA) versatile, single-component, rapid-setting mortar for horizontal, and form and pour repair projects. Requiring only the addition of water and 25% -40% pea aggregates, where the compressive strength should be 58.6Mpa as per ASTM C 109, Flexural strength as per ASTM C 348 should be 6.2Mpa in 1 day, Linear shrinkage as per ASTM C157 should be -0.083%, chloride permeability should be 900 coulombs as per ASTM C 1202 along with along with TUF-STRAND SF "structural fibers" of FLOWCRETE are a patented polypropylene / polyethylene synthetic macro-fiber successfully used to replace steel fibers, welded wire mesh and conventional reinforcing bars in a wide variety of applications. TUF- STRAND SF fibers comply with ASTM C1116, Standard Specifically designed to provide equivalent tensile and bending resistance to conventional reinforcement requirements. Concrete reinforced with TUF- STRAND SF will have three-dimensional reinforcing with enhanced flexural toughness, impact and abrasion resistance and will also help mitigate the formation of plastic shrinkage cracking in concrete. Dosage rates will vary depending upon the reinforcing requirements and can range from 1.8 kg/m³ to 12 kg/m³. TUF- STRAND SF synthetic macro-fibers comply with applicable portions of the International Code Council (ICC)						
	Acceptance Criteria AC32 for synthetic fibers, are UL certified for composite metal deck construction and are recognized within ACI 360 and SDI/ANSI-C1.0 as a reinforcing alternate to WWF. Mixing and applying repair Mortar as per the manufacturer's recommendations within the open time of the bonding agents. Finish to level of surrounding concrete surface utilizing techniques recommended and finished with bull floater top of by manufacturer or as per the site Engineer. THICKNESS- 30MM (Market Rate)						
	Football Ground	Sqm	1.00	31.00	11.50		356.50
	Total Qty	Sqm	1.00	31.00	Total		356.50
	CUTTING OFJOINTS	34.II			10.01		200.00
44	Cutting 10mmX10mm joint where the joint a/b should not be more than 1.02, (As per TR34). followed by Providing and filling Decksheild putty/ EUCO700 all in complete as per manufacturer direction or EIC.(Market Rate)	Rmt	2.00	25.00			50.00
		Rmt	3.00	8.00		İ	24.00
		EXIIII	3.00	0.00			2-1.00

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
45	To supply and apply Green Label certified Decksheild system, low VOC as per ISO11890-2 resulted in Very Low <20g/L, solvent free, flexible polyurethane park deck coating system providing a colourful watertight, hard- wearing surface for intermediate decks of multi-storey, basement and other trafficable suspended floors consisting of 3 component, solvent free, Polyurethane based primer/body coat/binding agent having solid content of approximately 100% which accepts silica aggregate scatter to produce an anti skid surface as well as 2 component, coloured, flexible polurethane coating having 100% solid contents to seal the aggregate layer where UV light staibility is not critical having chemical resistance property to Petrol, Diesel, Antifreeze, Hydraulic Fluids, Chlorides & Battery Acids etc. Technical profile having Fire resistance -BS476-3 Designated EXT.F.AA, Slip Resistance as per TRRL Pendulum Slip Test resulted in Dry>40. Wet>40 (Low Slip Potential), Abrasion Resiatance as per Taber Abrader resulted in 0.1 mg loss per 1000 cycles (1Kg Load using CS17 wheels). For exposed area UV stable 2 component Polyurethane based top coat having abrasion resistance as per Taber Abrader: 0.1g loss per 1000 cycles, 100% UV Light stable & prevents from yellowing effect, followed by as required all in complete as per manufacturers and EIC (Market Rate)	Sqm	1.00	31.00	11.50		356.50
	Total Qty	Sqm			Total		356.50
		<u> </u>					000.00
46	KSRB13-1.1: Providing and fixing to wall, ceiling and floor galvanised I mild steel tube nominal bore with fittings (medium grade weight 1.27 kglmtr) B class including cost of all materials, labour charges, HOM and testing complete as per specifications. Specification No.KBS 13.2.14 I 13.8 do- 40 mm dia (KSRB 18-19,Pg No.92,SI No.13.5)						
	Football Ground	Rmt	4.00	2.50			10.00
		Rmt	2.00	7.50			15.00
		Rmt	4.00	4.00			16.00
	Total Qty	Rmt	1		Total		41.00
47	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 (KSRB 18-19,SI No.24.15)						
	Entrance Area	Sqm	1.00	133.00	0.15		19.95
	Circular	Sqm	1.00	27.00	0.15		4.05
	Total Qty	Sqm			Total	1	24.00

Executive Engineer MSCL Mangaluru

GM Technical MSCL Mangaluru

MANGALURU SMART CITY 1.4 Rate Analysis of E-SMART SCHOOL

RATE ANALYSIS - GUPS BOLAR AND URDU SCHOOL

	periphery of the area cleaned complete as	per specifications. MORTH Specif	ication No. 201	
	PWD 18-19,Page No 138,SI No.18.10)			
	Basic rate		25755	
	Sub Total		25755	
	Add 10% For area weightage		2575.50	
	Total	Rate	28330.50	На
	KSRB 24-9: Cleaning and washing of ston	•	acid including o	cost of materi
2	labour, complete as per specifications. Spe	ecification No.KBS 18-19,		
	(Page No 130,SI No : 16.4)			_
	Basic rate		5.00	
	Sub Total		5.00	
	Add 10% For area weightage		0.50	
	Total	Rate	5.50	Sqm
		•		
	Basic rate		3391	
	(KPWD 18-19,Page No 384,SI No : 42.5.3))		
	Sub Total		3391	
	A 400/ E			
	Add 10% For area weightage		339.10	
	Total	Rate	339.10 3730.10	
	Total	-	3730.10	Cum
	Total KSRB 15.3.10 Providing 20mm thick ceme	ent plaster in single coat with ceme	3730.10 ent mortar 1:4, t	Cum to stone maso
1	Total KSRB 15.3.10 Providing 20mm thick ceme and concrete surface including rounding of	ent plaster in single coat with ceme if corners wherever required smoo	3730.10 ent mortar 1:4, t th rendering, : I	co stone maso Providing and
4	Total KSRB 15.3.10 Providing 20mm thick ceme and concrete surface including rounding of removing scaffolding, including cost of mat	ent plaster in single coat with ceme if corners wherever required smoo	3730.10 ent mortar 1:4, t th rendering, : I	co stone maso Providing and
4	Total KSRB 15.3.10 Providing 20mm thick ceme and concrete surface including rounding of	ent plaster in single coat with ceme if corners wherever required smoo	3730.10 ent mortar 1:4, t th rendering, : I	co stone maso Providing and
4	KSRB 15.3.10 Providing 20mm thick ceme and concrete surface including rounding of removing scaffolding, including cost of mat PWD 18-19,SI No.15.19,Pg No 116	ent plaster in single coat with ceme if corners wherever required smoo	3730.10 ent mortar 1:4, t th rendering, : I per specificatio	co stone maso Providing and ons.
4	Total KSRB 15.3.10 Providing 20mm thick ceme and concrete surface including rounding of removing scaffolding, including cost of mat	ent plaster in single coat with ceme if corners wherever required smoo	3730.10 ent mortar 1:4, th th rendering, : I per specification	co stone maso Providing and ons.
4	Total KSRB 15.3.10 Providing 20mm thick ceme and concrete surface including rounding of removing scaffolding, including cost of mat PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total	ent plaster in single coat with ceme if corners wherever required smoo	ant mortar 1:4, the rendering, : If the rendering in the	co stone maso Providing and ons.
4	KSRB 15.3.10 Providing 20mm thick ceme and concrete surface including rounding of removing scaffolding, including cost of mat PWD 18-19,SI No.15.19,Pg No 116 Basic rate	ent plaster in single coat with ceme if corners wherever required smoo	3730.10 ent mortar 1:4, th th rendering, : I per specification	co stone mase Providing and ons.
4	KSRB 15.3.10 Providing 20mm thick ceme and concrete surface including rounding of removing scaffolding, including cost of mat PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage	ent plaster in single coat with ceme if corners wherever required smoo terials, labour, curing complete as	ant mortar 1:4, the rendering, : If per specification 273 273 27.30	co stone mase Providing and ons.
4	KSRB 15.3.10 Providing 20mm thick ceme and concrete surface including rounding of removing scaffolding, including cost of mat PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage	ent plaster in single coat with ceme if corners wherever required smooterials, labour, curing complete as Rate	3730.10 ent mortar 1:4, t th rendering, : I per specificatio 273 273 27.30 300.30	co stone mase Providing and ons.
4	KSRB 15.3.10 Providing 20mm thick ceme and concrete surface including rounding of removing scaffolding, including cost of mat PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total	ent plaster in single coat with ceme if corners wherever required smooterials, labour, curing complete as Rate ternal walls in two coats with water	ant mortar 1:4, the rendering, : If per specification 273 273 273 27.30 300.30 proof cement p	cum o stone mase Providing and ons. Sqm paint of appro
	KSRB 15.3.10 Providing 20mm thick ceme and concrete surface including rounding of removing scaffolding, including cost of mat PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1 : Providing and finishing ext	ent plaster in single coat with ceme if corners wherever required smooterials, labour, curing complete as Rate ternal walls in two coats with water ter throughly brooming the surface	273 273 273 273 273 273 273 27 300.30	co stone masons. Sqm Paint of approdict and loose
5	KSRB 15.3.10 Providing 20mm thick ceme and concrete surface including rounding of removing scaffolding, including cost of mat PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1 : Providing and finishing ext brand and shade to give an even shade aft	ent plaster in single coat with ceme if corners wherever required smooterials, labour, curing complete as Rate ternal walls in two coats with water ter throughly brooming the surface	273 273 273 273 273 273 273 27 300.30	co stone mass Providing and ons. Sqm Paint of approdict and loose
	KSRB 15.3.10 Providing 20mm thick ceme and concrete surface including rounding of removing scaffolding, including cost of mat PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1 : Providing and finishing ext brand and shade to give an even shade aft powdered material, free from mortar drops per specifications do - with Primer	ent plaster in single coat with ceme if corners wherever required smooterials, labour, curing complete as Rate ternal walls in two coats with water ter throughly brooming the surface	ant mortar 1:4, the rendering, : If per specification 273 273 273 27.30 300.30 proof cement per to remove all conaterials, labour	Cum o stone mase Providing and ons. Sqm Daint of approdirt and loose r, complete a
	KSRB 15.3.10 Providing 20mm thick ceme and concrete surface including rounding of removing scaffolding, including cost of mat PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1 : Providing and finishing ext brand and shade to give an even shade aft powdered material, free from mortar drops per specifications do - with Primer Basic Rate	ent plaster in single coat with ceme if corners wherever required smooterials, labour, curing complete as Rate ternal walls in two coats with water ter throughly brooming the surface	art mortar 1:4, the rendering, : If per specification 273 273 27.30 300.30 approof cement per to remove all conaterials, labour 102.00	Cum o stone maso Providing and ons. Sqm aint of approdirt and loose r, complete a
	KSRB 15.3.10 Providing 20mm thick ceme and concrete surface including rounding of removing scaffolding, including cost of mat PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1 : Providing and finishing ext brand and shade to give an even shade aft powdered material, free from mortar drops per specifications do - with Primer Basic Rate Sub Total	ent plaster in single coat with ceme if corners wherever required smooterials, labour, curing complete as Rate ternal walls in two coats with water ter throughly brooming the surface	art mortar 1:4, the rendering, : If per specification 273 2730 300.30 proof cement per to remove all conaterials, labour 102.00 102	Cum To stone maso Providing and Tons. Sqm Paint of approviding and loose To square an
	KSRB 15.3.10 Providing 20mm thick ceme and concrete surface including rounding of removing scaffolding, including cost of mat PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1 : Providing and finishing ext brand and shade to give an even shade aft powdered material, free from mortar drops per specifications do - with Primer Basic Rate	ent plaster in single coat with ceme if corners wherever required smooterials, labour, curing complete as Rate ternal walls in two coats with water ter throughly brooming the surface	art mortar 1:4, the rendering, : If per specification 273 273 27.30 300.30 approof cement per to remove all conaterials, labour 102.00	Cum o stone maso Providing and ons. Sqm aint of approdirt and loose r, complete a

	Providing external walls with texture finish usi	•	•
	over one coat of primer including cost of all ma		
6	unloading, all lead and lift and all other incider	ital charges including scaffol	ding and removing stains,
	complete as per specifications. (KPWD 18-19,SI No.15.103)		
	Basic Rate		340.00
	Sub Total		340.00
	Add 10% For Area weightage		34.00
	Total	Rate	374.00 Sqm
	I otal	Trace	014.00 0q
	KSRRB MS00-10 Painting new letter and figure	ures of any shade with synthe	etic enamel paint black or any
	other approved colour to give an even shade of	•	•
7	Hyphen and the like not to be measured and p	paid for"	. , -
	MORTH Specification No.801		
	(KSRRB 18-19,SI No.24.10)		
	Basic Rate		0.70
	Sub Total		0.7
	Add 10% For Area weightage		0.07
	Total	Rate	0.77 Cm
	Cleaning RCC sump tanks and RCC overhead		•
	sludge, mud, dirt, algea etc and cleaning the v		
•	and spraying anti bacterial treatment to the w	_	
8	of sludge etc, using suitable coconut broomsti plastic buckets, mugs, dewatering using moto	•	
	all safety measures.	or with portal arrangement, T	iose pipe etc., complete including
	(KPWD 18-19,SI No.10.7)		
	Basic Rate		0.35
	Sub Total		0.35
	Add 10% For Area weightage		0.04
	Total	Rate	0.39 L
		•	•
	KSRB 15-18.3 : Providing and applying ename		
9	painted steel or other metal surface brushing t		
Э	foreign matter, including cost of materials, lab	our, complete as per specific	cations.
	PWD 18-19,SI No.15.75,Pg No 123		<u>, </u>
	Basic Rate		61.00
	Sub Total		61
	Add 10% For Area weightage		6.10
	Total	Rate	67.10 Sqm
	ICODO 2 2 4 . Forthweet average the factor to	tion of buildingsstar	hu aquitamu linga and alastnis -!
	KSRB 2-2.1 : Earthwork excavation for founda	•	
	conduits either in pits or in trenches 1.5m and including dressing the bottom and sides of pits		
10	of excavation with lead upto 50 m. after breaking		
	KBS 2.1(a) / 2.3.5	3 51 51545 5511111010 40 101	Specification openiodion (40.
	PWD 18-19,SI No.2.3,Pg No 6		
	Basic Rate		299.00
	Sub Total		299
	add 10% For Area weightage		29.90
	Total	Rate	328.90 Cum
			

	KSRB 4-1.6; Providing and laying in position plai			
	20mm and down size graded granite metal coars			
11	0.53cum, machine mixed, concrete laid in layers	_	•	
11	foundation, plinth and cills, including cost of all m	aterials, labour, HOM curir	ng complete as p	er
	specifications. Specification No. KBS 4.1, 4.2			
	PWD 18-19,SI No.4.6,Pg No 13			
	Basic Rate		5900.00	
	Sub Total		5900	
	add 10% For Area weightage		590.00	
	Total	Rate	6490.00	
				I.
	KSRB 14.9-2: Providing and laying M-15 cement	concrete flooring 60 mm t	hick with metalli	ic concrete
	hardner topping, under layer of 45mm thick M-15			
	down size and top layer of 15mm thick metallic ce	<u> </u>	-	
	·		•	
12	mix: 2 granite metal 10mm nominal size) by vol			
	mix in the ratio of 4:1 (4 part of cement= 1 part of	•		
	wt), including finishing, cost of materials, labour,	curing, complete as per sp	pecifications. Spe	ecification No.
	KBS 14.4			
	PWD 18-19,SI No.14.14			
	Basic Rate		725.00	
	Sub Total		725	
	add 10% For Area weightage		72.50	
	Total	Rate	797.50	
	Total	Rate	737.50	oqiii
	Providing and laying in position reinforced cemen		407 111 000	
	340kgs, with 20mm and down size graded granite @ 0.47cum, with super plasticisers @ 3 liters cor	e metal coarse aggregates forming to IS 9103-1999 r	eafirmed-2008 a	t machine
13	@ 0.47cum, with super plasticisers @ 3 liters cormixed, concrete laid in layers not exceeding 15 capedestrals, retaining walls, returnwalls, walls (any	e metal coarse aggregates forming to IS 9103-1999 roms thick, vibrated for all wo thickness) including attac	eafirmed-2008 a orks in foundation hed pilasters, co	t machine n for footings, lumnspillars,
13	@ 0.47cum, with super plasticisers @ 3 liters cormixed, concrete laid in layers not exceeding 15 cr	e metal coarse aggregates aforming to IS 9103-1999 rems thick, vibrated for all work thickness) including attacks & plinths etc including of	eafirmed-2008 a orks in foundation hed pilasters, co cost of all materia	t machine n for footings, lumnspillars,
13	@ 0.47cum, with super plasticisers @ 3 liters cormixed, concrete laid in layers not exceeding 15 capedestrals, retaining walls, returnwalls, walls (any posts, struts, buttresses, bed blocks, anchor bloc of machinery, curing, complete but excluding cos PWD 18-19,SI No.4.10,Pg No 14	e metal coarse aggregates aforming to IS 9103-1999 rems thick, vibrated for all work thickness) including attacks & plinths etc including of	eafirmed-2008 a orks in foundation hed pilasters, co cost of all materia pecifications.	t machine n for footings, lumnspillars, als, labour, HO
13	@ 0.47cum, with super plasticisers @ 3 liters cormixed, concrete laid in layers not exceeding 15 corpedestrals, retaining walls, returnwalls, walls (any posts, struts, buttresses, bed blocks, anchor block of machinery, curing, complete but excluding cost PWD 18-19,SI No.4.10,Pg No 14 Basic Rate	e metal coarse aggregates aforming to IS 9103-1999 rems thick, vibrated for all work thickness) including attacks & plinths etc including of	eafirmed-2008 a prks in foundation hed pilasters, co cost of all material pecifications.	t machine n for footings, lumnspillars, als, labour, HO
13	@ 0.47cum, with super plasticisers @ 3 liters cormixed, concrete laid in layers not exceeding 15 created pedestrals, retaining walls, returnwalls, walls (any posts, struts, buttresses, bed blocks, anchor block of machinery, curing, complete but excluding cos PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total	e metal coarse aggregates aforming to IS 9103-1999 rems thick, vibrated for all work thickness) including attacks & plinths etc including of	eafirmed-2008 a prks in foundation hed pilasters, co cost of all material pecifications. 6198.00	t machine n for footings, lumnspillars, als, labour, HO
13	 @ 0.47cum, with super plasticisers @ 3 liters cormixed, concrete laid in layers not exceeding 15 cropedestrals, retaining walls, returnwalls, walls (any posts, struts, buttresses, bed blocks, anchor block of machinery, curing, complete but excluding cos PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total add 10% For Area weightage 	e metal coarse aggregates iforming to IS 9103-1999 re ms thick, vibrated for all we thickness) including attac ks & plinths etc including of t of reinforcement as per s	eafirmed-2008 a prks in foundation hed pilasters, co cost of all material pecifications. 6198.00 619.80	t machine n for footings, lumnspillars, als, labour, HO
13	@ 0.47cum, with super plasticisers @ 3 liters cormixed, concrete laid in layers not exceeding 15 created pedestrals, retaining walls, returnwalls, walls (any posts, struts, buttresses, bed blocks, anchor block of machinery, curing, complete but excluding cos PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total	e metal coarse aggregates aforming to IS 9103-1999 rems thick, vibrated for all work thickness) including attacks & plinths etc including of	eafirmed-2008 a prks in foundation hed pilasters, co cost of all material pecifications. 6198.00	t machine n for footings, lumnspillars, als, labour, HO
13	@ 0.47cum, with super plasticisers @ 3 liters cormixed, concrete laid in layers not exceeding 15 capedestrals, retaining walls, returnwalls, walls (any posts, struts, buttresses, bed blocks, anchor block of machinery, curing, complete but excluding cosmology PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total add 10% For Area weightage Total	e metal coarse aggregates iforming to IS 9103-1999 rems thick, vibrated for all wo thickness) including attacks & plinths etc including of t of reinforcement as per s	eafirmed-2008 a prks in foundation hed pilasters, co cost of all material pecifications. 6198.00 619.80 6817.80	t machine n for footings, lumnspillars, als, labour, HO
13	 @ 0.47cum, with super plasticisers @ 3 liters cormixed, concrete laid in layers not exceeding 15 capedestrals, retaining walls, returnwalls, walls (any posts, struts, buttresses, bed blocks, anchor block of machinery, curing, complete but excluding cosmology PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total add 10% For Area weightage Total Providing TMT steel reinforcement for R.C.C wor 	e metal coarse aggregates forming to IS 9103-1999 rems thick, vibrated for all wo thickness) including attacks & plinths etc including of t of reinforcement as per s Rate k including straightening, of	eafirmed-2008 a prks in foundation hed pilasters, co cost of all material pecifications. 6198.00 6198 619.80 6817.80 cutting, bending,	t machine n for footings, lumnspillars, als, labour, HO Cum hooking, placir
13	 @ 0.47cum, with super plasticisers @ 3 liters cormixed, concrete laid in layers not exceeding 15 creation pedestrals, retaining walls, returnwalls, walls (any posts, struts, buttresses, bed blocks, anchor blocks of machinery, curing, complete but excluding costs PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total add 10% For Area weightage Total Providing TMT steel reinforcement for R.C.C wor in position, lapping and / or welding wherever required 	e metal coarse aggregates iforming to IS 9103-1999 rems thick, vibrated for all wo thickness) including attacks & plinths etc including of t of reinforcement as per s Rate k including straightening, of uired, tying with binding with	eafirmed-2008 a prks in foundation hed pilasters, co cost of all material pecifications. 6198.00 6198 619.80 6817.80 cutting, bending, re and anchoring	t machine n for footings, lumnspillars, als, labour, HO Cum hooking, placing to the adjoining
	 @ 0.47cum, with super plasticisers @ 3 liters cormixed, concrete laid in layers not exceeding 15 capedestrals, retaining walls, returnwalls, walls (any posts, struts, buttresses, bed blocks, anchor block of machinery, curing, complete but excluding cost PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total add 10% For Area weightage Total Providing TMT steel reinforcement for R.C.C wor in position, lapping and / or welding wherever requested members wherever necessary complete as per design. 	e metal coarse aggregates iforming to IS 9103-1999 runs thick, vibrated for all wo thickness) including attacks & plinths etc including of t of reinforcement as per s Rate k including straightening, of uired, tying with binding witesign (laps and wastage sl	eafirmed-2008 a porks in foundation hed pilasters, contost of all material pecifications. 6198.00 6198 619.80 6817.80 cutting, bending, re and anchoring hall not be meas	t machine n for footings, lumnspillars, als, labour, HO Cum hooking, placing to the adjoining ured and paid
13	 @ 0.47cum, with super plasticisers @ 3 liters cormixed, concrete laid in layers not exceeding 15 capedestrals, retaining walls, returnwalls, walls (any posts, struts, buttresses, bed blocks, anchor block of machinery, curing, complete but excluding cost PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total add 10% For Area weightage Total Providing TMT steel reinforcement for R.C.C wor in position, lapping and / or welding wherever requested members wherever necessary complete as per discost of materials, labour, HOM of machinery committees 	e metal coarse aggregates iforming to IS 9103-1999 runs thick, vibrated for all wo thickness) including attacks & plinths etc including of t of reinforcement as per s Rate k including straightening, of uired, tying with binding witesign (laps and wastage sl	eafirmed-2008 a porks in foundation hed pilasters, contost of all material pecifications. 6198.00 6198 619.80 6817.80 cutting, bending, re and anchoring hall not be meas	t machine n for footings, lumnspillars, als, labour, HO Cum hooking, placing to the adjoining ured and paid
	 @ 0.47cum, with super plasticisers @ 3 liters cormixed, concrete laid in layers not exceeding 15 capedestrals, retaining walls, returnwalls, walls (any posts, struts, buttresses, bed blocks, anchor block of machinery, curing, complete but excluding costed PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total add 10% For Area weightage Total Providing TMT steel reinforcement for R.C.C wor in position, lapping and / or welding wherever requested materials, labour, HOM of machinery comdirectinon of Engineer-in-Charge. FE 500 	e metal coarse aggregates iforming to IS 9103-1999 runs thick, vibrated for all wo thickness) including attacks & plinths etc including of t of reinforcement as per s Rate k including straightening, of uired, tying with binding witesign (laps and wastage sl	eafirmed-2008 a porks in foundation hed pilasters, contost of all material pecifications. 6198.00 6198 619.80 6817.80 cutting, bending, re and anchoring hall not be meas	t machine n for footings, lumnspillars, als, labour, HO Cum hooking, placing to the adjoining ured and paid
	 @ 0.47cum, with super plasticisers @ 3 liters cormixed, concrete laid in layers not exceeding 15 capedestrals, retaining walls, returnwalls, walls (any posts, struts, buttresses, bed blocks, anchor block of machinery, curing, complete but excluding cost PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total add 10% For Area weightage Total Providing TMT steel reinforcement for R.C.C wor in position, lapping and / or welding wherever requested members wherever necessary complete as per discost of materials, labour, HOM of machinery committees 	e metal coarse aggregates iforming to IS 9103-1999 runs thick, vibrated for all wo thickness) including attacks & plinths etc including of t of reinforcement as per s Rate k including straightening, of uired, tying with binding witesign (laps and wastage sl	eafirmed-2008 a porks in foundation hed pilasters, contost of all material pecifications. 6198.00 6198 619.80 6817.80 cutting, bending, re and anchoring hall not be meas	t machine n for footings, lumnspillars, als, labour, HO Cum hooking, placing to the adjoining ured and paid
	 @ 0.47cum, with super plasticisers @ 3 liters cormixed, concrete laid in layers not exceeding 15 capedestrals, retaining walls, returnwalls, walls (any posts, struts, buttresses, bed blocks, anchor block of machinery, curing, complete but excluding costed PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total add 10% For Area weightage Total Providing TMT steel reinforcement for R.C.C wor in position, lapping and / or welding wherever requested materials, labour, HOM of machinery comdirectinon of Engineer-in-Charge. FE 500 	e metal coarse aggregates iforming to IS 9103-1999 runs thick, vibrated for all wo thickness) including attacks & plinths etc including of t of reinforcement as per s Rate k including straightening, of uired, tying with binding witesign (laps and wastage sl	eafirmed-2008 a porks in foundation hed pilasters, contost of all material pecifications. 6198.00 6198 619.80 6817.80 cutting, bending, re and anchoring hall not be meas	t machine n for footings, lumnspillars, als, labour, HO Cum hooking, placing to the adjoining ured and paid tions and
	 @ 0.47cum, with super plasticisers @ 3 liters cormixed, concrete laid in layers not exceeding 15 capedestrals, retaining walls, returnwalls, walls (any posts, struts, buttresses, bed blocks, anchor block of machinery, curing, complete but excluding costed PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total add 10% For Area weightage Total Providing TMT steel reinforcement for R.C.C wor in position, lapping and / or welding wherever requested members wherever necessary complete as per direction of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate 	e metal coarse aggregates iforming to IS 9103-1999 runs thick, vibrated for all wo thickness) including attacks & plinths etc including of t of reinforcement as per s Rate k including straightening, of uired, tying with binding witesign (laps and wastage sl	eafirmed-2008 a porks in foundation hed pilasters, co cost of all material pecifications. 6198.00 6198 619.80 6817.80 cutting, bending, re and anchoring hall not be meas as per specificat	t machine n for footings, lumnspillars, als, labour, HO Cum hooking, placii g to the adjoinii ured and paid tions and
	 @ 0.47cum, with super plasticisers @ 3 liters cormixed, concrete laid in layers not exceeding 15 creations of pedestrals, retaining walls, returnwalls, walls (any posts, struts, buttresses, bed blocks, anchor blocks of machinery, curing, complete but excluding costed PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total add 10% For Area weightage Total Providing TMT steel reinforcement for R.C.C wor in position, lapping and / or welding wherever requents wherever necessary complete as per dost of materials, labour, HOM of machinery comdirectinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total 	e metal coarse aggregates iforming to IS 9103-1999 runs thick, vibrated for all wo thickness) including attacks & plinths etc including of t of reinforcement as per s Rate k including straightening, of uired, tying with binding witesign (laps and wastage sl	eafirmed-2008 a porks in foundation hed pilasters, co cost of all material pecifications. 6198.00 6198 619.80 6817.80 cutting, bending, re and anchoring hall not be meas as per specificate 70782.00 70782	t machine n for footings, lumnspillars, als, labour, HO Cum hooking, placing to the adjoining and paid; stions and
	 @ 0.47cum, with super plasticisers @ 3 liters cormixed, concrete laid in layers not exceeding 15 creation pedestrals, retaining walls, returnwalls, walls (any posts, struts, buttresses, bed blocks, anchor blocks of machinery, curing, complete but excluding coses PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total add 10% For Area weightage Total Providing TMT steel reinforcement for R.C.C wor in position, lapping and / or welding wherever requented members wherever necessary complete as per dost of materials, labour, HOM of machinery communication of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage 	e metal coarse aggregates iforming to IS 9103-1999 runs thick, vibrated for all wo rethickness) including attacks & plinths etc including of t of reinforcement as per s Rate k including straightening, of uired, tying with binding with esign (laps and wastage sl plete with all lead lifts and	eafirmed-2008 a prks in foundation hed pilasters, co cost of all material pecifications. 6198.00 6198 619.80 6817.80 cutting, bending, re and anchoring hall not be meas as per specificate 70782.00 70782 7078.20	t machine n for footings, lumnspillars, als, labour, HO Cum hooking, placing to the adjoining ured and paid tions and
	 @ 0.47cum, with super plasticisers @ 3 liters cormixed, concrete laid in layers not exceeding 15 creations of pedestrals, retaining walls, returnwalls, walls (any posts, struts, buttresses, bed blocks, anchor blocks of machinery, curing, complete but excluding costed PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total add 10% For Area weightage Total Providing TMT steel reinforcement for R.C.C wor in position, lapping and / or welding wherever requents wherever necessary complete as per dost of materials, labour, HOM of machinery comdirectinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total 	e metal coarse aggregates iforming to IS 9103-1999 runs thick, vibrated for all wo thickness) including attacks & plinths etc including of t of reinforcement as per s Rate k including straightening, of uired, tying with binding witesign (laps and wastage sl	eafirmed-2008 a porks in foundation hed pilasters, co cost of all material pecifications. 6198.00 6198 619.80 6817.80 cutting, bending, re and anchoring hall not be meas as per specificate 70782.00 70782	t machine n for footings, lumnspillars, als, labour, HC Cum hooking, placing to the adjoining and paid tions and
	 @ 0.47cum, with super plasticisers @ 3 liters cormixed, concrete laid in layers not exceeding 15 capedestrals, retaining walls, returnwalls, walls (any posts, struts, buttresses, bed blocks, anchor block of machinery, curing, complete but excluding cose PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total add 10% For Area weightage Total Providing TMT steel reinforcement for R.C.C wor in position, lapping and / or welding wherever requents materials, labour, HOM of machinery comdirectinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage Total 	e metal coarse aggregates aforming to IS 9103-1999 runs thick, vibrated for all wo to thickness) including attacks & plinths etc including of t of reinforcement as per s Rate k including straightening, of uired, tying with binding with esign (laps and wastage sl plete with all lead lifts and Rate	eafirmed-2008 a porks in foundation hed pilasters, contest of all material pecifications. 6198.00 6198 619.80 6817.80 cutting, bending, re and anchoring hall not be meass as per specificat 70782.00 70782 7078.20 77860.20	t machine n for footings, lumnspillars, als, labour, HO Cum hooking, placing to the adjoining ured and paid tions and
	 @ 0.47cum, with super plasticisers @ 3 liters cormixed, concrete laid in layers not exceeding 15 created pedestrals, retaining walls, returnwalls, walls (any posts, struts, buttresses, bed blocks, anchor blocks of machinery, curing, complete but excluding costed PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total add 10% For Area weightage Total Providing TMT steel reinforcement for R.C.C wor in position, lapping and / or welding wherever requent members wherever necessary complete as per dost of materials, labour, HOM of machinery comdirectinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing, centering, shuttering, street 	e metal coarse aggregates aforming to IS 9103-1999 runs thick, vibrated for all wo to thickness) including attacks & plinths etc including of t of reinforcement as per s Rate Rate Rate Rate Rate Rate Rate	eafirmed-2008 a porks in foundation hed pilasters, co cost of all material pecifications. 6198.00 6198 619.80 6817.80 cutting, bending, re and anchoring hall not be meas as per specificate 70782.00 70782 7078.20 77860.20 emoval of form ween the property of the period of the perio	t machine n for footings, lumnspillars, als, labour, HO Cum hooking, placing to the adjoining ured and paid tions and
14	 @ 0.47cum, with super plasticisers @ 3 liters cormixed, concrete laid in layers not exceeding 15 capedestrals, retaining walls, returnwalls, walls (any posts, struts, buttresses, bed blocks, anchor block of machinery, curing, complete but excluding cost PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total add 10% For Area weightage Total Providing TMT steel reinforcement for R.C.C wor in position, lapping and / or welding wherever requent members wherever necessary complete as per dost of materials, labour, HOM of machinery comdirectinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing, centering, shuttering, strutoundations, footings, bases of columns for mass 	e metal coarse aggregates aforming to IS 9103-1999 runs thick, vibrated for all wo to thickness) including attacks & plinths etc including of t of reinforcement as per s Rate Rate Rate Rate Rate Rate Rate	eafirmed-2008 a porks in foundation hed pilasters, co cost of all material pecifications. 6198.00 6198 619.80 6817.80 cutting, bending, re and anchoring hall not be meas as per specificate 70782.00 70782 7078.20 77860.20 emoval of form ween the property of the period of the perio	t machine n for footings, lumnspillars, als, labour, HO Cum hooking, placing to the adjoining ured and paid tions and
	 @ 0.47cum, with super plasticisers @ 3 liters cormixed, concrete laid in layers not exceeding 15 corpedestrals, retaining walls, returnwalls, walls (any posts, struts, buttresses, bed blocks, anchor block of machinery, curing, complete but excluding cost PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total add 10% For Area weightage Total Providing TMT steel reinforcement for R.C.C wor in position, lapping and / or welding wherever requested members wherever necessary complete as per docost of materials, labour, HOM of machinery comdirectinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing, centering, shuttering, strutoundations, footings, bases of columns for mass as per specifications 	e metal coarse aggregates aforming to IS 9103-1999 runs thick, vibrated for all wo to thickness) including attacks & plinths etc including of t of reinforcement as per s Rate Rate Rate Rate Rate Rate Rate	eafirmed-2008 a porks in foundation hed pilasters, co cost of all material pecifications. 6198.00 6198 619.80 6817.80 cutting, bending, re and anchoring hall not be meas as per specificate 70782.00 70782 7078.20 77860.20 emoval of form ween the property of the period of the perio	t machine n for footings, lumnspillars, als, labour, HO Cum hooking, placing to the adjoining ured and paid tions and
14	 @ 0.47cum, with super plasticisers @ 3 liters cormixed, concrete laid in layers not exceeding 15 capedestrals, retaining walls, returnwalls, walls (any posts, struts, buttresses, bed blocks, anchor block of machinery, curing, complete but excluding cost PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total add 10% For Area weightage Total Providing TMT steel reinforcement for R.C.C wor in position, lapping and / or welding wherever requent members wherever necessary complete as per dost of materials, labour, HOM of machinery comdirectinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing, centering, shuttering, strutoundations, footings, bases of columns for mass 	e metal coarse aggregates aforming to IS 9103-1999 runs thick, vibrated for all wo to thickness) including attacks & plinths etc including of t of reinforcement as per s Rate Rate Rate Rate Rate Rate Rate	eafirmed-2008 a porks in foundation hed pilasters, co cost of all material pecifications. 6198.00 6198 619.80 6817.80 cutting, bending, re and anchoring hall not be meas as per specificate 70782.00 70782 7078.20 77860.20 emoval of form ween the property of the period of the perio	t machine n for footings, lumnspillars, als, labour, HO Cum hooking, placing to the adjoining ured and paid tions and
14	 @ 0.47cum, with super plasticisers @ 3 liters cormixed, concrete laid in layers not exceeding 15 corpedestrals, retaining walls, returnwalls, walls (any posts, struts, buttresses, bed blocks, anchor block of machinery, curing, complete but excluding cost PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total add 10% For Area weightage Total Providing TMT steel reinforcement for R.C.C wor in position, lapping and / or welding wherever requested members wherever necessary complete as per docost of materials, labour, HOM of machinery comdirectinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing, centering, shuttering, strutoundations, footings, bases of columns for mass as per specifications 	e metal coarse aggregates aforming to IS 9103-1999 runs thick, vibrated for all wo to thickness) including attacks & plinths etc including of t of reinforcement as per s Rate Rate Rate Rate Rate Rate Rate	eafirmed-2008 a porks in foundation hed pilasters, co cost of all material pecifications. 6198.00 6198 619.80 6817.80 cutting, bending, re and anchoring hall not be meas as per specificate 70782.00 70782 7078.20 77860.20 emoval of form ween the property of the period of the perio	t machine n for footings, lumnspillars, als, labour, HO Cum hooking, placing to the adjoining and paid) tions and
14	 @ 0.47cum, with super plasticisers @ 3 liters cormixed, concrete laid in layers not exceeding 15 created pedestrals, retaining walls, returnwalls, walls (any posts, struts, buttresses, bed blocks, anchor block of machinery, curing, complete but excluding costs PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total add 10% For Area weightage Total Providing TMT steel reinforcement for R.C.C wor in position, lapping and / or welding wherever requenters wherever necessary complete as per direction of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing, centering, shuttering, strutoundations, footings, bases of columns for mass as per specifications PWD 18-19,SI No.4.28,Pg No 16 	e metal coarse aggregates aforming to IS 9103-1999 runs thick, vibrated for all wo to thickness) including attacks & plinths etc including of t of reinforcement as per s Rate Rate Rate Rate Rate Rate Rate	eafirmed-2008 a porks in foundation hed pilasters, co cost of all material pecifications. 6198.00 6198 619.80 6817.80 cutting, bending, re and anchoring hall not be meas as per specificate 70782.00 70782 7078.20 77860.20 emoval of form we fall materials, late 263.00	t machine n for footings, lumnspillars, als, labour, HO Cum hooking, placir to the adjoinir ured and paid) tions and MT work for cour complete
14	 @ 0.47cum, with super plasticisers @ 3 liters cormixed, concrete laid in layers not exceeding 15 cm pedestrals, retaining walls, returnwalls, walls (any posts, struts, buttresses, bed blocks, anchor block of machinery, curing, complete but excluding cose PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total add 10% For Area weightage Total Providing TMT steel reinforcement for R.C.C wor in position, lapping and / or welding wherever requents wherever necessary complete as per dost of materials, labour, HOM of machinery comdirectinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing, centering, shuttering, stress foundations, footings, bases of columns for mass as per specifications PWD 18-19,SI No.4.28,Pg No 16 Basic Rate Sub Total 	e metal coarse aggregates aforming to IS 9103-1999 runs thick, vibrated for all wo to thickness) including attacks & plinths etc including of t of reinforcement as per s Rate Rate Rate Rate Rate Rate Rate	eafirmed-2008 a prks in foundation hed pilasters, co cost of all material pecifications. 6198.00 6198 619.80 6817.80 cutting, bending, re and anchoring hall not be meas as per specificate as per specificate 70782.00 70782 70782.00 70782 7078.20 70783.20 70783.20 70783.20 70783.20 70783.20 70783.20 70783.20 70783.20 70783.20 70783.20 70783.20	t machine n for footings, lumnspillars, als, labour, HO Cum hooking, placir g to the adjoinir ured and paid) tions and MT work for cour complete
14	 @ 0.47cum, with super plasticisers @ 3 liters cormixed, concrete laid in layers not exceeding 15 compedestrals, retaining walls, returnwalls, walls (any posts, struts, buttresses, bed blocks, anchor block of machinery, curing, complete but excluding cosmos PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total add 10% For Area weightage Total Providing TMT steel reinforcement for R.C.C wor in position, lapping and / or welding wherever requents wherever necessary complete as per dost of materials, labour, HOM of machinery comdirectinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing, centering, shuttering, strate foundations, footings, bases of columns for mass as per specifications PWD 18-19,SI No.4.28,Pg No 16 Basic Rate Basic Rate 	e metal coarse aggregates aforming to IS 9103-1999 runs thick, vibrated for all wo to thickness) including attacks & plinths etc including of t of reinforcement as per s Rate Rate Rate Rate Rate Rate Rate	eafirmed-2008 a porks in foundation hed pilasters, co cost of all material pecifications. 6198.00 6198 619.80 6817.80 cutting, bending, re and anchoring hall not be meas as per specificate 70782.00 70782 7078.20 77860.20 emoval of form we fall materials, late 263.00	t machine n for footings, lumnspillars, als, labour, HO Cum hooking, placing to the adjoining ured and paid) tions and MT work for cour complete

16	Providing and removing centering, shuttering, surface such as walls at any thickness, includ cost of all materials, labour complete as per s PWD 18-19,SI No.4.31,Pg No 16	ing attached pilasters, buttresse		
	Basic Rate		361.00	
	Sub Total		361	
	add 10% For Area weightage		36.10	
	Total	Rate	397.10 Sqm	
		<u> </u>	• •	
17	KSRRB M2200 - Providing Weep holes Provided concrete abutment, wing wall / return wall with structure with slope of 1V:20H towards drawing complete as per specifications. PWD 18-19,SI No.28.10,Pg No 229	n 100mm dia AC pipe, extendir	ng through the full width of t	
	Basic Rate		147.00	
	Sub Total		147	
	add 10% For Area weightage		14.70	
	Total	Rate	161.70 Nos	
		1	-1	
18	compacting each deposited layer by ramming including cost of all labour complete as per sp PWD 18-19,SI No.2.11,Pg No 7			
	Basic Rate		120.00	
	Sub Total		120	
	add 10% For Area weightage		12.00	
10	Providing and fixing unplasticised PVC pipe making good the floor, including cost of all making good the floor.	• • • • • •		•
19	Providing and fixing unplasticised PVC pipe making good the floor, including cost of all maspecifications. KSRB 18-19,Pg No.77,SI No.11.56.2 do- with 110mm outer dia	es with working pressure 10 kg.	/sq.cm with pipe fittings, cl and testing complete as pe	•
19	Providing and fixing unplasticised PVC pipe making good the floor, including cost of all maspecifications. KSRB 18-19,Pg No.77,SI No.11.56.2 do- with 110mm outer dia Basic Rate	es with working pressure 10 kg.	/sq.cm with pipe fittings, cl	•
19	Providing and fixing unplasticised PVC pipe making good the floor, including cost of all maspecifications. KSRB 18-19,Pg No.77,SI No.11.56.2 do- with 110mm outer dia	es with working pressure 10 kg.	/sq.cm with pipe fittings, cl and testing complete as pe	•
19	Providing and fixing unplasticised PVC pipe making good the floor, including cost of all maspecifications. KSRB 18-19,Pg No.77,SI No.11.56.2 do- with 110mm outer dia Basic Rate	es with working pressure 10 kg.	/sq.cm with pipe fittings, cl and testing complete as pe 606.00 606 60.60	•
19	Providing and fixing unplasticised PVC pipe making good the floor, including cost of all maspecifications. KSRB 18-19,Pg No.77,SI No.11.56.2 do- with 110mm outer dia Basic Rate Sub Total	es with working pressure 10 kg.	/sq.cm with pipe fittings, cl and testing complete as pe 606.00	•
19	Providing and fixing unplasticised PVC pipe making good the floor, including cost of all maspecifications. KSRB 18-19,Pg No.77,Sl No.11.56.2 do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage	es with working pressure 10 kg aterials, labour charges, HOM Rate for road gully cover including fix	/sq.cm with pipe fittings, cl and testing complete as per 606.00 606 60.60 666.60 Rmt	er
	Providing and fixing unplasticised PVC pipe making good the floor, including cost of all maspecifications. KSRB 18-19,Pg No.77,SI No.11.56.2 do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) Plastering 20mm thick to all exposed faces cuexcluding cost of concrete etc,completete	es with working pressure 10 kg aterials, labour charges, HOM Rate for road gully cover including fix	/sq.cm with pipe fittings, cl and testing complete as per 606.00 606 60.60 666.60 Rmt	er
	Providing and fixing unplasticised PVC pipe making good the floor, including cost of all maspecifications. KSRB 18-19,Pg No.77,SI No.11.56.2 do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) Plastering 20mm thick to all exposed faces cuexcluding cost of concrete etc,completete (As Per EOI) Basic Rate	es with working pressure 10 kg aterials, labour charges, HOM Rate for road gully cover including fix	/sq.cm with pipe fittings, cl and testing complete as per 606.00 60.60 666.60 Rmt sing the cover and CM 1:3 cluding cost of plastering but	er
	Providing and fixing unplasticised PVC pipe making good the floor, including cost of all maspecifications. KSRB 18-19,Pg No.77,Sl No.11.56.2 do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) Plastering 20mm thick to all exposed faces cuexcluding cost of concrete etc,completete (As Per EOI) Basic Rate Sub Total	es with working pressure 10 kg aterials, labour charges, HOM Rate for road gully cover including fix uring for 90 days with all lead inc	/sq.cm with pipe fittings, cl and testing complete as per 606.00 606 60.60 666.60 Rmt sing the cover and CM 1:3 cluding cost of plastering but 893.00 893	er
	Providing and fixing unplasticised PVC pipe making good the floor, including cost of all maspecifications. KSRB 18-19,Pg No.77,SI No.11.56.2 do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) Plastering 20mm thick to all exposed faces cuexcluding cost of concrete etc,completete (As Per EOI) Basic Rate	Rate Faste Calculate and less in walls, ceiling sin proper shape and replaste	/sq.cm with pipe fittings, cl and testing complete as per 606.00 606 60.60 666.60 Rmt cluding cost of plastering but 893.00 893 893.00 Each	t
20	Providing and fixing unplasticised PVC pipe making good the floor, including cost of all maspecifications. KSRB 18-19,Pg No.77,Sl No.11.56.2 do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing Cl Grating (325 x 325mm) Plastering 20mm thick to all exposed faces concentually exposed faces con	Rate Faste Calculate and less in walls, ceiling sin proper shape and replaste	/sq.cm with pipe fittings, cl and testing complete as per 606.00 60.60 666.60 Rmt ting the cover and CM 1:3 cluding cost of plastering but 893.00 893 893.00 Each Ings 10 to 20mm thick in ring the surface of the wall rials, labour, complete as per	t
20	Providing and fixing unplasticised PVC pipe making good the floor, including cost of all maspecifications. KSRB 18-19,Pg No.77,Sl No.11.56.2 do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) Plastering 20mm thick to all exposed faces concept acceptable (As Per EOI) Basic Rate Sub Total KSRB 24-44: Repairs to plaster in patches of cement mortar 1:4 including cutting the patches including disposal of rubbish with a lead of 50 specifications. Specification No.KBS 24.2.1 PWD 18-19,Sl No.16.39,Pg No 133 Basic Rate	Rate Faste Calculate and less in walls, ceiling sin proper shape and replaste	/sq.cm with pipe fittings, cl and testing complete as per 606.00 60.60 666.60 Rmt sing the cover and CM 1:3 cluding cost of plastering but 893.00 893 893.00 Each engs 10 to 20mm thick in ring the surface of the wall rials, labour, complete as per	t
20	Providing and fixing unplasticised PVC pipe making good the floor, including cost of all maspecifications. KSRB 18-19,Pg No.77,Sl No.11.56.2 do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) Plastering 20mm thick to all exposed faces cuexcluding cost of concrete etc,completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44: Repairs to plaster in patches of cement mortar 1:4 including cutting the patche including disposal of rubbish with a lead of 50 specifications. Specification No.KBS 24.2.1 PWD 18-19,Sl No.16.39,Pg No 133 Basic Rate Sub Total	Rate Faste Calculate and less in walls, ceiling sin proper shape and replaste	606.00 606 60.60 666.60 Rmt sing the cover and CM 1:3 cluding cost of plastering but 893.00 893 893.00 Each and testing complete as perfectly a surface of the wall rials, labour, complete as perfectly a surface of the wall rials.	t
20	Providing and fixing unplasticised PVC pipe making good the floor, including cost of all maspecifications. KSRB 18-19,Pg No.77,Sl No.11.56.2 do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) Plastering 20mm thick to all exposed faces concept acceptable (As Per EOI) Basic Rate Sub Total KSRB 24-44: Repairs to plaster in patches of cement mortar 1:4 including cutting the patches including disposal of rubbish with a lead of 50 specifications. Specification No.KBS 24.2.1 PWD 18-19,Sl No.16.39,Pg No 133 Basic Rate	Rate Faste Calculate and less in walls, ceiling sin proper shape and replaste	/sq.cm with pipe fittings, cl and testing complete as per 606.00 60.60 666.60 Rmt sing the cover and CM 1:3 cluding cost of plastering but 893.00 893 893.00 Each engs 10 to 20mm thick in ring the surface of the wall rials, labour, complete as per	t

	Providing and fixing Special make glazed Vitrifie	d tiles (Cranomita finish) of	approved make guality and
	colour of size 600x600x10mm thick fixed on exist	,	
22	skirting etc., complete including providing spears		
	(P.No. 109, I.No. 14.43 of SR 2018-19).	s at required interval and ren	loving stains etc., complete.
	Basic Rate		1320.00
	Sub Total	+	
			1320
	Add 10% For Area weightage Total	Pete	132.00
	Total	Rate	1452.00 Sqm
	Providing and laying of teak wooden polished flo	oring of 12mm thick high do	anaity timber of approved color
	and design with end trims, transition, profiles, be	•	• • • • • • • • • • • • • • • • • • • •
23	4mm thick foam underlay etc.,	sading, 15mm thick left, and	20 micron polyester min with
	(P.No.113, I.No.14.70 of PWD SR 2018-19)		
	,		4000 001
	Basic Rate		4800.00
	Sub Total		4800
	Add 10% For Area weightage		480.00
	Total	Rate	5280.00 Sqm
	KSRB 14.14-5: Providing Ceramic tiles of appro	The state of the s	•
	landings laid on a bed of 12mm thick, cement m		
24	pigment, including cost of materials, labour, cur	ing, complete as per specific	cations for Ceramic Tiles of
	size 30x30cms 6mm thick.		
	PWD 18-19,SI No.14.36.2,Pg No.107 and 108		
	Basic Rate		1211.00
			1211.00 1211
	Basic Rate		
	Basic Rate Sub Total	Rate	1211
	Basic Rate Sub Total Add 10% For Area weightage	Rate	1211 121.10
	Basic Rate Sub Total Add 10% For Area weightage	•	1211 121.10 1332.10 Sqm
	Basic Rate Sub Total Add 10% For Area weightage Total Providing and laying pattern flooring for staircas ruby red granite @ 66%,20 mm thick grey granit	e treads and risers using the e @ 20%, 20mm thick, 20mi	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. The
25	Basic Rate Sub Total Add 10% For Area weightage Total Providing and laying pattern flooring for staircas ruby red granite @ 66%,20 mm thick grey granit granite materials are laid on existing bed of CM	e treads and risers using the e @ 20%, 20mm thick, 20mm 1:3 20mm thick pointed with	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. The colour pigment, including full
25	Basic Rate Sub Total Add 10% For Area weightage Total Providing and laying pattern flooring for staircas ruby red granite @ 66%,20 mm thick grey granit granite materials are laid on existing bed of CM rounding for nosing, flaming the ruby red granite	e treads and risers using the e @ 20%, 20mm thick, 20mm 1:3 20mm thick pointed with	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. The colour pigment, including full
25	Basic Rate Sub Total Add 10% For Area weightage Total Providing and laying pattern flooring for staircas ruby red granite @ 66%,20 mm thick grey granit granite materials are laid on existing bed of CM	e treads and risers using the e @ 20%, 20mm thick, 20mm 1:3 20mm thick pointed with	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. The colour pigment, including full
25	Basic Rate Sub Total Add 10% For Area weightage Total Providing and laying pattern flooring for staircas ruby red granite @ 66%,20 mm thick grey granit granite materials are laid on existing bed of CM rounding for nosing, flaming the ruby red granite	e treads and risers using the e @ 20%, 20mm thick, 20mm 1:3 20mm thick pointed with	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. The colour pigment, including full
25	Basic Rate Sub Total Add 10% For Area weightage Total Providing and laying pattern flooring for staircas ruby red granite @ 66%,20 mm thick grey granit granite materials are laid on existing bed of CM rounding for nosing, flaming the ruby red granite (P.No. 109, I.No. 14.46 of PWD SR 2018-19)	e treads and risers using the e @ 20%, 20mm thick, 20mm 1:3 20mm thick pointed with	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. The colour pigment, including full complete as per specification.
25	Basic Rate Sub Total Add 10% For Area weightage Total Providing and laying pattern flooring for staircas ruby red granite @ 66%,20 mm thick grey granit granite materials are laid on existing bed of CM rounding for nosing, flaming the ruby red granite (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total	e treads and risers using the e @ 20%, 20mm thick, 20mm 1:3 20mm thick pointed with	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. The colour pigment, including full complete as per specification. 7195.00
25	Basic Rate Sub Total Add 10% For Area weightage Total Providing and laying pattern flooring for staircas ruby red granite @ 66%,20 mm thick grey granit granite materials are laid on existing bed of CM rounding for nosing, flaming the ruby red granite (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate	e treads and risers using the e @ 20%, 20mm thick, 20mm 1:3 20mm thick pointed with	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. The colour pigment, including full complete as per specification. 7195.00 7195
25	Basic Rate Sub Total Add 10% For Area weightage Total Providing and laying pattern flooring for staircas ruby red granite @ 66%,20 mm thick grey granit granite materials are laid on existing bed of CM rounding for nosing, flaming the ruby red granite (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage	e treads and risers using the e @ 20%, 20mm thick, 20mm 1:3 20mm thick pointed with for 50 mm wide curing etc.,	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. The colour pigment, including full complete as per specification. 7195.00 7195 719.50
	Basic Rate Sub Total Add 10% For Area weightage Total Providing and laying pattern flooring for staircas ruby red granite @ 66%,20 mm thick grey granit granite materials are laid on existing bed of CM rounding for nosing, flaming the ruby red granite (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total	e treads and risers using the e @ 20%, 20mm thick, 20mm 1:3 20mm thick pointed with for 50 mm wide curing etc.,	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. The colour pigment, including full complete as per specification. 7195.00 7195 719.50
25	Basic Rate Sub Total Add 10% For Area weightage Total Providing and laying pattern flooring for staircas ruby red granite @ 66%,20 mm thick grey granit granite materials are laid on existing bed of CM rounding for nosing, flaming the ruby red granite (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total Repairing door and window frames with available	e treads and risers using the e @ 20%, 20mm thick, 20mm 1:3 20mm thick pointed with for 50 mm wide curing etc.,	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. The colour pigment, including full complete as per specification. 7195.00 7195 719.50
	Basic Rate Sub Total Add 10% For Area weightage Total Providing and laying pattern flooring for staircas ruby red granite @ 66%,20 mm thick grey granit granite materials are laid on existing bed of CM rounding for nosing, flaming the ruby red granite (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total Repairing door and window frames with available PWD 18-19,SI No.37.12,Pg No 267	e treads and risers using the e @ 20%, 20mm thick, 20mm 1:3 20mm thick pointed with for 50 mm wide curing etc.,	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. The colour pigment, including full complete as per specification. 7195.00 7195 719.50 7914.50 Sqm
	Basic Rate Sub Total Add 10% For Area weightage Total Providing and laying pattern flooring for staircas ruby red granite @ 66%,20 mm thick grey granit granite materials are laid on existing bed of CM rounding for nosing, flaming the ruby red granite (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total Repairing door and window frames with available PWD 18-19,SI No.37.12,Pg No 267 Basic Rate	e treads and risers using the e @ 20%, 20mm thick, 20mm 1:3 20mm thick pointed with for 50 mm wide curing etc.,	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. The colour pigment, including full complete as per specification. 7195.00 7195 719.50 7914.50 Sqm
	Basic Rate Sub Total Add 10% For Area weightage Total Providing and laying pattern flooring for staircas ruby red granite @ 66%,20 mm thick grey granit granite materials are laid on existing bed of CM rounding for nosing, flaming the ruby red granite (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total Repairing door and window frames with available PWD 18-19,SI No.37.12,Pg No 267 Basic Rate Sub Total	e treads and risers using the e @ 20%, 20mm thick, 20mm 1:3 20mm thick pointed with for 50 mm wide curing etc.,	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. The colour pigment, including full complete as per specification. 7195.00 7195 719.50 7914.50 Sqm
	Basic Rate Sub Total Add 10% For Area weightage Total Providing and laying pattern flooring for staircas ruby red granite @ 66%,20 mm thick grey granit granite materials are laid on existing bed of CM rounding for nosing, flaming the ruby red granite (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total Repairing door and window frames with availabl PWD 18-19,SI No.37.12,Pg No 267 Basic Rate Sub Total Add 10% For Area weightage	e treads and risers using the e @ 20%, 20mm thick, 20mm 1:3 20mm thick pointed with for 50 mm wide curing etc., Rate e wood to the required size.	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. The colour pigment, including full complete as per specification. 7195.00 7195 719.50 7914.50 Sqm
	Basic Rate Sub Total Add 10% For Area weightage Total Providing and laying pattern flooring for staircas ruby red granite @ 66%,20 mm thick grey granit granite materials are laid on existing bed of CM rounding for nosing, flaming the ruby red granite (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total Repairing door and window frames with available PWD 18-19,SI No.37.12,Pg No 267 Basic Rate Sub Total	e treads and risers using the e @ 20%, 20mm thick, 20mm 1:3 20mm thick pointed with for 50 mm wide curing etc.,	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. The colour pigment, including full complete as per specification. 7195.00 7195 719.50 7914.50 Sqm
	Basic Rate Sub Total Add 10% For Area weightage Total Providing and laying pattern flooring for staircas ruby red granite @ 66%,20 mm thick grey granit granite materials are laid on existing bed of CM rounding for nosing, flaming the ruby red granite (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total Repairing door and window frames with availabl PWD 18-19,SI No.37.12,Pg No 267 Basic Rate Sub Total Add 10% For Area weightage Total	e treads and risers using the e @ 20%, 20mm thick, 20mm 1:3 20mm thick pointed with for 50 mm wide curing etc., Rate Rate Rate	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. The colour pigment, including full complete as per specification. 7195.00 7195 719.50 7914.50 Sqm 685.00 685 68.50 753.50 Sqm
	Basic Rate Sub Total Add 10% For Area weightage Total Providing and laying pattern flooring for staircas ruby red granite @ 66%,20 mm thick grey granit granite materials are laid on existing bed of CM rounding for nosing, flaming the ruby red granite (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total Repairing door and window frames with availabl PWD 18-19,SI No.37.12,Pg No 267 Basic Rate Sub Total Add 10% For Area weightage Total Repairing and fixing shutters (panelled or glazed	e treads and risers using the e @ 20%, 20mm thick, 20mm 1:3 20mm thick pointed with for 50 mm wide curing etc., Rate Rate Rate	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. The colour pigment, including full complete as per specification. 7195.00 7195 719.50 7914.50 Sqm 685.00 685 68.50 753.50 Sqm
26	Basic Rate Sub Total Add 10% For Area weightage Total Providing and laying pattern flooring for staircas ruby red granite @ 66%,20 mm thick grey granite granite materials are laid on existing bed of CM rounding for nosing, flaming the ruby red granite (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total Repairing door and window frames with available PWD 18-19,SI No.37.12,Pg No 267 Basic Rate Sub Total Add 10% For Area weightage Total Repairing and fixing shutters (panelled or glazed PWD 18-19,SI No.37.13,Pg No.267	e treads and risers using the e @ 20%, 20mm thick, 20mm 1:3 20mm thick pointed with for 50 mm wide curing etc., Rate Rate Rate	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. The colour pigment, including full complete as per specification. 7195.00 7195 719.50 7914.50 Sqm 685.00 685 68.50 753.50 Sqm
26	Basic Rate Sub Total Add 10% For Area weightage Total Providing and laying pattern flooring for staircas ruby red granite @ 66%,20 mm thick grey granite granite materials are laid on existing bed of CM rounding for nosing, flaming the ruby red granite (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total Repairing door and window frames with available PWD 18-19,SI No.37.12,Pg No 267 Basic Rate Sub Total Add 10% For Area weightage Total Repairing and fixing shutters (panelled or glazed PWD 18-19,SI No.37.13,Pg No.267 Basic Material Rate	e treads and risers using the e @ 20%, 20mm thick, 20mm 1:3 20mm thick pointed with for 50 mm wide curing etc., Rate Rate Rate	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. The colour pigment, including full complete as per specification. 7195.00 7195 719.50 7914.50 Sqm 685.00 685 68.50 753.50 Sqm ors and cupboards.
26	Basic Rate Sub Total Add 10% For Area weightage Total Providing and laying pattern flooring for staircas ruby red granite @ 66%,20 mm thick grey granit granite materials are laid on existing bed of CM rounding for nosing, flaming the ruby red granite (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total Repairing door and window frames with available PWD 18-19,SI No.37.12,Pg No 267 Basic Rate Sub Total Add 10% For Area weightage Total Repairing and fixing shutters (panelled or glazed PWD 18-19,SI No.37.13,Pg No.267 Basic Material Rate Sub Total	e treads and risers using the e @ 20%, 20mm thick, 20mm 1:3 20mm thick pointed with for 50 mm wide curing etc., Rate Rate Rate	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. The colour pigment, including full complete as per specification. 7195.00 7195 719.50 7914.50 Sqm 685.00 685 68.50 753.50 Sqm
26	Basic Rate Sub Total Add 10% For Area weightage Total Providing and laying pattern flooring for staircas ruby red granite @ 66%,20 mm thick grey granite granite materials are laid on existing bed of CM rounding for nosing, flaming the ruby red granite (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total Repairing door and window frames with available PWD 18-19,SI No.37.12,Pg No 267 Basic Rate Sub Total Add 10% For Area weightage Total Repairing and fixing shutters (panelled or glazed PWD 18-19,SI No.37.13,Pg No.267 Basic Material Rate	e treads and risers using the e @ 20%, 20mm thick, 20mm 1:3 20mm thick pointed with for 50 mm wide curing etc., Rate Rate Rate	1211 121.10 1332.10 Sqm combination of 20mm thick m thick black granite 14%. The colour pigment, including full complete as per specification. 7195.00 7195 719.50 7914.50 Sqm 685.00 685 68.50 753.50 Sqm ors and cupboards.

28	KSRB 15-15.1: Providing and applying painting in two on wall surface to give an even approved shade afte drops and other foreign matter including preparing the materials, labour, complete as per specifications. - do- with primer PWD 18-19,SI No.15.51.2,Pg No.119	r thoroughly brushing the	surface, free from paper smooth,	om mortar
	Basic Material Rate		90.00	
	Sub Total		90	
	Add 10% For Area weightage for Labour	D. (9.00	
	Total	Rate	99.00 S	oqm
29	Supplying and fixing new Mangalore tiles on existing PWD 18-19,SI No.37.9,Pg No.267	reepers.		
	Basic Rate		407.00	
	Sub Total		407	
	Add 10% For Area weightage		40.70	
	Total Rate	Rate	447.70 S	Sqm
30	ridges and hips, wood reepers and pointed with cem materials, labour, curing complete as per specification wood reepers of size 50x25mm PWD 18-19,SI No.8.11 Basic Rate			
	Sub Total		814	
			81.40	
	Add 10% For Area weightage Total Rate	Rate	895.40 S	Sam
31	Removing and fixing old Mangalore ridge tiles includ PWD 18-19,SI No.37.10,Pg No.267 Baisc rate Sub Total	ing pointing with C.M. 1:3	101.00	
	Add 10% For area weightage (Mangalore City)			
	Add 10% For area weightage (Mangalore City)	Rate	10.10	?mt
	Add 10% For area weightage (Mangalore City) Total Rate	Rate		Rmt
32	Total Rate KSRB 15-17.19: Providing and applying painting one wood surface and / or wood based surface with black surface of all dirt, dust and foreign matter, including specifications. PWD 18-19,SI No.15.71,Pg No.123	e coat (excluding priming k japan paint to give an ev	10.10 111.10 R coat) on previo ven shade after complete as per	ously painted cleaning the
32	Total Rate KSRB 15-17.19: Providing and applying painting one wood surface and / or wood based surface with black surface of all dirt, dust and foreign matter, including specifications. PWD 18-19,SI No.15.71,Pg No.123 Basic Rate	e coat (excluding priming k japan paint to give an ev	to 10.10 no previous yen shade after complete as per	ously painted cleaning the
32	Total Rate KSRB 15-17.19: Providing and applying painting one wood surface and / or wood based surface with black surface of all dirt, dust and foreign matter, including specifications. PWD 18-19,SI No.15.71,Pg No.123 Basic Rate Sub Total	e coat (excluding priming k japan paint to give an ev	10.10 111.10 R coat) on previous yen shade after complete as per	ously painted cleaning the
32	KSRB 15-17.19: Providing and applying painting one wood surface and / or wood based surface with black surface of all dirt, dust and foreign matter, including specifications. PWD 18-19,SI No.15.71,Pg No.123 Basic Rate Sub Total Add 10% For Area weightage	e coat (excluding priming k japan paint to give an excost of materials, labour,	10.10 111.10 R coat) on previous yen shade after complete as per 56.00 56 5.60	ously painted cleaning the
32	Total Rate KSRB 15-17.19: Providing and applying painting one wood surface and / or wood based surface with black surface of all dirt, dust and foreign matter, including specifications. PWD 18-19,SI No.15.71,Pg No.123 Basic Rate Sub Total	e coat (excluding priming k japan paint to give an ev	10.10 111.10 R coat) on previous yen shade after complete as per	ously painted cleaning the
32	KSRB 15-17.19: Providing and applying painting one wood surface and / or wood based surface with black surface of all dirt, dust and foreign matter, including specifications. PWD 18-19,SI No.15.71,Pg No.123 Basic Rate Sub Total Add 10% For Area weightage	Rate ding priming coat) on pre o give an even shade after	10.10 111.10 R coat) on previous yen shade after complete as per 56.00 56 5.60 61.60 S eviously painted wer cleaning the s	susly painted cleaning the
	KSRB 15-17.19: Providing and applying painting one wood surface and / or wood based surface with black surface of all dirt, dust and foreign matter, including specifications. PWD 18-19,SI No.15.71,Pg No.123 Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRB 15-17.19:Applying additional one coat (exclude and / or wood based surface with black japan paint to dirt, dust and foreign matter, including cost of materi PWD 18-19,SI No.15.72,Pg No.123	Rate ding priming coat) on pre o give an even shade after	10.10 111.10 R coat) on previous yen shade after complete as per 56.00 56 5.60 61.60 S eviously painted wer cleaning the s	ously painted cleaning the
	KSRB 15-17.19: Providing and applying painting one wood surface and / or wood based surface with black surface of all dirt, dust and foreign matter, including specifications. PWD 18-19,SI No.15.71,Pg No.123 Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRB 15-17.19:Applying additional one coat (exclude and / or wood based surface with black japan paint to dirt, dust and foreign matter, including cost of materi	Rate ding priming coat) on pre o give an even shade after	10.10 111.10 R coat) on previously en shade after complete as per 56.00 56 5.60 61.60 S evicusly painted were cleaning the specifications	susly painted cleaning the
	Total Rate KSRB 15-17.19: Providing and applying painting one wood surface and / or wood based surface with black surface of all dirt, dust and foreign matter, including specifications. PWD 18-19,SI No.15.71,Pg No.123 Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRB 15-17.19:Applying additional one coat (excludand / or wood based surface with black japan paint to dirt, dust and foreign matter, including cost of materi PWD 18-19,SI No.15.72,Pg No.123 Basic Rate	Rate ding priming coat) on pre o give an even shade after	10.10 111.10 R coat) on previously en shade after complete as per 56.00 56 5.60 61.60 S eviously painted were cleaning the ser specifications	susly painted cleaning the

Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids, cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the correcte and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1 @ 0.50 kg/sgm on the whole surface, including all labour charges tools and equipments, all complete as per the specification PWD 18-1.9,SI No.10.5.1,Pg No.69 Basic Rate				
Sub Total 526.00 Add 10% For Area weightage 52.60 52.60 Total Rate Rate S78.60 Sqm S78.60	34	surface by chipping and cleaning and Grouting of Honey co cement slurry (1kg cement added in 10 ltr of water) added was praying of liquid biological modified alkaline earth silicates the micro porosity and allowing it to dry, curing the surface from concrete and spraying waterproofing impregnate liquid cont 0.50 ltr per sqm and finally applying polymer slurry made out cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surfequipments, all complete as per the specification	mb, voids,crack vith 100gm of in @ 0.40 Itr per s or the silicates aining silane an it of cross linked	cs / construction joints with horganic accelerator, followed by sqm on whole surface to reduce to penetrate deeper into the ad silanol linear copolymer @ d acrylic / styrene / butadiene &
Sub Total 526.00 Add 10% For Area weightage 52.60 52.60 Total Rate Rate S78.60 Sqm S78.60 Sqm		Basic Rate		526.00
Add 10% For Area weightage Rate 52.60 Total Rate S78.60 Sqm KSRRB M300- Planting and Maintaining of Flowering Plants and Shrubs KSRRB M300- 8.1. Planting and Maintaining of Flowering Plants and Shrubs in central verge MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149 Basic Rate 46.00 Sub Total 46.00 Add 10% For Area weightage Rate 50.60 Rmt Providing and laying heavy duty Tactile Tiles (Direction and Stop tiles-300 x 300 mm) 60mm thick and Yellow in colour, using cement and course sand for manufacture of blocks of approved size, shape with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. (As Per ECI) Rate Approved as per EOI by MD MSCL Mangalore,Refer Sr.No.12 Sub Total Total Rate Rate 912.00 Sqm KSRRB M300-Turfing lawns with fine grassing including ploughing, dressing KSRRB M300-5. Turfing lawr with fine grassing including ploughing, dressing of clods, removal of rubbish, dressing and supplying doobs grass roots at 10 cm apart, including supplying and spreading of farm yard manure ar rate of 0.6 cum per 100 sqm complete as per specifications. MORTH Specification No. 307 PWD SOR 18-19,Si No.19.82,Pg No149 Basic Rate 23.00 Add 10% For Area weightage 2.30				
SRRB M300- Planting and Maintaining of Flowering Plants and Shrubs KSRRB M300- 8.1. Planting and Maintaining of Flowering Plants and Shrubs KSRRB M300- 8.1. Planting and Maintaining of Flowering Plants and Shrubs in central verge MCRTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149 Basic Rate		Add 10% For Area weightage		-
KSRRB M300- Planting and Maintaining of Flowering Plants and Shrubs KSRRB M300- 8.1. Planting and Maintaining of Flowering Plants and Shrubs - A) Planting flowring plants and shrubs in central verge MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149 Basic Rate			Rate	
Maintaining of Flowering Plants and Shrubs - A) Planting flowring plants and shrubs in central verge MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149 Basic Rate			1	1 2:2:23 24
Sub Total	35	Maintaining of Flowering Plants and Shrubs - A) Planting flo MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149		d shrubs in central verge
Add 10% For Area weightage Total Rate Providing and laying heavy duty Tactile Tiles (Direction and Stop tiles-300 x 300 mm) 60mm thick and Yellow in colour , using cement and course sand for manufacture of blocks of approved size, shape with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. (As Per EOI) Rate Approved as per EOI by MD MSCL Mangalore,Refer Sr.No.12 Sub Total Total Rate Rate 912.00 Sqm KSRRB M300-Turfing lawns with fine grassing including ploughing, dressing KSRRB M300-5. Turfing lawr with fine grassing including ploughing, dressing of clods, removal of rubbish, dressing and supplying doobs grass roots at 10 cm apart, including supplying and spreading of farm yard manure a rate of 0.6 cum per 100 sqm complete as per specifications. MORTH Specification No. 307 PWD SOR 18-19,SI No.19.82,Pg No149 Basic Rate 23.00 Sub Total 23.00 Add 10% For Area weightage				
Providing and laying heavy duty Tactile Tiles (Direction and Stop tiles-300 x 300 mm) 60mm thick and Yellow in colour , using cement and course sand for manufacture of blocks of approved size, shape with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. (As Per EOI) Rate Approved as per EOI by MD MSCL Mangalore,Refer Sr.No.12 Sub Total Total Rate Rate 912.00 Sqm KSRRB M300-Turfing lawns with fine grassing including ploughing, dressing KSRRB M300-5. Turfing lawr with fine grassing including ploughing, dressing of clods, removal of rubbish, dressing and supplying doobs grass roots at 10 cm apart, including supplying and spreading of farm yard manure ar rate of 0.6 cum per 100 sqm complete as per specifications. MORTH Specification No. 307 PWD SOR 18-19,SI No.19.82,Pg No149 Basic Rate 23.00 Sub Total Add 10% For Area weightage				46.00
Providing and laying heavy duty Tactile Tiles (Direction and Stop tiles-300 x 300 mm) 60mm thick and Yellow in colour , using cement and course sand for manufacture of blocks of approved size, shape with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. (As Per EOI) Rate Approved as per EOI by MD MSCL Mangalore, Refer Sr.No.12 Sub Total Total Rate Rate 912.00 KSRRB M300-Turfing lawns with fine grassing including ploughing, dressing KSRRB M300-5. Turfing lawr with fine grassing including ploughing, dressing of clods, removal of rubbish, dressing and supplying doobs grass roots at 10 cm apart, including supplying and spreading of farm yard manure at rate of 0.6 cum per 100 sqm complete as per specifications. MORTH Specification No. 307 PWD SOR 18-19,SI No.19.82,Pg No149 Basic Rate 23.00 Sub Total 23.00 Add 10% For Area weightage		Add 10% For Area weightage		
Yellow in colour , using cement and course sand for manufacture of blocks of approved size, shape with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. (As Per EOI) Rate Approved as per EOI by MD MSCL Mangalore,Refer Sr.No.12 Sub Total Total Rate Rate 912.00 Sqm KSRRB M300-Turfing lawns with fine grassing including ploughing, dressing KSRRB M300-5. Turfing lawn with fine grassing including breaking of clods, removal of rubbish, dressing and supplying doobs grass roots at 10 cm apart, including supplying and spreading of farm yard manure arrate of 0.6 cum per 100 sqm complete as per specifications. MORTH Specification No. 307 PWD SOR 18-19,SI No.19.82,Pg No149 Basic Rate 23.00 Sub Total 23.00 Add 10% For Area weightage 2.30		Total Rate	Rate	50.60 Rmt
Sr.No.12 Sub Total Total Rate Rate 912.00 Total Rate Rate 912.00 Sqm KSRRB M300-Turfing lawns with fine grassing including ploughing, dressing KSRRB M300-5. Turfing lawn with fine grassing including ploughing, dressing of clods, removal of rubbish, dressing and supplying doobs grass roots at 10 cm apart, including supplying and spreading of farm yard manure at rate of 0.6 cum per 100 sqm complete as per specifications. MORTH Specification No. 307 PWD SOR 18-19,SI No.19.82,Pg No149 Basic Rate 23.00 Sub Total Add 10% For Area weightage 23.00				
Total Rate Rate 912.00 Sqm KSRRB M300-Turfing lawns with fine grassing including ploughing, dressing KSRRB M300-5. Turfing lawn with fine grassing including ploughing, dressing including breaking of clods, removal of rubbish, dressing and supplying doobs grass roots at 10 cm apart, including supplying and spreading of farm yard manure at rate of 0.6 cum per 100 sqm complete as per specifications. MORTH Specification No. 307 PWD SOR 18-19,SI No.19.82,Pg No149 Basic Rate 23.00 Sub Total Add 10% For Area weightage 23.00	36	Yellow in colour, using cement and course sand for manufaminimum compressive strength of 281 kg per sqm over 50n compacting with plate vibrator having 3 tons compaction for come up in between joints, final compaction of paver surface materials, labour and HOM of machineries complete as per	acture of blocks nm thick sand b ce thereby forci e joints into its t	x 300 mm) 60mm thick and of approved size, shape with a ped (average thickness) and ing part of sand underneath to
KSRRB M300-Turfing lawns with fine grassing including ploughing, dressing KSRRB M300-5. Turfing lawn with fine grassing including ploughing, dressing including breaking of clods, removal of rubbish, dressing and supplying doobs grass roots at 10 cm apart, including supplying and spreading of farm yard manure at rate of 0.6 cum per 100 sqm complete as per specifications. MORTH Specification No. 307 PWD SOR 18-19,SI No.19.82,Pg No149 Basic Rate 23.00 Sub Total Add 10% For Area weightage 2.30	36	Yellow in colour, using cement and course sand for manufarminimum compressive strength of 281 kg per sqm over 50nd compacting with plate vibrator having 3 tons compaction for come up in between joints, final compaction of paver surfact materials, labour and HOM of machineries complete as per (As Per EOI) Rate Approved as per EOI by MD MSCL Mangalore, Refer Sr.No.12	acture of blocks nm thick sand b ce thereby forci e joints into its t	(300 mm) 60mm thick and of approved size, shape with a ped (average thickness) and ing part of sand underneath to final level, including cost of
with fine grassing including ploughing, dressing including breaking of clods, removal of rubbish, dressing and supplying doobs grass roots at 10 cm apart, including supplying and spreading of farm yard manure at rate of 0.6 cum per 100 sqm complete as per specifications. MORTH Specification No. 307 PWD SOR 18-19,SI No.19.82,Pg No149 Basic Rate Basic Rate 23.00 Sub Total Add 10% For Area weightage 2.30	36	Yellow in colour, using cement and course sand for manufarminimum compressive strength of 281 kg per sqm over 50nd compacting with plate vibrator having 3 tons compaction for come up in between joints, final compaction of paver surfact materials, labour and HOM of machineries complete as per (As Per EOI) Rate Approved as per EOI by MD MSCL Mangalore, Refer Sr.No.12	acture of blocks nm thick sand b ce thereby forci e joints into its t	x 300 mm) 60mm thick and of approved size, shape with a ped (average thickness) and ing part of sand underneath to final level, including cost of
Sub Total23.00Add 10% For Area weightage2.30	36	Yellow in colour, using cement and course sand for manufarminimum compressive strength of 281 kg per sqm over 50nd compacting with plate vibrator having 3 tons compaction for come up in between joints, final compaction of paver surface materials, labour and HOM of machineries complete as per (As Per EOI) Rate Approved as per EOI by MD MSCL Mangalore, Refersor. No.12 Sub Total	acture of blocks nm thick sand b ce thereby forci e joints into its t specifications.	x 300 mm) 60mm thick and of approved size, shape with a ped (average thickness) and ing part of sand underneath to final level, including cost of
Sub Total23.00Add 10% For Area weightage2.30		Yellow in colour, using cement and course sand for manufaminimum compressive strength of 281 kg per sqm over 50n compacting with plate vibrator having 3 tons compaction for come up in between joints, final compaction of paver surface materials, labour and HOM of machineries complete as per (As Per EOI) Rate Approved as per EOI by MD MSCL Mangalore, Refer Sr.No.12 Sub Total Total Rate KSRRB M300-Turfing lawns with fine grassing including plowith fine grassing including ploughing, dressing including brand supplying doobs grass roots at 10 cm apart, including strate of 0.6 cum per 100 sqm complete as per specifications	Rate Rate Rate Rate Rate	912.00 912.00 912.00 STRRB M300-5. Turfing lawns, removal of farm yard manure at the same
Add 10% For Area weightage 2.30		Yellow in colour, using cement and course sand for manufaminimum compressive strength of 281 kg per sqm over 50n compacting with plate vibrator having 3 tons compaction for come up in between joints, final compaction of paver surface materials, labour and HOM of machineries complete as per (As Per EOI) Rate Approved as per EOI by MD MSCL Mangalore,Refer Sr.No.12 Sub Total Total Rate KSRRB M300-Turfing lawns with fine grassing including plowith fine grassing including ploughing, dressing including brand supplying doobs grass roots at 10 cm apart, including strate of 0.6 cum per 100 sqm complete as per specifications PWD SOR 18-19,SI No.19.82,Pg No149	Rate Rate Rate Rate Rate	912.00 912.00 912.00 912.00 Sqm g KSRRB M300-5. Turfing lawns, removal of rubbish, dressing oreading of farm yard manure at iffication No. 307
9 9		Yellow in colour, using cement and course sand for manufaminimum compressive strength of 281 kg per sqm over 50n compacting with plate vibrator having 3 tons compaction for come up in between joints, final compaction of paver surface materials, labour and HOM of machineries complete as per (As Per EOI) Rate Approved as per EOI by MD MSCL Mangalore,Refer Sr.No.12 Sub Total Total Rate KSRRB M300-Turfing lawns with fine grassing including plowith fine grassing including ploughing, dressing including broad supplying doobs grass roots at 10 cm apart, including strate of 0.6 cum per 100 sqm complete as per specifications PWD SOR 18-19,SI No.19.82,Pg No149 Basic Rate	Rate Rate Rate Rate Rate	912.00 912.00 912.00 912.00 Sqm g KSRRB M300-5. Turfing lawns, removal of farm yard manure at iffication No. 307
Total Rate 25.30 Sqm		Yellow in colour, using cement and course sand for manufaminimum compressive strength of 281 kg per sqm over 50n compacting with plate vibrator having 3 tons compaction for come up in between joints, final compaction of paver surface materials, labour and HOM of machineries complete as per (As Per EOI) Rate Approved as per EOI by MD MSCL Mangalore, Refer Sr.No.12 Sub Total Total Rate KSRRB M300-Turfing lawns with fine grassing including plowith fine grassing including ploughing, dressing including brand supplying doobs grass roots at 10 cm apart, including so rate of 0.6 cum per 100 sqm complete as per specifications PWD SOR 18-19, SI No.19.82, Pg No149 Basic Rate Sub Total	Rate Rate Rate Rate Rate	912.00 912.00 912.00 Sqm g KSRRB M300-5. Turfing lawns, removal of rubbish, dressing oreading of farm yard manure at iffication No. 307

38	KSRRB M300- Maintenance of lawns with lawns with fine grassing for the first year in Specification No. 307. PWD SOR 18-19,SI No.19.83,Pg No149			
	Dania Data		02.00	
	Basic Rate Sub Total		92.00 92.00	
	Add 10% For Area weightage		9.20	
	Total Rate	Rate	101.20 S	Sam
	Total Nate	Nate	101.20	, , , , , , , , , , , , , , , , , , ,
39	Providing and laying artline grass pavers o compaction, of approved size, design & sha thick compacted bed of coarse sand, filling Engineer-in-charge. (Non SOR)	ape, laid in required colour and pat	ttern over and inc	cluding 50mr
	Basic Rate		2067.00	
	Sub Total		2067.00	
	Total Rate	Rate	2067.00 S	Sqm
	stains, including cost of all mateirals, morta (KPWD 18-19,SI.No.14.45.1) Basic Rate	ar, labour, etc., Complete as per s	1315.00	
	(KPWD 18-19,SI.No.14.45.1)	Rate eavated earth to required level, slop	1315.00 1315.00 131.50 1446.50 S	Sqm e thickness o
41	(KPWD 18-19,SI.No.14.45.1) Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRB 2.9 : Spreading and forming the exc 75mm. in all classes of soils including brea laying areas complete as per specifications (KSRB 18-19,Pg No.7,SI No.2.16)	Rate eavated earth to required level, slopaking clods and tamping manually	1315.00 1315.00 131.50 1446.50 S	Sqm e thickness o
41	(KPWD 18-19,SI.No.14.45.1) Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRB 2.9 : Spreading and forming the exc 75mm. in all classes of soils including brea laying areas complete as per specifications (KSRB 18-19,Pg No.7,SI No.2.16) Basic Rate	Rate eavated earth to required level, slopaking clods and tamping manually	1315.00 1315.00 131.50 1446.50 S	Sqm e thickness o
41	(KPWD 18-19,SI.No.14.45.1) Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRB 2.9 : Spreading and forming the exc 75mm. in all classes of soils including brea laying areas complete as per specifications (KSRB 18-19,Pg No.7,SI No.2.16) Basic Rate Sub Total	Rate eavated earth to required level, slopaking clods and tamping manually	1315.00 1315.00 131.50 1446.50 S pe for an average alround the buildi	Sqm e thickness (
41	(KPWD 18-19,SI.No.14.45.1) Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRB 2.9 : Spreading and forming the exc 75mm. in all classes of soils including brea laying areas complete as per specifications (KSRB 18-19,Pg No.7,SI No.2.16) Basic Rate Sub Total Add 10% For Area weightage	Rate eavated earth to required level, slop aking clods and tamping manually as.specification. No. KBS:	1315.00 1315.00 131.50 1446.50 S pe for an average alround the building	Sqm e thickness of ing and low
41	(KPWD 18-19,SI.No.14.45.1) Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRB 2.9 : Spreading and forming the exc 75mm. in all classes of soils including brea laying areas complete as per specifications (KSRB 18-19,Pg No.7,SI No.2.16) Basic Rate Sub Total	Rate eavated earth to required level, slopaking clods and tamping manually	1315.00 1315.00 131.50 1446.50 S pe for an average alround the buildi	Sqm e thickness of ing and low
41	(KPWD 18-19,SI.No.14.45.1) Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRB 2.9 : Spreading and forming the exc 75mm. in all classes of soils including brea laying areas complete as per specifications (KSRB 18-19,Pg No.7,SI No.2.16) Basic Rate Sub Total Add 10% For Area weightage	Rate Eavated earth to required level, slop aking clods and tamping manually as specification. No. KBS: Rate Eakerb stones made out of CC	1315.00 1315.00 131.50 1446.50 S pe for an average alround the buildi 9.00 9.00 9.90 9.90 S	Sqm e thickness of ing and low
	(KPWD 18-19,SI.No.14.45.1) Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRB 2.9 : Spreading and forming the exc 75mm. in all classes of soils including brea laying areas complete as per specifications (KSRB 18-19,Pg No.7,SI No.2.16) Basic Rate Sub Total Add 10% For Area weightage Total Rate Providing and fixing Pre cast solid concrete 1:2:4 and finished with CM 1:3 plastering a do- of size 450 x 150 x 400 mm (KSRRB 18-19,Pg No.27,SI No.5.29.1)	Rate Eavated earth to required level, slop aking clods and tamping manually as specification. No. KBS: Rate Eakerb stones made out of CC	9.00 9.00 9.90	Sqm e thickness of ing and low
	(KPWD 18-19,SI.No.14.45.1) Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRB 2.9 : Spreading and forming the exc 75mm. in all classes of soils including brea laying areas complete as per specifications (KSRB 18-19,Pg No.7,SI No.2.16) Basic Rate Sub Total Add 10% For Area weightage Total Rate Providing and fixing Pre cast solid concrete 1:2:4 and finished with CM 1:3 plastering a do- of size 450 x 150 x 400 mm	Rate Eavated earth to required level, slop aking clods and tamping manually as specification. No. KBS: Rate Eakerb stones made out of CC	1315.00 1315.00 1315.00 131.50 1446.50 S pe for an average alround the building 9.00 9.00 9.00 9.90 S	Sqm e thickness of ing and low
	(KPWD 18-19,SI.No.14.45.1) Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRB 2.9 : Spreading and forming the exc 75mm. in all classes of soils including brea laying areas complete as per specifications (KSRB 18-19,Pg No.7,SI No.2.16) Basic Rate Sub Total Add 10% For Area weightage Total Rate Providing and fixing Pre cast solid concrete 1:2:4 and finished with CM 1:3 plastering a do- of size 450 x 150 x 400 mm (KSRRB 18-19,Pg No.27,SI No.5.29.1) Basic Rate	Rate Eavated earth to required level, slop aking clods and tamping manually as specification. No. KBS: Rate Eakerb stones made out of CC	9.00 9.00 9.90	Sqm e thickness of ing and low

44	Sub Total Total Rate Cutting 10mmX10mm joint where the joint a/ Providing and filling Decksheild putty/ EUCO EIC.(Market Rate) Basic Rate Sub Total Total Rate		· · ·		
44	Sub Total Total Rate Cutting 10mmX10mm joint where the joint a/ Providing and filling Decksheild putty/ EUCO EIC.(Market Rate) Basic Rate	b should not be more than 1.02	2600.00 Sqm 2, (As per TR34). followed by sufacturer direction or		
44	Sub Total Total Rate Cutting 10mmX10mm joint where the joint a/ Providing and filling Decksheild putty/ EUCO EIC.(Market Rate)	b should not be more than 1.02	2600.00 Sqm 2, (As per TR34). followed by sufacturer direction or		
	Sub Total	Rate	2600.00		
	Sub Total		2600.00		
					
	Basic Rate				
	are recognized within ACI 360 and SDI/ANSI repair Mortar as per the manufacturer's record to level of surrounding concrete surface utilized of by manufacturer or as per the site Engineer THICKNESS- 30MM (Market Rate)	I-C1.0 as a reinforcing alternate mmendations within the open ti ing techniques recommended	e to WWF. Mixing and applying ime of the bonding agents. Fin		
	to 12 kg/m³. TUF-STRAND SF synthetic mad Code Council (ICC) Acceptance Criteria AC32 for synthetic fibers	cro-fibers comply with applicable	le portions of the International		
	reinforced with TUF-STRAND SF will have the impact and abrasion resistance and will also concrete. Dosage rates will vary depending to 12 kg/m³. TUF-STRAND SF synthetic mack Code Council (ICC)	nree-dimensional reinforcing wi help mitigate the formation of p upon the reinforcing requiremer cro-fibers comply with applicabl	th enhanced flexural toughnes plastic shrinkage cracking in hts and can range from 1.8 kg/ le portions of the International		
	polyethylene synthetic macro-fiber successfuconventional reinforcing bars in a wide variet C1116, Standard Specification for Fiber Reinforcing provide equivalent tensile and bending res	y of applications. TUF- STRAN forced Concrete and Shotcrete	ID SF fibers comply with ASTNe, and are specifically designed		
	single-component, rapid-setting mortar for he addition of water and 25% -40% pea aggregater ASTM C 109, Flexural strength as per ASTM C157 should be -0.083%, chloride per with along with TUF-STRAND SF "structural"	orizontal, and form and pour repates, where the compressive st STM C 348 should be 6.2Mpa in meability should be 900 coulor fibers" of FLOWCRETE are a	pair projects. Requiring only the rength should be 58.6Mpa as n 1 day, Linear shrinkage as per ASTM C 1202 alor patented polypropylene /		
	2.Clean the surface thoroughly, fix the shear3. Supplying and Installing Versaspeed / Thir				
43	RPM-900 RPM followed by Hand grinding ma Code of practice for installation of resilient flo by as required all in complete as per manufa only recommended by Flowcrete only.	achine for non approachable ar oor coverings,BS 8204 Parts 1,	reas as directed in BS 8203 : 3, 6 and 7 and FERFA followe		
	1 Surface Preparation: Saw cutting further to construction and contol joints in floor to 10mm wide x 10mm deep as shear key, include surface preparation by mechanical means using Grinding machines with frequency control drive and planetry drive, equipped with a vaccum pipe for dust collection. where operating width should not be more than 400mm, power 5HP 3phase, voltage 220V/415V, Motor speed should be 70				

45	To supply and apply Green Label certified Decksheild system Low <20g/L, solvent free, flexible polyurethane park deck contained hard-wearing surface for intermediate decks of multi-storey floors consisting of 3 component, solvent free, Polyurethane solid content of approximately 100% which accepts silica agas well as 2 component, coloured, flexible polurethane coating aggregate layer where UV light staibility is not critical having Antifreeze, Hydraulic Fluids, Chlorides & Battery Acids etc. 3 Designated EXT.F.AA, Slip Resistance as per TRRL Pend (Low Slip Potential), Abrasion Resiatance as per Taber Abra (1Kg Load using CS17 wheels). For exposed area UV stable having abrasion resistance as per Taber Abrader: 0.1g loss prevents from yellowing effect, followed by as required all in (Market Rate)	pating system p t, basement and the based primer/ligregate scatter ing having 100% the chemical resist Technical profiled dulum Slip Test ader resulted in the 2 component per 1000 cycle	roviding a colourly other trafficable body coat/binding to produce an a solid contents to salid contents to tance property to e having Fire resulted in Dry>0.1 mg loss per Polyurethane bas, 100% UV Ligher manufacturers	ful watertight, suspended g agent having nti skid surface to seal the Petrol, Diesel, istance -BS476- 40. Wet>40 1000 cycles sed top coat t stable & and EIC				
	Basic Rate		1400.00					
	Sub Total		1400.00					
	Total Rate	Rate	1400.00	Sqm				
46	fittings (medium grade weight 1.27 kglmtr) B class including testing complete as per specifications. Specification No.KBS 13.2.14 I 13.8 do- 40 mm dia (KSRB 18-19,Pg No.92,SI No.13.5)	cost of all mate	erials, labour cha	Specification No.KBS 13.2.14 I 13.8 do- 40 mm dia				
	Basic Rate		447.00					
			447.00					
	Sub Total		447.00					
	Sub Total Add 10% For Area weightage							
		Rate	447.00					
47	Add 10% For Area weightage	plastic Compour ying of hot appli per sqm area, ecified. The fini	447.00 44.70 491.70 and with Reflectristied thermoplastic thickness of 2.5 reshed surface to be	Rmt ing Glass Beads compound 2.5 mm is exclusive be level, uniform				
47	Add 10% For Area weightage Total Rate KSRRB M800-13.Road Marking with Hot Applied Thermopon Bituminous Surface/ Concrete Surface: Providing and laymm thick including reflectorising glass beads at 250 gms of surface applied glass beads as per IRC:35 standards spand free from streaks and holes complete as per specification (KSRB 18-19,SI No.24.15)	plastic Compour ying of hot appli per sqm area, ecified. The fini	447.00 44.70 491.70 and with Reflectris ided thermoplastic thickness of 2.5 r shed surface to be pecification No. 8	Rmt ing Glass Beads compound 2.5 mm is exclusive be level, uniform				
47	Add 10% For Area weightage Total Rate KSRRB M800-13.Road Marking with Hot Applied Thermopon Bituminous Surface/ Concrete Surface: Providing and layour mm thick including reflectorising glass beads at 250 gms of surface applied glass beads as per IRC:35 standards spand free from streaks and holes complete as per specification (KSRB 18-19,SI No.24.15) Basic Rate	plastic Compour ying of hot appli per sqm area, ecified. The fini	447.00 44.70 491.70 and with Reflectris ied thermoplastic thickness of 2.5 r shed surface to be pecification No. 8	Rmt ing Glass Beads compound 2.5 mm is exclusive be level, uniform 803				
47	Add 10% For Area weightage Total Rate KSRRB M800-13.Road Marking with Hot Applied Thermopon Bituminous Surface/ Concrete Surface: Providing and laymm thick including reflectorising glass beads at 250 gms of surface applied glass beads as per IRC:35 standards spand free from streaks and holes complete as per specification (KSRB 18-19,SI No.24.15)	plastic Compour ying of hot appli per sqm area, ecified. The fini	447.00 44.70 491.70 and with Reflectris ided thermoplastic thickness of 2.5 r shed surface to be pecification No. 8	Rmt ing Glass Beads compound 2.5 mm is exclusive be level, uniform 303				

Executive Engineer MSCL Mangaluru

G M Technical MSCL Mangaluru

MANGALURU SMART CITY 1.1 Grand Summary of E-Smart school - GPUC Balmatta

Sr. No.	Description	Cost In INR
1	E-Smart School - GPUC Balmatta	
а	Building & Compound wall works	13,388,842
b	Electrical Works	659,206
С	Plumbing Works	473,446
d	External Development - Softscape & Hardscape	3,863,382
	Total Cost	18,384,876

Executive Engineer MSCL Mangaluru

G M Technical MSCL Mangaluru

MANGALURU SMART CITY 1.2 BOQ of E-Smart School - GPUC BALMATTA

KSRRB M200-7.1. Clearing grass and removal of rubbish by manual means and stacking outside the periphery of the area cleaned complete as per specifications. MORTH Specification No. 201 PWD 18-19,Page No 138,SI No.18.10) KSRB 24-9: Cleaning and washing of stone masonry wall surface with nitric acid including cost of materials, labour, complete as per specifications. Specification No.KBS 18-19, (Page No 130,SI No : 16.4) Providing and construction laterite size stone masonary including cost and conveyance of all materials curing etc. complete as per specification.I.S.3620/1979 having compressive strength not less then 3.5N/mm2 for saturated dry samples.For super structure in CM 1:6 (Ha Sqm	0.74	28330.50	21,078
means and stacking outside the periphery of the area cleaned complete as per specifications. MORTH Specification No. 201 PWD 18-19,Page No 138,SI No.18.10) KSRB 24-9: Cleaning and washing of stone masonry wall surface with nitric acid including cost of materials, labour, complete as per specifications. Specification No.KBS 18-19, (Page No 130,SI No : 16.4) Providing and construction laterite size stone masonary including cost and conveyance of all materials curing etc. complete as per specification.I.S.3620/1979 having compressive strength not less then				
nitric acid including cost of materials, labour, complete as per specifications. Specification No.KBS 18-19, (Page No 130,Sl No : 16.4) Providing and construction laterite size stone masonary including cost and conveyance of all materials curing etc. complete as per specification.I.S.3620/1979 having compressive strength not less then	Sqm	1485.60	5.50	0.474
and conveyance of all materials curing etc. complete as per specification.I.S.3620/1979 having compressive strength not less then				8,171
Cement 45 kgs/M3) (KPWD 18-19,Page No 384,SI No : 42.5.3)	Cum	52.21	3730.10	194,734
KSRB 15.3.10 Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry and concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. PWD 18-19,SI No.15.19,Pg No 116	Sqm	742.80	300.30	223,063
KSRB 15-16.1: Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - do - with Primer PWD 18-19,SI No.15.53.2,Pg No 120	Sqm	6318.35	112.20	708,919
Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, complete as per specifications. (KPWD 18-19,SI No.15.103)	Sqm	977.40	374.00	365,548
KSRRB MS00-10 Painting new letter and figures of any shade with synthetic enamel paint black or any other approved colour to give an even shade complete as per specifications. ("ii) English and Roman - Hyphen and the like not to be measured and paid for" MORTH Specification No.801 (KSRRB 18-19,SI No.24.10)	Cm	2500.00	0.77	1,925
Cleaning RCC sump tanks and RCC overhead tanks with mechanical dewatering including removal of sludge, mud, dirt, algea etc and cleaning the wall surface of tanks using high pressure jet, vacuum cleaning and spraying anti bacterial treatment to the wall and ceiling surfaces and UV treatment, including removing of sludge etc, using suitable coconut broomstick, squeesers I wipers I rubber brushes, coir brushes, plastic buckets, mugs, dewatering using motor with portal arrangement, hose pipe etc., complete including all safety measures. (KPWD 18-19,SI No.10.7)	L	20000.00	0.39	7,700
KSRB 15-18.3: Providing and applying enamel metal paint one coat (excluding priming coat) on previously painted steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. PWD 18-19,SI No.15.75,Pg No 123	Sqm	323.39	67.10	21,699
Orrish Hyspo-H Hassar() Cottstilin H()sos	cement mortar 1:4, to stone masonry and concrete surface including rounding off corners wherever required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. PWD 18-19,SI No.15.19,Pg No 116 KSRB 15-16.1: Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - do - with Primer PWD 18-19,SI No.15.53.2,Pg No 120 Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, complete as per specifications. (KPWD 18-19,SI No.15.103) KSRRB MS00-10 Painting new letter and figures of any shade with synthetic enamel paint black or any other approved colour to give an even shade complete as per specifications. ("ii) English and Roman - Hyphen and the like not to be measured and paid for" MORTH Specification No.801 (KSRRB 18-19,SI No.24.10) Cleaning RCC sump tanks and RCC overhead tanks with mechanical dewatering including removal of sludge, mud, dirt, algea etc and cleaning the wall surface of tanks using high pressure jet, vacuum cleaning and spraying anti bacterial treatment to the wall and ceiling surfaces and UV treatment, including removal of sludge etc, using suitable coconut broomstick, squeesers I wipers I rubber brushes, coir brushes, plastic buckets, mugs, dewatering using motor with portal arrangement, hose pipe etc., complete including all safety measures. (KPWD 18-19,SI No.10.7)	cement mortar 1:4, to stone masonry and concrete surface including rounding off corners wherever required smooth rendering. Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. PWD 18-19,SI No.15.19,Pg No 116 KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. do - with Primer PWD 18-19,SI No.15.53.2,Pg No 120 Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, complete as per specifications. (KPWD 18-19,SI No.15.103) KSRRB MS00-10 Painting new letter and figures of any shade with synthetic enamel paint black or any other approved colour to give an even shade complete as per specifications. ("ii) English and Roman - Hyphen and the like not to be measured and paid for" MORTH Specification No.801 (KSRRB 18-19,SI No.24.10) Cleaning RCC sump tanks and RCC overhead tanks with mechanical dewatering including removal of sludge, mud, dirt, algea etc and cleaning the wall surface of tanks using high pressure jet, vacuum cleaning and spraying anti bacterial treatment to the wall and ceiling surfaces and UV treatment, including removing of sludge etc, using suitable coconut broomstick, squeesers I wipers I rubber brushes, coir brushes, plastic buckets, mugs, dewatering using motor with portal arrangement, hose pipe etc., complete including all safety measures. (KPWD 18-19,SI No.10.7) KSRB 15-18.3 : Providing and applying enamel metal paint one coat (excluding priming coat) on previously painted steel or other me	cement mortar 1:4, to stone masonry and concrete surface including and removing scaffolding, including cost of materials, labour, curing complete as per specifications. PWD 18-19,SI No.15.19,Pg No 116 KSRB 15-16.1: Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - do - with Primer PWD 18-19,SI No.15.53.2,Pg No 120 Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, complete as per specifications. (KPWD 18-19,SI No.15.103) KSRRB MS00-10 Painting new letter and figures of any shade with synthetic enamel paint black or any other approved colour to give an even shade complete as per specifications. ("ii) English and Roman - Hyphen and the like not to be measured and paid for MORTH Specification No.801 (KSRRB 18-19,SI No.24.10) Cleaning RCC sump tanks and RCC overhead tanks with mechanical dewatering including removal of sludge, mud, dirt, algea etc and cleaning his ward in scarling tratement to the wall and ceiling surfaces and UV treatment, including removing of sludge etc, using suitable coconut broomstick, squeesers I wipers I rubber brushes, coir brushes, plastic bruckets, mugs, dewatering using motor with portal arrangement, hose pipe etc., complete including all safety measures. (KPWD 18-19,SI No.10.7) KSRB 15-18.3: Providing and applying enamel metal paint one coat (excluding priming coat) on previously painted steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, comp	cement mortar 1:4, to sione masonry and concrete surface including rounding off corners wherever required smooth rendering. Providing and removing scarfolding, including cost of materials, labour, curing complete as per specifications. WEXRB 15-16.1: Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. 40 - with Primer PWD 18-19,SI No.15.53.2,Pg No 120 Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, complete as per specifications. KERRB MS00-10 Painting new letter and figures of any shade with synthetic enamel paint black or any other approved colour to give an even shade complete as per specifications. ("ii) English and Roman - Hyphen and the like not to be measured and paid for" KERRB 18-19,SI No.24.10) Cleaning RCC sump tanks and RCC overhead tanks with mechanical dewatering including removal of sludge, mud, dirt, algea etc and cleaning the wall surface of tanks using high pressure jet, vacuum cleaning and spraying anti bacterial treatment to the wall and celling surfaces and UV treatment, including removing of sludge etc, using suitable coconut broomstick, squeesers I wipers I rubber brushes, coir brushes, plastic broomstick, squeesers I wipers I rubber brushes, coir brushes, plastic broomstick, squeesers I wipers I rubber brushes, coir brushes, plastic broomstick, squeesers I wipers I rubber brushes, coir brushes, plastic broomstick, squeesers I wipers I rubber brushes, coir brushes, plastic brushing to give an even shade after cleaning oil, grease, dirt and other foreign

Sr .No.	Description	Unit	Quantity	Rate	Amount
10	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 PWD 18-19,SI No.2.3,Pg No 6	Cum	1167.14	328.90	383,872
11	KSRB 4-1.6; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 ems. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2 PWD 18-19,SI No.4.6,Pg No 13	Cum	122.88	6490.00	797,491
12	KSRB 14.9-2: Providing and laying M-15 cement concrete flooring 60 mm thick with metallic concrete hardner topping, under layer of 45mm thick M-15 cernent concrete using broken granite metal of 20mm and down size and top layer of 15mm thick metallic cement hardner consisting of mix 1:2 (1 cement hardner mix: 2 granite metal 10mm nominal size) by volurne, with metalic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement= 1 part of metallic floor hardening compound of approved quality by wt), including finishing, cost of materials, labour, curing, complete as per specifications. Specification No. KBS 14.4 PWD 18-19,SI No.14.14	Sqm	728.00	797.50	580,580
13	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregates @0.47cum, with super plasticisers @ 3 liters conforming to IS 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedestrals, retaining walls, returnwalls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. PWD 18-19,SI No.4.10,Pg No 14	Cum	160.35	6817.80	1,093,234
14	Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete with all lead lifts and as per specifications and directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18	МТ	12.03	77860.20	936,366
15	Providing and removing, centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications PWD 18-19,SI No.4.28,Pg No 16	Sqm	546.53	289.30	158,111
16	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses plinth cills and string courses cost of all materials, labour complete as per specifications. PWD 18-19,SI No.4.31,Pg No 16	Sqm	1421.85	397.10	564,617
17	KSRRB M2200 - Providing Weep holes Providing weep holes in Brick masonry / Plain / Reinforced concrete abutment, wing wall / return wall with 100mm dia AC pipe , extending through the full width of the structure with slope of 1V:20H towards drawing force complete as per drawing and Technical specifications complete as per specifications. PWD 18-19,SI No.28.10,Pg No 229	Nos	26.00	161.70	4,204

Sr .No.	Description	Unit	Quantity	Rate	Amount
18	KSRB 2-4: Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications. PWD 18-19,SI No.2.11,Pg No 7	Cum	371.83	132.00	49,082
19	Providing and fixing unplasticised PVC pipes with working pressure 10 kg/sq.cm with pipe fittings, clips, making good the floor, including cost of all materials, labour charges, HOM and testing complete as per specifications. KSRB 18-19,Pg No.77,SI No.11.56.2				
	do- with 110mm outer dia	Rmt	39.00	666.60	25,997
20	Providing & Fixing CI Grating (325 x 325mm) for road gully cover including fixing the cover and CM 1:3 Plastering 20mm thick to all exposed faces curing for 90 days with all lead including cost of plastering but excluding cost of concrete etc,completete (As Per EOI)	Each	13.00	893.00	11,609
21	KSRB 24-44: Repairs to plaster in patches of 2.5 sqm and less in walls, ceilings 10 to 20mm thick in cement mortar 1:4 including cutting the patches in proper shape and replastering the surface of the wall including disposal of rubbish with a lead of 50m including curing cost of materials, labour, complete as per specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133	Sqm	894.66	304.70	272,603
22	Providing and fixing Special make glazed Vitrified tiles (Granomite finish) of approved make, quality and colour of size 600x600x10mm thick fixed on existing flooring with a special roffe adhesive for flooring and skirting etc., complete including providing spears at required interval and removing stains etc., complete. (P.No. 109, I.No. 14.43 of SR 2018-19).	Sqm	2356.33	1452.00	3,421,396
23	Providing and laying of teak wooden polished flooring of 12mm thick, high density timber of approved colour and design with end trims, transition, profiles, beading, 15mm thick felt, and 20 micron polyester film with 4mm thick foam underlay etc., (P.No.113, I.No.14.70 of PWD SR 2018-19)	Sqm	33.75	5280.00	178,200
24	KSRB 14.14-5: Providing Ceramic tiles of approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing, complete as per specifications for Ceramic Tiles of size 30x30cms 6mm thick. PWD 18-19,SI No.14.36.2,Pg No.107 and 108	Sqm	323.83	1332.10	431,371
25	Providing and laying pattern flooring for staircase treads and risers using the combination of 20mm thick ruby red granite @ 66%,20 mm thick grey granite @ 20%, 20mm thick, 20mm thick black granite 14%. The granite materials are laid on existing bed of CM 1:3 20mm thick pointed with colour pigment, including full rounding for nosing, flaming the ruby red granite for 50 mm wide curing etc., complete as per specification. (P.No. 109, I.No. 14.46 of PWD SR 2018-19)	Sqm	38.04	7914.50	301,070
26	Repairing door and window frames with available wood to the required size. PWD 18-19,SI No.37.12,Pg No 267	Sqm	314.92	753.50	237,291
27	Repairing and fixing shutters (panelled or glazed) to doors, windows, ventilators and cupboards. PWD 18-19,SI No.37.13,Pg No.267	Sqm	314.92	753.50	237,291
28	KSRB 15-15.1: Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - do- with primer PWD 18-19,SI No.15.51.2,Pg No.119	Sqm	5671.43	99.00	561,472

Sr .No.	Description	Unit	Quantity	Rate	Amount
29	Supplying and fixing new Mangalore tiles on existing reepers. PWD 18-19,SI No.37.9,Pg No.267	Sqm	904.33	447.70	404,869
30	Removing and fixing old Mangalore ridge tiles including pointing with C.M. 1:3. PWD 18-19,SI No.37.10,Pg No.267	Rmt	138.60	111.10	15,398
31	KSRB 15-17.19: Providing and applying painting one coat (excluding priming coat) on previously painted wood surface and / or wood based surface with black japan paint to give an even shade after cleaning the surface of all dirt, dust and foreign matter, including cost of materials, labour, complete as per specifications. PWD 18-19,SI No.15.71,Pg No.123	Sqm	449.88	61.60	27,713
32	KSRB 15-17.19:Applying additional one coat (excluding priming coat) on previously painted wood surface and / or wood based surface with black japan paint to give an even shade after cleaning the surface of all dirt, dust and foreign matter, including cost of materials, labour, complete as per specifications. PWD 18-19,SI No.15.72,Pg No.123	Sqm	449.88	55.00	24,744
33	KSRB 8.4: Providing and fixing Mangalore tile roofing using first class tiles with necessary special tiles for ridges and hips, wood reepers and pointed with cement mortar 1:4 over the existing rafters including cost of materials, labour, curing complete as per specifications. Specification No. KBS 8.17KSRB 8.4-2: do- Nandi wood reepers of size 50x25mm PWD 18-19,SI No.8.11	Sqm	1053.26	895.40	943,092
34	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification PWD 18-19,SI No.10.5.1,Pg No 69	Sqm	301.30	578.60	174,332
В	External Development - Softscape & Hardscape				
35	KSRRB M300- Planting and Maintaining of Flowering Plants and Shrubs KSRRB M300- 8.1. Planting and Maintaining of Flowering Plants and Shrubs - A) Planting flowering plants and shrubs in central verge MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149	Rmt	101.00	50.60	5,111
36	Providing and laying heavy duty Tactile Tiles (Direction and Stop tiles-300 x 300 mm) 60mm thick and Yellow in colour , using cement and course sand for manufacture of blocks of approved size, shape with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. (As Per EOI)	Sqm	284.80	912.00	259,738
37	KSRRB M300-Turfing lawns with fine grassing including ploughing, dressing KSRRB M300-5. Turfing lawns with fine grassing including ploughing, dressing including breaking of clods, removal of rubbish, dressing and supplying doobs grass roots at 10 cm apart, including supplying and spreading of farm yard manure at rate of 0.6 cum per 100 sqm complete as per specifications. MORTH Specification No. 307 PWD SOR 18-19,SI No.19.82,Pg No149	Sqm	78.00	25.30	1,973

Sr .No.	Description	Unit	Quantity	Rate	Amount
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38	KSRRB M300- Maintenance of lawns with fine grassing for the first year KSRRB M300-6. Maintenance of lawns with fine grassing for the first year including watering etc complete as per specifications. MORTH Specification No. 307. PWD SOR 18-19,SI No.19.83,Pg No149	Sqm	78.00	101.20	7,894
39	Providing and fixing Vitrified glazed tiles of approved make, quality & colour of size 900 x 900 x 12mm thick fixed on bed of 12mm thick cement mortar for flooring, skirting and JOinted with neat cement slurry mixed with pigment to mach shade of tiles, including providing spacers at required interval and removing stains, including cost of all mateirals, mortar, labour, etc., Complete as per specification. (KPWD 18-19,SI.No.14.45.1)	Sqm	1139.20	1446.50	1,647,853
40	KSRB 2.9 : Spreading and forming the excavated earth to required level, slope for an average thickness of 75mm. in all classes of soils including breaking clods and tamping manually alround the building and low laying areas complete as per specifications.specification. No. KBS : (KSRB 18-19,Pg No.7,SI No.2.16)	Sqm	1736.00	9.90	17,186
41	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete. do- of size 450 x 150 x 400 mm (KSRRB 18-19,Pg No.27,SI No.5.29.1)	Nos	284.00	514.80	146,203
42	1 Surface Preparation: Saw cutting further to construction and contol joints in floor to 10mm wide x 10mm deep as shear key, include surface preparation by mechanical means using Grinding machines with frequency control drive and planetry drive, equipped with a vaccum pipe for dust collection. where operating width should not be more than 400mm, power 5HP 3phase, voltage 220V/415V, Motor speed should be 700 RPM-900 RPM followed by Hand grinding machine for non approachable areas as directed in BS 8203: Code of practice for installation of resilient floor coverings,BS 8204 Parts 1, 3, 6 and 7 and FERFA followed by as required all in complete as per manufacturers and EIC. Work need to be done by flooring specialist only recommended by Flowcrete only.				
	3. Supplying and Installing Versaspeed / Thin top Supreme/ Eucocrete of FLOWCRETE (USA) versatile, single-component, rapid-setting mortar for horizontal, and form and pour repair projects. Requiring only the addition of water and 25% -40% pea aggregates, where the compressive strength should be 58.6Mpa as per ASTM C 109, Flexural strength as per ASTM C 348 should be 6.2Mpa in 1 day, Linear shrinkage as per ASTM C157 should be -0.083%, chloride permeability should be 900 coulombs as per ASTM C 1202 along with along with TUF-STRAND SF "structural fibers" of FLOWCRETE are a patented polypropylene / polyethylene synthetic macro-fiber successfully used to replace steel fibers, welded wire mesh and conventional reinforcing bars in a wide variety of applications. TUF-STRAND SF fibers comply with ASTM C1116, Standard Specification for Fiber Reinforced Concrete and Shotcrete, and are specifically designed to provide equivalent tensile and bending resistance to conventional reinforcement requirements. Concrete reinforced with TUF-STRAND SF will have three-dimensional reinforcing with enhanced flexural toughness, impact and abrasion resistance and will also help mitigate the formation of plastic shrinkage cracking in concrete. Dosage rates will vary depending upon the reinforcing requirements and can range from 1.8 kg/m³ to 12 kg/m³. TUF-STRAND SF synthetic macro-fibers comply with applicable portions of the International Code Council (ICC)				

Sr .No.	Description	Unit	Quantity	Rate	Amount
	Acceptance Criteria AC32 for synthetic fibers, are UL certified for composite metal deck construction and are recognized within ACI 360 and SDI/ANSI-C1.0 as a reinforcing alternate to WWF. Mixing and applying repair Mortar as per the manufacturer's recommendations within the open time of the bonding agents. Finish to level of surrounding concrete surface utilizing techniques recommended and finished with bull floater top of by manufacturer or as per the site Engineer. THICKNESS- 30MM (Market Rate)	Sqm	435.00	2600.00	1,131,000
43	Cutting 10mmX10mm joint where the joint a/b should not be more than 1.02, (As per TR34). followed by Providing and filling Decksheild putty/ EUCO700 all in complete as per manufacturer direction or EIC.(Market Rate)	Rmt	103.00	130.00	13,390
44	To supply and apply Green Label certified Decksheild system, low VOC as per ISO11890-2 resulted in Very Low <20g/L, solvent free, flexible polyurethane park deck coating system providing a colourful watertight, hard- wearing surface for intermediate decks of multi-storey, basement and other trafficable suspended floors consisting of 3 component, solvent free, Polyurethane based primer/body coat/binding agent having solid content of approximately 100% which accepts silica aggregate scatter to produce an anti skid surface as well as 2 component, coloured, flexible polurethane coating having 100% solid contents to seal the aggregate layer where UV light staibility is not critical having chemical resistance property to Petrol, Diesel, Antifreeze, Hydraulic Fluids, Chlorides & Battery Acids etc. Technical profile having Fire resistance -BS476-3 Designated EXT.F.AA, Slip Resistance as per TRRL Pendulum Slip Test resulted in Dry>40. Wet>40 (Low Slip Potential), Abrasion Resiatance as per Taber Abrader resulted in 0.1 mg loss per 1000 cycles (1Kg Load using CS17 wheels). For exposed area UV stable 2 component Polyurethane based top coat having abrasion resistance as per Taber Abrader: 0.1g loss per 1000 cycles, 100% UV Light stable & prevents from yellowing effect, followed by as required all in complete as per manufacturers and EIC (Market Rate)	Sqm	435.00	1400.00	609,000
45	KSRB13-1.1: Providing and fixing to wall, ceiling and floor galvanised I mild steel tube nominal bore with fittings (medium grade weight 1.27 kglmtr) B class including cost of all materials, labour charges, HOM and testing complete as per specifications. Specification No.KBS 13.2.14 I 13.8 do- 40 mm dia (KSRB 18-19,Pg No.92,SI No.13.5)	Rmt	3.10	491.70	1,524
46	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 (KSRB 18-19,SI No.24.15)	Sqm	47.70	471.90	22,510
	GRAND TOTAL				17,252,224

MANGALURU SMART CITY 1.3 Measurement of E-SMART SCHOOL - GPUC BALMATTA

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
1	KSRRB M200-7.1. Clearing grass and removal of rubbish by manual means and stacking outside the periphery of the area cleaned complete as per specifications. MORTH Specification No. 201						
	PWD 18-19,Page No 138,SI No.18.10)	Cam	1	10000.00	۸۳۵۵		10000.00
	Total Area Ded Building area	Sqm Sqm	-1	10980.00 3540.00	Area Area		10980.00 -3540.00
	Dod Dunanig area	Sqm	'	3340.00	Total		7440.00
	Total Area in Ha	На					0.74
2	KSRB 24-9 : Cleaning and washing of stone masonry wall surface with nitric acid including cost of materials, labour, complete as per specifications. Specification No.KBS 18-19, (Page No 130,SI No : 16.4)						
	Compound wall-Front side	Sqm	2	126.00		2.00	504.00
	Right side	Sqm	2	120.00		1.50	360.00
	Left side	Sqm	2	150.00		1.50	450.00
	Back side	Sqm	2	45.00		1.60	144.00
	Pillar Total Quantity	Sqm Sqm	6	2.30	Total	2.00	27.60 1485.60
3	Providing and construction laterite size stone masonary including cost and conveyance of all materials curing etc. complete as per specification.I.S.3620/1979 having compressive strength not less then 3.5N/mm2 for saturated dry samples.For super structure in CM 1:6 (Cement 45 kgs/M3) (KPWD 18-19,Page No 384,SI No : 42.5.3)	·					
	Compound wall-Front side	Cum	1	126.00	0.23	2.00	57.96
	Right side	Cum	1	120.00	0.23	1.50	41.40
	Left side	Cum	1	150.00	0.23	1.50	51.75
	Back side	Cum	1	45.00	0.23	1.60	16.56
	Pillar	Cum	6	2.30	0.23	2.00	6.35
			0	2.50		2.00	
	Total Quantity	Cum			Total		174.02
	Total Quantity (30%)	Cum			Total		52.21
4	KSRB 15.3.10 Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry and concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. PWD 18-19,SI No.15.19,Pg No 116						
	Compound wall-Front side	Cum	2	126.00		2.00	504.00
	Right side	Cum	2	120.00		1.50	360.00
	Left side Back side	Cum Cum	2	150.00 45.00		1.50 1.60	450.00 144.00
	Pillar	Cum	6	2.30		2.00	27.60
	Total Quantity	Cum	† Ť		Total	2.00	1485.60
	Total Quantity (50%)	Cum			Total		742.80
5	KSRB 15-16.1: Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications.						
	- do - with Primer PWD 18-19,SI No.15.53.2,Pg No 120 Compound wall-Front side	Sqm	2	126.00		2.00	504.00
	Right side	Sqm	2	120.00		1.50	360.00
	Left side	Sqm	2	150.00 45.00		1.50 1.60	450.00 144.00
	Back side Pillar	Sqm Sqm	6	2.30		2.00	27.60
	B2 Block	Jqiii		2.00		2.00	21.00
	GF-Outside Wall-Arch						
	Outer face Wall	Sqm	1	255.00		4.00	1020.00
	Inner wall Face	Sqm	1	245.00		4.00	980.00

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	Deduction Arch						
	A4	Sqm	-18	1.80		2.65	-85.86
	A5	Sqm	-21	2.70		2.65	-150.26
	A6 A3	Sqm Sqm	-5 -3	2.50 1.30		2.60 2.65	-32.50 -10.34
	A2	Sqm	-3 -1	2.45		2.60	-10.34
	0	Sqm	-3	0.60		1.50	-2.70
	01	Sqm	-4	0.60		2.45	-5.88
	D1	Sqm	-2	0.90		2.10	-3.78
	W	Sqm	-6	1.20		1.50	-10.80
	W1	Sqm	-1	0.75		0.90	-0.68
	==						
	FF-Outside Wall	C	4	255.00		4.00	1000.00
	Outer face Wall Inner wall Face	Sqm Sqm	1	255.00 245.00		4.00 4.00	1020.00 980.00
	Deduction Arch	Sqiii	'	243.00		4.00	900.00
	Mesh Window Opening	Sqm	-2	4.95		1.75	-17.33
	Mesh Window Opening	Sqm	-26	3.20		1.75	-145.60
	Mesh Window Opening	Sqm	-4	3.55		1.75	-24.85
	Mesh Window Opening	Sqm	-4	2.00		1.75	-14.00
	Mesh Window Opening	Sqm	-2	5.00		1.75	-17.50
	Mesh Window Opening	Sqm	-2	1.55		1.75	-5.43
	Mesh Window Opening	Sqm	-2	3.00		1.75	-10.50
	GW	Sqm	-6	1.50		1.50	-13.50
	W3	Sqm	-12	1.15		1.16	-16.01
	W7 D3	Sqm	-2 -2	1.20 1.30		1.20 2.40	-2.88 -6.24
	Octagonal Shape	Sqm	-2	1.30		2.40	-0.24
	Inner Wall	Sqm	1	35.00		4.00	140.00
	Outer Wall	Sqm	1	35.00		4.00	140.00
	Ded	Sqm	-6	1.30		0.90	-7.02
	Ded	Sqm	-2	1.80		0.90	-3.24
	Balcony Parapet wall	Sqm	2	5.00		0.85	8.50
		Sqm	1	6.50		0.85	5.53
	Main Entry Wall	Sqm	2	5.00		4.00	40.00
		Sqm	1	6.50		4.00	26.00
	Ded -A1	Sqm	-2	2.60		3.00	-15.60
	Column	Sqm	12	1.30		10.00	156.00
	B5 Block						
	Painting (External Wall)						
	Class Room	Sqm	2	17.00		4.00	136.00
	Class Room	Sqm	2	6.50		4.00	52.00
	Deduction						
	Window	Sqm	-10	1.22		1.12	-13.66
	Door	Sqm	-2	1.20		1.90	-4.56
	Kitchen	Sqm	2	3.60		4.00	28.80
	D-1W4	Sqm	1	4.00		4.00	16.00
	Ded-W1 Ded-D1	Sqm	-1	0.75		1.20	-0.90 -1.89
	Chejja -W1	Sqm Sqm	-1 2	0.90 1.05	0.70	2.10	1.47
	Chejja -W	Sqm	6	1.52	0.70		6.38
	RCC Slab	Sqm	1	3.70	4.30		15.91
	Slab Projection side	Sqm	1	11.70		0.15	1.76
	Laterite Column	Sqm	7	0.66		2.40	11.09
	B6 Block	·					
	Painting (External Wall)						
	Outside wall	Sqm	1	75.00		5.40	405.00
	Deduction		1.5	4.0-			
	Window with mesh	Sqm	-16	1.36		1.96	-42.65
	Door Top Mesh	Sqm Sqm	-6 -9	1.35 1.35		2.73 0.60	-22.11 -7.29
	Chejja Painting	Sqm	13	1.66	0.60	0.00	12.95
	Chojja i aliting	Sqm	13	2.86	0.00	0.10	3.72
	B7 Block	5411		2.00		3.10	0.12
	Painting (External Wall)						
	Outside wall	Sqm	1	40.00		4.00	160.00
	Deduction						
			1	1.18		1.50	-7.08
	Window	Sqm	-4				
	Window Door	Sqm	-4	1.20		2.05	-9.84
	Window	Sqm Sqm	-4 4	1.20 1.50	0.60	2.05	-9.84 3.60
	Window Door	Sqm	-4	1.20	0.60		-9.84

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	Painting (External Wall)	Cam	1	42.00		4.40	190.20
	Outside area Front Area	Sqm Sqm	1	43.00 13.60		4.40 1.40	189.20 19.04
	Deduction	Sqiii	1	13.00		1.40	19.04
	Rolling Shutter	Sqm	-1	6.75		3.20	-21.60
	Door-D	Sqm	-2	1.20		2.10	-5.04
	Window-W	Sqm	-1	1.50		1.20	-1.80
		Sqm			Total	0	6318.35
6	Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, complete as per specifications. (KPWD 18-19,SI No.15.103)						
	Compound wall-Front side	Sqm	1	126.00		2.00	252.00
	Left side	Sqm	1	150.00		1.50	225.00
-	B2 Block	Sqm	1	255.00		1.20	306.00
-	B5 Block	Sqm	1	47.00		1.20	56.40
	B6 Block	Sqm	1	75.00		1.20	90.00
	B7 Block	Sqm	1	40.00		1.20	48.00
		Sqm			Total		977.40
7	KSRRB MS00-10 Painting new letter and figures of any shade with synthetic enamel paint black or any other approved colour to give an even shade complete as per specifications. ("ii) English and Roman - Hyphen and the like not to be measured and paid for" MORTH Specification No.801 (KSRRB 18-19,SI No.24.10) Total Qty-Name Plate, Signages & School Entrance signages	Cm	50	50.00			2500.00
	on wall		30	30.00	Total		
		Cm			Total		2500.00
8	Cleaning RCC sump tanks and RCC overhead tanks with mechanical dewatering including removal of sludge, mud, dirt, algea etc and cleaning the wall surface of tanks using high pressure jet, vacuum cleaning and spraying anti bacterial treatment to the wall and ceiling surfaces and UV treatment, including removing of sludge etc, using suitable coconut broomstick, squeesers I wipers I rubber brushes, coir brushes, plastic buckets, mugs, dewatering using motor with portal arrangement, hose pipe etc., complete including all safety measures. (KPWD 18-19,SI No.10.7)		20000				20000 00
	Total Qty	L	20000		Total		20000.00 20000.00
9	KSRB 15-18.3 : Providing and applying enamel metal paint one coat (excluding priming coat) on previously painted steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. PWD 18-19,SI No.15.75,Pg No 123						
	Entrance Gate 1st	Sqm	1	6.30		2.00	12.60
	Entrance Gate 2nd	Sqm	1	5.00		2.10	10.50
	Mesh Window	Sqm	42	3.32		1.75	244.13
	GW	Sqm	6	1.50		1.50	13.50
	Rolling shutter	Sqm	1	2.70		2.10	5.67
	Grill Window	Sqm	1	2.60		2.00	5.20
	Rolling shutter	Sqm	1	6.75		3.20	21.60
	MS Opening Paint	Sqm	1	3.35		2.10	7.04
	MS Opening Paint	Sqm	1	1.50	Tatal	2.10	3.15
		Sqm	l	Ī	Total		323.39

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
10	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 PWD 18-19,SI No.2.3,Pg No 6						
	DO Disele	Cum	1	255.00	0.45	0.30	24.42
	B2 Block B5 Block	Cum	1	255.00 47.00	0.45	0.30	34.43 6.35
	B6 Block	Cum	1	75.00	0.45	0.30	10.13
	B7 Block	Cum	1	40.00	0.45	0.30	5.40
	Exit Area Driveway	Cum	1	32.86	3.50	0.70	80.50
	Exit Area Driveway	Cum Cum	1	86.36 19.00	5.50 4.00	0.70 0.70	332.50 53.20
	Entry Area Entry Area	Cum	2	31.00	Area	0.70	62.00
	RCC Covered Drain		_	000	704		02.00
	SWD - 0.45m Clear Width	Cum	1	337.78	0.95	1.01	324.10
	SWD - 0.60m Clear Width	Cum	1	157.72	1.10	1.34	231.61
	SWD Chamber	Cum	13	0.70	0.70	0.50	3.19
	UPVC Pipe Total Qty	Cum Cum	1	39.00	0.75 Total	0.81	23.73 1167.14
	Total Qty	Cuili			TOLAI		1107.14
11	concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 ems. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2 PWD 18-19,SI No.4.6,Pg No 13						
	RCC Covered Drain PCC for Raft						
	SWD - 0.45m Clear Width	Cum	1	337.78	0.95	0.10	32.09
	SWD - 0.60m Clear Width	Cum	1	157.72	1.10	0.10	17.35
	SWD Chamber	Cum	13	0.70	0.70	0.10	0.64
	Exit Area Driveway	Cum	1	32.86	3.50	0.10	11.50
	Entry Area	Cum Cum	1	86.36 19.00	5.50 4.00	0.10 0.10	47.50 7.60
	Entry Area	Cum	2	31.00	Area	0.10	6.20
		Cum	_	000	Total	0110	122.88
12	KSRB 14.9-2: Providing and laying M-15 cement concrete flooring 60 mm thick with metallic concrete hardner topping, under layer of 45mm thick M-15 cernent concrete using broken granite metal of 20mm and down size and top layer of 15mm thick metallic cement hardner consisting of mix 1:2 (1 cement hardner mix: 2 granite metal 10mm nominal size) by volurne, with metalic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement= 1 part of metallic floor hardening compound of approved quality by wt), including finishing, cost of materials, labour, curing, complete as per specifications. Specification No. KBS 14.4 PWD 18-19,SI No.14.14						
	Exit Area Driveway	Sqm	1	32.86	3.50		115.00
	Exit Area Driveway	Sqm	1	86.36	5.50		475.00
	Entry Area	Sqm	1	19.00	4.00		76.00
				0.4.00			20.00
	Entry Area	Sqm Sqm	2	31.00	Area Total		62.00 728.00

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
13	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregates @ 0.47cum, with super plasticisers @ 3 liters conforming to IS 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedestrals, retaining walls, returnwalls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. PWD 18-19,SI No.4.10,Pg No 14						
·	BCC Covered Praire						
	RCC Covered Drain Raft						
	SWD - 0.45m Clear Width	Cum	1	337.78	0.65	0.15	32.93
	SWD - 0.60m Clear Width	Cum	1	157.72	0.80	0.15	18.93
	SWD Chamber Side wall	Cum	13	0.50	0.50	0.10	0.33
	SWD - 0.45m Clear Width	Cum	2	337.78	0.10	0.61	41.21
	SWD - 0.60m Clear Width	Cum	2	157.72	0.10	0.935	29.49
	SWD Chamber	Cum	13	1.20	0.10	0.30	0.47
	Covered Slab SWD - 0.45m Clear Width	Cum	1	337.78	0.45	0.15	22.80
	SWD - 0.60m Clear Width	Cum	1	157.72	0.60	0.15	14.19
		Cum					160.35
14	Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete with all lead lifts and as per specifications and directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18				Kg/Cum		
	RCC Covered Drain						
	Raft	Kg	1	52.19	75		3914.25
	Side wall Covered Slab	Kg Kg	1	71.17 36.99	75 75		5337.75 2774.25
	Ovvica ciab	Kg		00.00	70		12026.25
		MT					12.03
15	Providing and removing, centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications PWD 18-19,SI No.4.28,Pg No 16						
	RCC Covered Drain						
	Raft side SWD - 0.45m Clear Width	Sqm	2	337.78		0.15	101.33
	SWD - 0.60m Clear Width	Sqm	2	157.72		0.15	47.32
	SWD Chamber	Sqm	13	2.00		0.10	2.60
	RCC Covered Drain Slab Bottom						
·	SWD - 0.45m Clear Width	Sqm	1	337.78	0.45		152.00
	SWD - 0.60m Clear Width	Sqm	1	157.72	0.60		94.63
	Slab side SWD - 0.45m Clear Width	Sqm	2	337.78		0.15	101.33
	SWD - 0.45m Clear Width	Sqm	2	157.72		0.15	47.32
		Sqm					546.53
	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters,						
16	buttresses plinth cills and string courses cost of all materials, labour complete as per specifications. PWD 18-19,SI No.4.31,Pg No 16						
16	buttresses plinth cills and string courses cost of all materials, labour complete as per specifications.						

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	SWD - 0.60m Clear Width	Sqm	4	157.72		0.935	589.87
	SWD Chamber	Sqm	13	2.00		0.30	7.80
		Sqm					1421.85
17	KSRRB M2200 - Providing Weep holes Providing weep holes in Brick masonry / Plain / Reinforced concrete abutment, wing wall / return wall with 100mm dia AC pipe, extending through the full width of the structure with slope of 1V:20H towards drawing force complete as per drawing and Technical specifications complete as per specifications. PWD 18-19,SI No.28.10,Pg No 229						
	, , , , , , , , , , , , , , , , , , ,						
	RCC Covered Drain						,
	SWD Chamber	Nos	26.00				26.00
		Nos					26.00
18	KSRB 2-4 : Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications. PWD 18-19,SI No.2.11,Pg No 7						
	RCC Covered Drain						
	Total Excavated Qty	Cum Cum	-1				582.63
	PCC Qty RCC Qty	Cum	-1 -1				-50.08 -160.35
	UPVC Pipe 110mm Dia	Cum	-1	39.00	0.01		-0.37
		Cum					371.83
19	Providing and fixing unplasticised PVC pipes with working pressure 10 kg/sq.cm with pipe fittings, clips, making good the floor, including cost of all materials, labour charges, HOM and testing complete as per specifications. KSRB 18-19,Pg No.77,SI No.11.56.2						
	do- with 110mm outer dia						
	RCC Covered Drain	Rmt	1.00	39.00			39.00
		Rmt					39.00
20	Providing & Fixing CI Grating (325 x 325mm) for road gully cover including fixing the cover and CM 1:3 Plastering 20mm thick to all exposed faces curing for 90 days with all lead including cost of plastering but excluding cost of concrete etc,completete (As Per EOI)						
	SWD Chamber	Each	13.00				13.00
		Each					13.00
21	KSRB 24-44: Repairs to plaster in patches of 2.5 sqm and less in walls, ceilings 10 to 20mm thick in cement mortar 1:4 including cutting the patches in proper shape and replastering the surface of the wall including disposal of rubbish with a lead of 50m including curing cost of materials, labour, complete as per specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133						
	B2 Block	Sqm	1	255.00		8.00	2040.00
	B5 Block	Sqm	1	47.00		4.00	188.00
	B6 Block B7 Block	Sqm	1	75.00		5.40	405.00 160.00
	B15a Stage	Sqm Sqm	1	40.00 43.00		4.00 4.40	189.20
		Sqm	<u> </u>	.0.00	Total	1.10	2982.20
	Total 30% Quantity	Sqm			Total		894.66
22	Providing and fixing Special make glazed Vitrified tiles (Granomite finish) of approved make, quality and colour of size 600x600x10mm thick fixed on existing flooring with a special roffe adhesive for flooring and skirting etc., complete including providing spears at required interval and removing stains etc., complete. (P.No. 109, I.No. 14.43 of SR 2018-19).						
	B2 Block-GF (Office/Lab/Staff Room)						

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	Office Room	Sqm	1	7.10	7.50		53.25
	LAB Room	Sqm	1	6.40	7.50		48.00
	First Floor						
	Staff Room	Sqm	1	15.00	7.50		112.50
	Office room	Sqm	1	5.00	7.50		37.50
	Lab Room	Sqm	1	45.00	Area		45.00
	Kitchen - GF	C	4	2.45	4.05		45.00
	Flooring B5- Kitchen	Sqm Sqm	1	3.15 3.30	4.85 3.50		15.28 11.55
	D5- Kilchen	Sqm	<u> </u>	3.30	3.50		11.55
	B2 Block-GF (Inside Class Room/Common area)						
	Kumaradhara	Sqm	1	7.70	7.50		57.75
	Aganashini	Sqm	1	7.00	7.50		52.50
	Jana Raga	Sqm	1	6.40	7.50		48.00
	Netravati	Sqm	1	7.10	7.50		53.25
	Krishna	Sqm	1	7.00	7.50		52.50
	Nandini	Sqm	1	7.70	7.50		57.75
	Janaraga Class Room	Sqm	1	7.70 7.50	5.90		45.43 64.50
	Common Area	Sqm	1	Area	8.60		64.50
	Front side	Sqm	1	223.50			223.50
	Back side	Sqm	1	286.00			286.00
	Right Side	Sqm	1	21.00			21.00
	Left side	Sqm	1	20.00			20.00
	Entry side	Sqm	1	185.00			185.00
	B2 Block-FF (Inside Class Room/Common area)						
	Yamuna	Sqm	1	7.70	7.50		57.75
	Godhavari	Sqm	1	7.00	7.50		52.50
	Narmada	Sqm	1	7.05	7.50		52.88
	Sindu Kaveri	Sqm Sqm	1	6.50 7.70	7.50 7.50		48.75 57.75
	Common Area	Sqiii		Area	7.50		57.73
	Front side	Sqm	1	84.00			84.00
	Front side	Sqm	1	12.00			12.00
	Front side	Sqm	1	99.00			99.00
	Back side	Sqm	1	110.00			110.00
	Back side	Sqm	1	31.00			31.00
	Back side	Sqm	1	124.00			124.00
	Right Side	Sqm	1	46.00			46.00
	Left side B5	Sqm	1	45.00			45.00
	Flooring-GF						
	Class room	Sqm	1	8.15	5.95		48.49
	Class room	Sqm	1	8.15	5.95		48.49
	Skirting	Sqm	2	28.20		0.15	8.46
	Passage	Sqm	1	17.00	2.14		36.38
	Ded Column	Sqm	-7	0.33	0.33		-0.76
	DC.						
	B6 Flooring GF						
	Class Room	Sqm	1	7.09	5.50		39.00
	Class Room	Sqm	1	6.89	5.50		37.90
	Hall/Class Room	Sqm	1	15.73	5.95		93.59
	Skirting	Sqm	1	25.18		0.15	3.78
		Sqm	1	24.78		0.15	3.72
· · · ·		Sqm	1	43.36		0.15	6.50
	Passage	Sqm	1	66.00	Area		66.00
	B7						
	Flooring GF	0	1	6.00	6.00		07.00
	Class Room Class Room	Sqm Sqm	1	6.20 6.70	6.00 6.00		37.20 40.20
	Skirting	Sqm	1	24.40	0.00	0.15	3.66
	g	Sqm	1	25.40		0.15	3.81
	Passage	Sqm	1	25.00	Area		25.00
	-						
	Block 15a - Stage						
	Stage Flooring	Sqm	1	13.15	4.00		52.60
	David Carrier David	Sqm	1	2.50	3.30		8.25
	Boys Green Room	Sqm	1	5.10	3.05		15.56
	Girls Green Room Front Area	Sqm Sqm	1	5.10 6.75	3.05 1.00		15.56 6.75
	Skirting	Sym	'	0.75	1.00		0.75
	Stage Flooring	Sqm	2	17.15		0.15	5.15
	- Casago i rooming	Sqm	2	5.80		0.15	1.74
	Boys Green Room	Sqm	2	8.15	1	0.15	2.45

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	Girls Green Room	Sqm	2	8.15		0.15	2.45
	Block 15a - Stage	Sqm	1	34.30		0.15	5.15
	Stage Flooring	Sqm	1	20.60		0.15	3.09
	Skirting -FF			44.00		0.45	
	Boys Green Room	Sqm Sqm	1	11.60 16.30		0.15 0.15	1.74 2.45
	Girls Green Room	Sqm	1	16.30		0.15	2.45
	Flooring - GF	Sqm	1	40.40		0.15	6.06
	Skirting - SF						
	Room	Sqm	1	11.40		0.15	1.71
	Total Qty			_			2945.42
	Total Qty @ 80%	Sqm		To	otal		2356.33
23	Providing and laying of teak wooden polished flooring of 12mm thick, high density timber of approved colour and design with end trims, transition, profiles, beading, 15mm thick felt, and 20 micron polyester film with 4mm thick foam underlay etc., (P.No.113, I.No.14.70 of PWD SR 2018-19)						
	B2 Block		4	7.50	4.50		00.75
	FF-Principal Room	Sqm Sqm	1	7.50	4.50		33.75 33.7 5
		oqiii					33.73
24	KSRB 14.14-5: Providing Ceramic tiles of approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing, complete as per specifications for Ceramic Tiles of size 30x30cms 6mm thick. PWD 18-19,SI No.14.36.2,Pg No.107 and 108						
	B2 Block						
	LAB Room Lab Room	Sqm	1	6.40	7.50		48.00 45.00
	FF-Saraswati Hall	Sqm Sqm	1	45.00 21.50	Area 7.50		161.25
	FF-Principal chamber Balcony	Sqm	1	6.30	5.00		31.50
	Toilet - GF						
	Flooring Kitchen - GF	Sqm	1	2.50	4.50		11.25
	Flooring	Sqm	1	3.15	4.85		15.28
	B5 Block	- 1					
	Kitchen	Sqm	1	3.30	3.50		11.55
	Total Qty						323.83
25	Providing and laying pattern flooring for staircase treads and risers using the combination of 20mm thick ruby red granite @ 66%,20 mm thick grey granite @ 20%, 20mm thick, 20mm thick black granite 14%. The granite materials are laid on existing bed of CM 1:3 20mm thick pointed with colour pigment, including full rounding for nosing, flaming the ruby red granite for 50 mm wide curing etc., complete as per specification. (P.No. 109, I.No. 14.46 of PWD SR 2018-19)						
	Main Staircase	0	00	4.00	0.00		0.50
	Tread Riser	Sqm Sqm	22 25	1.30 1.30	0.30	0.15	8.58 4.88
	B2	Oqiii	20	1.50		0.10	7.00
	Entry Steps						
	Front side	Cum	1	3.30	0.30	0.15	0.15
	Back side	Cum Cum	1	4.50 3.15	0.30 0.30	0.15 0.15	0.20
		Cum	1	4.35	0.30	0.15	0.20
	Back side	Cum	4	3.30	0.30	0.15	0.59
	Right side	Cum Cum	4 1	4.50 3.30	0.30 0.30	0.15 0.15	0.81 0.15
	INGIL SIGE	Cum	1	4.50	0.30	0.15	0.10
	B5						
	Entry Step-Tread	Sqm	1	4.48	0.30		1.34 1.52
	Entry Step-Riser	Sqm Sqm	1	5.08 4.48	0.30	0.23	1.52
	- /	Sqm	1	5.08	<u> </u>	0.23	1.17
	2nd Step Riser	Sqm	3	0.90		0.15	0.41

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	B6						
	Entry Step Step 1 - Tread	Sqm	1	0.98	Area		0.98
	Step 1 - Tread Step 1 - Tread	Sqm	1	1.15	Area		1.15
	Step 1 - Riser	Sqm	1	3.60	Alca	0.15	0.54
	Step 1 - Riser	Sqm	1	4.20	-	0.15	0.63
	Step 2 - Tread	Sqm	1	1.45	Area	0110	1.45
	Step 2 -Tread	Sqm	1	1.80	Area		1.80
	Step 2 - Riser	Sqm	1	4.80		0.15	0.72
	Step 2 -Riser	Sqm	1	5.40		0.15	0.81
	Step 3 - Tread	Sqm	1	2.40	Area		2.40
	Step 3 -Tread	Sqm	1	2.80	Area		2.80
	Step 3 - Riser	Sqm	1	8.30		0.15	1.25
	Step 3 -Riser	Sqm	1	8.90		0.15	1.34
					<u> </u>		38.04
26	Repairing door and window frames with available wood to the required size. PWD 18-19,SI No.37.12,Pg No 267						
	B2 Block	0		0.00	<u> </u>	0.40	0.70
	D1	Sqm	2	0.90		2.10	3.78
	W	Sqm	6	1.20 0.75	 	1.50 0.90	10.80
	W1 W3	Sqm Sqm	1 12	1.15	 	1.16	0.68 16.01
	W7	Sqm	2	1.13		1.10	2.88
	D3	Sqm	2	1.30	 	2.40	6.24
	W2	Sqm	20	1.80		2.65	95.40
	D D	Sqm	30	1.20		1.50	54.00
	W3	Sqm	6	1.15		1.16	8.00
	W6	Sqm	18	1.20		1.60	34.56
	D	Sqm	26	1.35		2.10	73.71
	D2	Sqm	3	0.90		2.10	5.67
	D3	Sqm	2	1.30		2.40	6.24
	W	Sqm	6	1.30		0.90	7.02
	W1	Sqm	2	1.80		0.90	3.24
	B5 Block						
	Window	Sqm	10	1.22		1.12	13.66
	Door	Sqm	2	1.20	<u> </u>	1.90	4.56
	W1	Sqm	1	0.75		1.20	0.90
	D1	Sqm	1	0.90	<u> </u>	2.10	1.89
	B6 Block	Causa	10	4.20		4.00	40.05
	Window with mesh	Sqm Sqm	16 6	1.36 1.35		1.96 2.73	42.65 22.11
	Door Top Mesh	Sqm	9	1.35	 	0.60	7.29
	Top Mesh B7 Block	Sqiii	9	1.55	1	0.00	1.23
	Window with	Sqm	4	1.18		1.50	7.08
	Door	Sqm	4	1.20		2.05	9.84
	Block 15a - Stage	Oqiii	<u> </u>	1.20		2.00	0.0
	Door-D	Sqm	2	1.20		2.10	5.04
	Door-D1	Sqm	2	1.15		2.10	4.83
	Window-W	Sqm	1	1.50		1.20	1.80
	Total Qty						449.88
	Total 70% Quantity	Sqm			Total		314.92
27	Repairing and fixing shutters (panelled or glazed) to doors, windows, ventilators and cupboards. PWD 18-19,SI No.37.13,Pg No.267						
	B2 Block						
	D1	Sqm	2	0.90		2.10	3.78
-	W	Sqm	6	1.20		1.50	10.80
	W1	Sqm	1	0.75		0.90	0.68
	W3	Sqm	12	1.15		1.16	16.01
	W7	Sqm	2	1.20		1.20	2.88
	D3	Sqm	2	1.30		2.40	6.24
	W2	Sqm	20	1.80	<u> </u>	2.65	95.40
	D	Sqm	30	1.20	 	1.50	54.00
	W3	Sqm	6	1.15	 	1.16	8.00
	W6	Sqm	18	1.20		1.60	34.56
	D D2	Sqm	26	1.35		2.10	73.71
	D2	Sqm	3	0.90		2.10	5.67
	D3	Sqm	2	1.30	ļ	2.40	6.24
	W	Sqm	6	1.30		0.90	7.02

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	B5 Block	0	40	4.00		4.40	40.00
	Window	Sqm	10	1.22		1.12	13.66
	Door	Sqm	2	1.20		1.90	4.56
	W1	Sqm	1	0.75		1.20	0.90
	D1	Sqm	1	0.90		2.10	1.89
	B6 Block	Cam	16	1.26		4.00	40.05
	Window with mesh	Sqm	16	1.36		1.96	42.65
	Door Top Moob	Sqm Sqm	6 9	1.35 1.35		2.73	22.11
	Top Mesh	Sqm	9	1.35		0.60	7.29
	B7 Block Window with	Cam	4	1 10		4.50	7.00
	Door	Sqm	4	1.18 1.20		1.50	7.08
		Sqm	4	1.20		2.05	9.84
	Block 15a - Stage	Cam	2	1.20		0.40	5.04
	Door-D Door-D1	Sqm	2	1.20 1.15		2.10	5.04
		Sqm	2			2.10	4.83
	Window-W	Sqm	1	1.50		1.20	1.80
	Total Qty	Sqm			T-4-1		449.88
	Total 70% Quantity	Sqm			Total		314.92
28	KSRB 15-15.1: Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - do- with primer PWD 18-19,SI No.15.51.2,Pg No.119						
	B2 Block						
	GF-Building Wall						
	Outer face Wall	Sqm	1	245.00		4.00	980.00
	Inner wall Face	Sqm	4	30.00		4.00	480.00
	Inner wall Face	Sqm	2	15.00		4.00	120.00
			1	70.00			
	Inner wall Face	Sqm	20	7.50		4.00	280.00
	Partition Wall	Sqm	20	7.50		4.00	600.00
	Deduction Opeinings	C =====	20	4.00		2.05	05.40
	W2	Sqm	-20	1.80		2.65	-95.40
	D	Sqm	-30	1.20		1.50	-54.00
	FF-Building Wall	0	-	245.00		4.00	980.00
	Outer face Wall	Sqm	1			4.00	
	Inner wall Face	Sqm	2	30.00		4.00 4.00	480.00 120.00
	Inner wall Face	Sqm		15.00			
	Inner wall Face	Sqm	1	70.00		4.00	280.00
	Partition Wall	Sqm	18	7.50		4.00	540.00
	Deduction Opeinings	-	_	4.45		4.40	0.00
	W3	Sqm	-6	1.15		1.16	-8.00
	W6	Sqm	-18	1.20		1.60	-34.56
	D	Sqm	-26	1.35		2.10	-73.71
	D2	Sqm	-3	0.90		2.10	-5.67
	D3	Sqm	-2	1.30		2.40	-6.24
	B5 Block			1			
	Painting (Internal Wall)	_		0.45		4.00	400 :-
	Class Room	Sqm	4	8.15		4.00	130.40
	Class Room	Sqm	4	5.95		4.00	95.20
	Deduction	C	40	4.00		4.40	40.00
	Window	Sqm	-10	1.22		1.12	-13.66
	Door	Sqm	-2	1.20		1.90	-4.56
	Kitchen	Sqm	2	3.30		4.00	26.40
		Sqm	2	3.54		4.00	28.32
	Ded-W1	Sqm	-1	0.75		1.20	-0.90
	Ded-D1	Sqm	-1	0.90		2.10	-1.89
	B6 Block			1			
	Painting (Internal Wall)			7.00			
	Class Room	Sqm	2	7.09		5.00	70.90
	Class Room	Sqm	2	5.50		5.00	55.00
	Class Room	Sqm	2	6.90		5.00	69.00
	Class Room	Sqm	2	5.50		5.00	55.00
	Hall/Class room	Sqm	2	15.73		5.00	157.30
	Hall/Class room	Sqm	2	5.95		5.00	59.50
	Deduction			ļ			
	Window with mesh	Sqm	-16	1.36		1.96	-42.65
	Door Top Mesh	Sqm Sqm	-6 -9	1.35 1.35		2.73 0.60	-22.11 -7.29

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	Painting (Internal Wall)	Cam	2	6.20		F 00	00.00
	Class Room Class Room	Sqm Sqm	2	6.00		5.00 5.00	62.00 60.00
	Class Room	Sqm	2	6.70		5.00	67.00
	Class Room	Sqm	2	6.00		5.00	60.00
	Deduction	Oqiii		0.00		0.00	00.00
	Window with	Sqm	-4	1.18		1.50	-7.08
	Door	Sqm	-4	1.20		2.05	-9.84
	Block 15a - Stage	'					
	Painting (Internal Wall)						
	Stage	Sqm	1	13.15		3.00	39.45
		Sqm	1	6.40		3.00	19.20
		Sqm	2	4.00		3.00	24.00
		Sqm	2	3.30		3.00	19.80
	Boys Green Room	Sqm	2	5.10		3.00	30.60
		Sqm	2	3.05		3.00	18.30
	Girls Green Room	Sqm	2	5.10		3.00	30.60
		Sqm	2	3.05		3.00	18.30
	Deduction						
	Door-D	sqm	-2	1.20		2.10	-5.04
	Door-D1	sqm	-2	1.15		2.10	-4.83
	Window-W	sqm	-1	1.50		1.20	-1.80
	Staircase Hand rail	Sqm	4	3.60		1.00	14.40
	Total Quantity	Sqm			Total		5671.43
20	Supplying and fixing new Mangalore tiles on existing reepers. PWD 18-19,SI No.37.9,Pg No.267						
29	-						
	Total Area	Sqm					1507.22
		Sqm			Total		1507.22
	Total 60% Quantity	Sqm			Total		904.33
	Total 0070 Quantity	Oqiii			Total		304.33
30	Removing and fixing old Mangalore ridge tiles including pointing with C.M. 1:3. PWD 18-19,SI No.37.10,Pg No.267						
	Total Area						
		Rmt	1	230.80			231.00
	T-t-LC00/ Overstite	·			-		231.00
	Total 60% Quantity	Rmt			Total		138.60
31	KSRB 15-17.19: Providing and applying painting one coat (excluding priming coat) on previously painted wood surface and / or wood based surface with black japan paint to give an even shade after cleaning the surface of all dirt, dust and foreign matter, including cost of materials, labour, complete as per specifications. PWD 18-19,SI No.15.71,Pg No.123						
	B2 Block						
	D1	Sqm	2	0.90		2.10	3.78
	W	Sqm	6	1.20		1.50	10.80
	W1	Sqm	1	0.75		0.90	0.68
	W3	Sqm	12	1.15		1.16	16.01
	W7	Sqm	2	1.20		1.20	2.88
	D3	Sqm	2	1.30		2.40	6.24
	W2	Sqm	20	1.80		2.65	95.40
	D	Sqm	30	1.20		1.50	54.00
	W3	Sqm	6	1.15		1.16	8.00
	W6	Sqm	18	1.20		1.60	34.56
	D	Sqm	26	1.35		2.10	73.71
	D2	Sqm	3	0.90		2.10	5.67
	D3	Sqm	2	1.30		2.40	6.24
	W	Sqm	6	1.30		0.90	7.02
	W1	Sqm	2	1.80		0.90	3.24
	B5 Block	C ===	40	4.00		4.40	40.00
	Window	Sqm	10	1.22		1.12	13.66
	Door	Sqm	2	1.20		1.90	4.56
	W1	Sqm	1	0.75		1.20	0.90
	D1 B6 Block	Sqm	1	0.90		2.10	1.89
	Window with mesh	Sqm	16	1.36		1.96	42.65
·	Door	Sqm	6	1.35		2.73	22.11
	Top Mesh	Sqm	9	1.35		0.60	7.29

priming coat) on prewwood based surface wood based surface was shade after cleaning matter, including cost specifications. PWD 18-19,SI No.15 Same as above SI No. KSRB 8.4: Providing first class tiles with newood reepers and po existing rafters includ complete as per species. 17KSRB 8.4-2: do-PWD 18-19,SI No.8.1 Total Area B5 & B6 SI No.29 -40% Qty Total Quantity Waterproofing of RCO water retaining struction deleaning and Groconstruction joints with litr of water) added with followed by spraying silicates @ 0.40 ltr permicro porosity and all silicates to penetrate waterproofing impreguinear copolymer @ 0 polymer slurry made waterproofing impreguinear copolymer @ 0 polymer slurry made waterproofing impreguinear copolymer & cement in whole surface, include equipments, all compower pwD 18-19,SI No.10 B2 Block B5 Block B6 Block B7 Block B7 Block B8 Block B7 Block B8 Block B8 Block B8 Block B9 Block B7 Block B8 Block B8 Block B9 Block B9 Block B7 Block B8 Block B9 B	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
Block 15a - Stage Door-D Door-D1 Window-W Total Qty KSRB 15-17.19:Apply priming coat) on prew wood based surface was specifications. PWD 18-19,SI No.15 Same as above SI No. KSRB 8.4: Providing first class tiles with new wood reepers and powexisting rafters included complete as per specifications. PWD 18-19,SI No.8.1 Total Area B5 & B6 SI No.29 -40% Qty Total Quantity Waterproofing of RCC water retaining struction and cleaning and Groc construction joints with litr of water) added with followed by spraying willicates @ 0.40 ltr permicro porosity and all silicates to penetrate waterproofing impreguinear copolymer @ 0 polymer slurry made waterproofing impreguinear copolymer @ 0 polymer @ 0 polymer slurry made waterproofing impreguinear copolymer @ 0 polymer							
Block 15a - Stage Door-D Door-D1 Window-W Total Qty KSRB 15-17.19:Apply priming coat) on prew wood based surface was specifications. PWD 18-19,SI No.15 Same as above SI No. KSRB 8.4: Providing first class tiles with new wood reepers and powexisting rafters included complete as per specifications. PWD 18-19,SI No.8.1 Total Area B5 & B6 SI No.29 -40% Qty Total Quantity Waterproofing of RCC water retaining struction go in the water retaining struction and cleaning and Groc construction joints with litr of water) added with followed by spraying willicates @ 0.40 ltr permicro porosity and all silicates to penetrate waterproofing impreguinear copolymer @ 0 polymer slurry made waterproofing impreguinear copolymer @ 0 polymer @ 0 polymer slurry made w	1	Sqm	4	1.18		1.50	7.08
Door-D Door-D1 Window-W Total Qty KSRB 15-17.19:Apply priming coat) on prew wood based surface wood based surface wood based surface wood based surface wood based surface wood specifications. PWD 18-19,SI No.15 Same as above SI No. KSRB 8.4: Providing first class tiles with new wood reepers and po existing rafters include complete as per specifications. Total Area B5 & B6 SI No.29 -40% Qty Total Quantity Waterproofing of RCC water retaining struct and cleaning and Groconstruction joints with litr of water) added with followed by spraying silicates @ 0.40 ltr permicro porosity and all silicates to penetrate waterproofing impregulinear copolymer @ 0 polymer slurry made waterproofing impregulinear copolymer @ 0 polymer slurry made waterproofing impregulinear copolymer wood butadiene & cement in whole surface, include equipments, all comp PWD 18-19, SI No.10 B2 Block B5 Block B6 Block B7 Block B7 Block B7 Browering Plants and shrubs KSRRB In Flowering Plants and shrubs KSRRB In Flowering Plants and shrubs in central vergen PWD 18-19, SI No.19		Sqm	4	1.20		2.05	9.84
Door-D1 Window-W Total Qty KSRB 15-17.19:Apply priming coat) on prewood based surface of shade after cleaning matter, including cost specifications. PWD 18-19,SI No.15 Same as above SI No. KSRB 8.4: Providing first class tiles with new ood reepers and poexisting rafters included complete as per specifications. Total Area B5 & B6 SI No.29 -40% Qty Total Quantity Waterproofing of RCC water retaining struction and cleaning and Groconstruction joints with litr of water) added with followed by spraying silicates @ 0.40 ltr per micro porosity and all silicates to penetrate waterproofing impreguinear copolymer @ 0 polymer slurry made waterproofing impreguinear copolymer @ 0 polymer slurry made waterproofing impreguinear copolymer & complete as per specifications. B2 Block B5 Block B6 Block B7 Block B7 Block B8 Block B8 Block B9 Block B9 Block B9 Block B7 Block B8 Block B9 Block B9 Block B9 Block B9 Block B9 Block B1 Block B1 Block B1 Block B1 Block B2 Block B3 Block B4 Block B5 Block B6 Block B7 Block B8 Block B9 B	Stage						
Window-W Total Qty KSRB 15-17.19:Apply priming coat) on previous based surface wood based surface wood based surface wood based street cleaning matter, including cost specifications. PWD 18-19,SI No.15 Same as above SI No. KSRB 8.4: Providing first class tiles with new wood reepers and point existing rafters included complete as per specifications. Total Area B5 & B6 SI No.29 -40% Qty Total Quantity Waterproofing of RCG water retaining struction and cleaning and Grocial construction joints with litricial of water) added with followed by spraying willicates @ 0.40 ltrip micro porosity and all silicates to penetrate waterproofing impreguinear copolymer @ 0 polymer slurry made waterproofing impreguinear copolymer & complete waterproofing impreguinear copolymer & complete waterproofing impreguinear copolymer & complete waterproofing impreguinear copolymer & complete		Sqm	2	1.20		2.10	5.04
KSRB 15-17.19:Apply priming coat) on prewood based surface wood based surface shade after cleaning matter, including cost specifications. PWD 18-19,SI No.15 Same as above SI No. KSRB 8.4: Providing first class tiles with new wood reepers and poexisting rafters includ complete as per specient specifications. Total Area B5 & B6 SI No.29 -40% Qty Total Quantity Waterproofing of RCG water retaining struct and cleaning and Groconstruction joints with litr of water) added with followed by spraying silicates @ 0.40 ltr pemicro porosity and all silicates to penetrate waterproofing impreguinear copolymer @ 0 polymer slurry made waterproofing impreguinear copolymer @ 0 polymer slurry made waterproofing impreguinear copolymer & complete as per specificates waterproofing impreguinear copolymer & no.40 ltr pemicro porosity and all silicates to penetrate waterproofing impreguinear copolymer & complete & cement in whole surface, include equipments, all compute pWD 18-19, SI No.10 B2 Block B5 Block B6 Block B7 Block Terrace Floor Waterproof CRC Roof Waterproof CRC Roof Waterproof CRC Roof Waterproof CRC Roof Waterproof CRC Roof Waterproof CRC Roof Waterproof CRC Roof Waterproof CRC Roof Waterproof CRC Roof Waterproof CRC Roof Waterproof		Sqm	2	1.15		2.10	4.83
KSRB 15-17.19:Apply priming coat) on prew wood based surface wood based surface wood based surface wood based surface wood specifications. PWD 18-19,SI No.15 Same as above SI No. KSRB 8.4: Providing first class tiles with new wood reepers and poexisting rafters include complete as per species. 17KSRB 8.4-2: do-PWD 18-19,SI No.8.1 Total Area B5 & B6 SI No.29 -40% Qty Total Quantity Waterproofing of RCG water retaining struction and cleaning and Groconstruction joints with litr of water) added with followed by spraying silicates @ 0.40 ltr permicro porosity and all silicates to penetrate waterproofing impreguinear copolymer @ 0 polymer slurry made waterproofing impreguinear copolymer @ 0 polymer slurry made waterproofing impreguinear copolymer & complete waterproofing impreguinear copolymer & complete & cement in whole surface, included equipments, all computed butadiene & cement in whole surface, included equipments, all computed butadiene & cement in whole surface, included equipments, all computed butadiene & cement in whole surface, included equipments, all computed in the surface waterproofing impreguinear copolymer glur waterproofing impreguinear copolymer glur waterproofing impreguinear copolymer glur glur waterproofing impreguinear copolymer glur glur glur glur glur glur glur glu		Sqm	1	1.50		1.20	1.80
priming coat) on prewood based surface wood based surface wood based surface wood based surface wood specifications. PWD 18-19,SI No.15 Same as above SI No. KSRB 8.4: Providing first class tiles with new wood reepers and poexisting rafters include complete as per species. 17KSRB 8.4-2: do-PWD 18-19,SI No.8.1 Total Area B5 & B6 SI No.29 -40% Qty Total Quantity Waterproofing of RCC water retaining struction and cleaning and Groconstruction joints with litrof water) added with followed by spraying silicates @ 0.40 ltr permicro porosity and all silicates to penetrate waterproofing impreguinear copolymer @ 0 polymer slurry made waterproofing impreguinear copolymer @ 0 polymer slurry made waterproofing impreguinear copolymer & complete waterproofing impreguinear copolymer & complete waterproofing impreguinear copolymer & complete & co							449.88
KSRB 8.4: Providing first class tiles with ne wood reepers and po existing rafters includ complete as per spec 8.17KSRB 8.4-2: do-PWD 18-19,SI No.8.1 Total Area B5 & B6 SI No.29 -40% Qty Total Quantity Waterproofing of RCG water retaining structrand cleaning and Groconstruction joints wit ltr of water) added wit followed by spraying silicates @ 0.40 ltr per micro porosity and all silicates to penetrate waterproofing impreg linear copolymer @ 0 polymer slurry made butadiene & cement i whole surface, includ equipments, all comp PWD 18-19,SI No.10 B2 Block B5 Block B6 Block B7 Block Terrace Floor Waterproof KSRRB M300- Plantiand Shrubs KSRRB I Flowering Plants and shrubs in central vergen PWD 18-19,SI No.19	SI No.15.72,Pg No.123						
first class tiles with new wood reepers and po existing rafters includ complete as per species. 17KSRB 8.4-2: do-PWD 18-19,SI No.8.1 Total Area B5 & B6 SI No.29 -40% Qty Total Quantity Waterproofing of RCC water retaining structrand cleaning and Groconstruction joints with litr of water) added with followed by spraying silicates @ 0.40 ltr permicro porosity and all silicates to penetrate waterproofing impreguinear copolymer @ 0 polymer slurry made butadiene & cement in whole surface, included equipments, all compound proportion of the surface included equipments, all compound proportion of the surface included equipments and shrubs KSRRB M300- Planting and Shrubs KSRRB M300- Planting and Shrubs KSRRB M300- Planting Plants and shrubs in central vergence of the surface included in the surface floor waterproof in the su	ove SI No.22	Sqm	1		Total		449.88
SI No.29 -40% Qty Total Quantity Waterproofing of RCG water retaining structs and cleaning and Gro construction joints wit ltr of water) added wit followed by spraying silicates @ 0.40 ltr pe micro porosity and all silicates to penetrate waterproofing impreg linear copolymer @ 0 polymer slurry made of butadiene & cement i whole surface, includ equipments, all comp PWD 18-19,SI No.10 B2 Block B5 Block B6 Block B7 Block Terrace Floor Waterp RCC Roof Waterproof KSRRB M300- Planti and Shrubs KSRRB I Flowering Plants and shrubs in central verg PWD 18-19,SI No.19	Providing and fixing Mangalore tile roofing using es with necessary special tiles for ridges and hips, rs and pointed with cement mortar 1:4 over the ers including cost of materials, labour, curing per specifications. Specification No. KBS 8.4-2: do- Nandi wood reepers of size 50x25mm SI No.8.11						
Total Quantity Waterproofing of RCG water retaining structs and cleaning and Groconstruction joints with ltr of water) added with followed by spraying silicates @ 0.40 ltr permicro porosity and all silicates to penetrate waterproofing impreguinear copolymer @ 0 polymer slurry made butadiene & cement in whole surface, include equipments, all compulation per limit whole surface, include equipments, all compulation per limit whole surface, include equipments, all compulation per limit whole surface, include equipments, all compulation per limit whole surface, include equipments, all compulation whole surface, include equipments, all compulation who surface, include equipments, all compulation who surface, include equipments, all compulations. B2 Block B5 Block B6 Block B7 Block Terrace Floor Waterprocessor waterprocessor		Sqm	1				450.38
Waterproofing of RCC water retaining structs and cleaning and Groc construction joints with ltr of water) added with followed by spraying silicates @ 0.40 ltr permicro porosity and all silicates to penetrate waterproofing impregulinear copolymer @ 0 polymer slurry made butadiene & cement in whole surface, include equipments, all compulation per location with the surface in the s	0% Qty	Sqm	1				602.89
water retaining structs and cleaning and Groconstruction joints with ltr of water) added with followed by spraying silicates @ 0.40 ltr permicro porosity and all silicates to penetrate waterproofing impregulinear copolymer @ 0 polymer slurry made butadiene & cement in whole surface, include equipments, all compulation per per per per per per per per per per	tity	Sqm					1053.26
B5 Block B6 Block B7 Block Terrace Floor Waterproce RCC Roof Waterproce KSRRB M300- Planti and Shrubs KSRRB I Flowering Plants and shrubs in central verg PWD 18-19,SI No.19	ing structure by preparing the surface by chipping and Grouting of Honey comb, voids,cracks / joints with cement slurry (1kg cement added in 10 added with 100gm of inorganic accelerator, spraying of liquid biological modified alkaline earth 0.40 ltr per sqm on whole surface to reduce the ity and allowing it to dry, curing the surface for the benetrate deeper into the concrete and spraying ag impregnate liquid containing silane and silanolymer @ 0.50 ltr per sqm and finally applying try made out of cross linked acrylic / styrene / cement in the ratio of 1:0.1, @0.50kg/sqm on the ce, including all labour charges tools and all complete as per the specification SI No.10.5.1,Pg No 69						
B5 Block B6 Block B7 Block Terrace Floor Waterproce RCC Roof Waterproce KSRRB M300- Planti and Shrubs KSRRB I Flowering Plants and shrubs in central verg PWD 18-19,SI No.19		Sqm	1	255.00		0.30	76.50
B6 Block B7 Block Terrace Floor Waterproce RCC Roof Waterproce KSRRB M300- Planti and Shrubs KSRRB I Flowering Plants and shrubs in central verg PWD 18-19,SI No.19		Sqm	1	47.00		0.30	14.10
B7 Block Terrace Floor Waterproce RCC Roof Waterproce KSRRB M300- Planti and Shrubs KSRRB I Flowering Plants and shrubs in central verg PWD 18-19,SI No.19		Sqm	1	75.00		0.30	22.50
Terrace Floor Waterproce RCC Roof Waterproce KSRRB M300- Planti and Shrubs KSRRB I Flowering Plants and shrubs in central verg PWD 18-19,SI No.19		Sqm	1	40.00		0.30	12.00
KSRRB M300- Planti and Shrubs KSRRB I Flowering Plants and shrubs in central verg PWD 18-19,SI No.19	or Waterproofing	Sqm	1	52.00	Area	3.30	52.00
KSRRB M300- Planti and Shrubs KSRRB I Flowering Plants and shrubs in central verg PWD 18-19,SI No.19		Sqm	1	13.80	9.00		124.20
and Shrubs KSRRB I Flowering Plants and shrubs in central verg PWD 18-19,SI No.19		Sqm			Total		301.30
Total Area	00- Planting and Maintaining of Flowering Plants KSRRB M300- 8.1. Planting and Maintaining of lants and Shrubs - A) Planting flowering plants and intral verge MORTH Specification No. 307 SI No.19.86,Pg No 149						
i olai Alba		Rmt	1	101.00			101.00
		Rmt			otal		101.00

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
36	Providing and laying heavy duty Tactile Tiles (Direction and Stop tiles-300 x 300 mm) 60mm thick and Yellow in colour, using cement and course sand for manufacture of blocks of approved size, shape with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. (As Per EOI)						
	Building & Basket Ball Ground Surrounding	Sam	1	139.11	4.50		626.00
		Sqm	1	19.40	5.00		97.00
		Sqm Sqm	1	30.67 121.8	3.00 5.00		92.00 609.00
	Total Qty	Sqm					1424.00
	Total Qty @ 30%	Sqm			Total		284.80
37	KSRRB M300-Turfing lawns with fine grassing including ploughing, dressing KSRRB M300-5. Turfing lawns with fine grassing including ploughing, dressing including breaking of clods, removal of rubbish, dressing and supplying doobs grass roots at 10 cm apart, including supplying and spreading of farm yard manure at rate of 0.6 cum per 100 sqm complete as per specifications. MORTH Specification No. 307 PWD SOR 18-19,SI No.19.82,Pg No149						
	Badminton Court	Sqm	1.00	13.00	6.00		78.00
	Total Qty	Sqm					78.00
38	KSRRB M300- Maintenance of lawns with fine grassing for the first year KSRRB M300-6. Maintenance of lawns with fine grassing for the first year including watering etc complete as per specifications. MORTH Specification No. 307. PWD SOR 18-19,SI No.19.83,Pg No149						
	Badminton Court	Sqm	1.00	13.00	6.00		78.00
		Sqm			Total		78.00
39	Providing and fixing Vitrified glazed tiles of approved make, quality & colour of size 900 x 900 x 12mm thick fixed on bed of 12mm thick cement mortar for flooring, skirting and JOinted with neat cement slurry mixed with pigment to mach shade of tiles, including providing spacers at required interval and removing stains, including cost of all mateirals, mortar, labour, etc., Complete as per specification. (KPWD 18-19,SI.No.14.45.1)						
	Building & Basket Ball Ground Surrounding	Sqm	1.00				1424.00
	Total Qty @ 80%	Sqm			Total		1139.20
40	KSRB 2.9 : Spreading and forming the excavated earth to required level, slope for an average thickness of 75mm. in all classes of soils including breaking clods and tamping manually alround the building and low laying areas complete as per specifications.specification. No. KBS : (KSRB 18-19,Pg No.7,SI No.2.16)						
	Near Basket Ball Ground	Sqm	1.00	14.88	8.60		128.00
	Play ground Area	Sqm	1.00	36.82	17.00		626.00
	Backside Building Near Exit Driveway Side	Sqm Sqm	1.00	182.86 44.29	3.50 3.50		640.00 155.00
	Near Playground	Sqm	1.00	26.71	7.00		187.00
		Sqm			Total		1736.00
41	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete. do- of size 450 x 150 x 400 mm (KSRRB 18-19,Pg No.27,SI No.5.29.1)						
	Total Qty for 1 Kerb Stone	Cum	1.00	0.45	0.33	0.4	0.06
	Total Qty	Rmt	1.00	128.00			128.00

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	Total Qty	No			Total		284.00
42	1 Surface Preparation: Saw cutting further to construction and contol joints in floor to 10mm wide x 10mm deep as shear key, include surface preparation by mechanical means using Grinding machines with frequency control drive and planetry drive, equipped with a vaccum pipe for dust collection. where operating width should not be more than 400mm, power 5HP 3phase, voltage 220V/415V, Motor speed should be 700 RPM-900 RPM followed by Hand grinding machine for non approachable areas as directed in BS 8203: Code of practice for installation of resilient floor coverings,BS 8204 Parts 1, 3, 6 and 7 and FERFA followed by as required all in complete as per manufacturers and EIC. Work need to be done by flooring specialist only recommended by Flowcrete only. 2.Clean the surface thoroughly, fix the shear anchor with designed gap of construction and control joint.						
	3. Supplying and Installing Versaspeed / Thin top Supreme/ Eucocrete of FLOWCRETE (USA) versatile, single- component, rapid-setting mortar for horizontal, and form and pour repair projects. Requiring only the addition of water and 25% -40% pea aggregates, where the compressive strength should be 58.6Mpa as per ASTM C 109, Flexural strength as per ASTM C 348 should be 6.2Mpa in 1 day, Linear shrinkage as per ASTM C157 should be -0.083%, chloride permeability should be 900 coulombs as per ASTM C 1202 along with along with TUF-STRAND SF "structural fibers" of FLOWCRETE are a patented polypropylene / polyethylene synthetic macro-fiber successfully used to replace steel fibers, welded wire mesh and conventional reinforcing bars in a wide variety of applications. TUF- STRAND SF fibers comply with ASTM C1116, Standard Specification for Fiber Reinforced Concrete and Shotcrete, and are specifically designed to provide equivalent tensile and bending resistance to conventional reinforcement requirements. Concrete reinforced with TUF-STRAND SF will have three-dimensional reinforcing with enhanced flexural toughness, impact and abrasion resistance and will also help mitigate the formation of plastic shrinkage cracking in concrete. Dosage rates will vary depending upon the reinforcing requirements and can range from 1.8 kg/m³ to 12 kg/m³. TUF-STRAND SF synthetic macro- fibers comply with applicable portions of the International Code Council (ICC)						
	Acceptance Criteria AC32 for synthetic fibers, are UL certified for composite metal deck construction and are recognized within ACI 360 and SDI/ANSI-C1.0 as a reinforcing alternate to WWF. Mixing and applying repair Mortar as per the manufacturer's recommendations within the open time of the bonding agents. Finish to level of surrounding concrete surface utilizing techniques recommended and finished with bull floater top of by manufacturer or as per the site Engineer. THICKNESS- 30MM (Market Rate)						
	Basket Ball Ground	Sqm	1.00	29.00	15.00		435.00
	Total Qty	Sqm		1	Total		435.00
	OUTTING OF IGNITO			1			
43	CUTTING OFJOINTS Cutting 10mmX10mm joint where the joint a/b should not be more than 1.02, (As per TR34). followed by Providing and filling Decksheild putty/ EUCO700 all in complete as per manufacturer direction or EIC.(Market Rate)	Rmt	2.00	29.00			58.00
	Basket Ball Ground	Rmt	3.00	15.00			45.00
	Total Qty	Rmt	1 2 2 2		Total		103.00
	1						

Designated EXT.F.AA, Slip Resistance as per TRRL Pendulum Slip Test resulted in Drys-40. Webt-40 (Low Slip) Potential), Abrasion Resistance as per Tabra Abrader resulted in 0.1 mg loss per 1000 cycles (1Kg Load using CS17 wheels), For exposed area UV stable 2 component Polyurethane based top coat having abrasion resistance as per Tabra Abrader: 0.1g loss per 1000 cycles, 100% UV Light stable & prevents from yellowing effect, followed by as required all in complete as per manufacturers and EIC (Market Rate) Total Qty KSRB13-1.1: Providing and fixing to wall, ceiling and floor galvanised I mild steel tube nominal bore with fittings (medium grade weight 1.27 kglmrt) B class including cost of all materials, labour charges, HOM and testing complete as per specifications. Specification No.KBS 13.2.14 I 13.8 do- 40 mm dia (KSRB 18-19.Pg No.92.Sl No.13.5) Badminton Ground KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectinging and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqn area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specification No. 803 (KSRB 18-19.Sl No.24.15) Exit driveway Sqm 1.00 175.00 0.15 Exit driveway Sqm 1.00 175.00 0.15 Exit driveway Sqm 1.00 33.00 0.15 Circular Sqm 2.00 33.00 0.15	Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
KSRB13-1.1: Providing and fixing to wall, ceiling and floor galvanised I mild steel tube nominal bore with fittings (medium grade weight 1.27 kglmtr) B class including cost of all materials, labour charges, HOM and testing complete as per specifications. Specifications. Specification No.KBS 13.2.14 I 13.8 do- 40 mm dia (KSRB 18-19,Pq No.92,SI No.13.5) Badminton Ground Rmt 2.00 1.55 Total Qty Rmt Total Qty KSRRB M800-13.Road Marking with Hot Applied Thempolastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 (KSRB 18-19,SI No.24.15) Exit driveway Sqm 1.00 175.00 0.15 Entry Pathway Sqm 2.00 33.00 0.15 Circular Sqm 2.00 33.00 0.15 Circular Sqm 2.00 33.00 0.15	44	low VOC as per ISO11890-2 resulted in Very Low <20g/L, solvent free, flexible polyurethane park deck coating system providing a colourful watertight, hard- wearing surface for intermediate decks of multi-storey, basement and other trafficable suspended floors consisting of 3 component, solvent free, Polyurethane based primer/body coat/binding agent having solid content of approximately 100% which accepts silica aggregate scatter to produce an anti skid surface as well as 2 component, coloured, flexible polurethane coating having 100% solid contents to seal the aggregate layer where UV light staibility is not critical having chemical resistance property to Petrol, Diesel, Antifreeze, Hydraulic Fluids, Chlorides & Battery Acids etc. Technical profile having Fire resistance -BS476-3 Designated EXT.F.AA, Slip Resistance as per TRRL Pendulum Slip Test resulted in Dry>40. Wet>40 (Low Slip Potential), Abrasion Resiatance as per Taber Abrader resulted in 0.1 mg loss per 1000 cycles (1Kg Load using CS17 wheels). For exposed area UV stable 2 component Polyurethane based top coat having abrasion resistance as per Taber Abrader: 0.1g loss per 1000 cycles, 100% UV Light stable & prevents from yellowing effect, followed by as required all in complete as per manufacturers and EIC	Sqm	1.00	29.00	15.00		435.00
KSRB13-1.1 : Providing and fixing to wall, ceiling and floor galvanised I mild steel tube nominal bore with fittings (medium grade weight 1.27 kglmtr) B class including cost of all materials, labour charges, HOM and testing complete as per specifications. Specification No.KBS 13.2.14 I 13.8 do- 40 mm dia (KSRB 18-19.Pq No.92.SI No.13.5) Badminton Ground Rmt 2.00 1.55 Total Qty Rmt Total KSRRB M800-13.Road Marking with Hot Applied Thempolastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 (KSRB 18-19,SI No.24.15) Exit driveway Sqm 1.00 175.00 0.15 Entry Pathway Sqm 2.00 33.00 0.15 Circular Sqm 2.00 33.00 0.15 Circular Sqm 2.00 33.00 0.15		Total Oty	Sam			Total		435.00
galvanised I mild steel tube nominal bore with fittings (medium grade weight 1.27 kglmtr) B class including cost of all materials, labour charges, HOM and testing complete as per specifications. Specification No.KBS 13.2.14 I 13.8 do- 40 mm dia (KSRB 18-19.Pq No.92.SI No.13.5) Badminton Ground Rmt 2.00 1.55 Total Qty Rmt Total KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 (KSRB 18-19,SI No.24.15) Exit driveway Sqm 1.00 175.00 0.15 Circular Sqm 1.00 33.00 0.15 Entry Pathway Sqm 2.00 33.00 0.15 Circular Sqm 2.00 33.00 0.15		Total Qty	Oqiii			Total		+55.00
Total Qty KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 (KSRB 18-19,SI No.24.15) Exit driveway Sqm 1.00 175.00 0.15 Circular Sqm 1.00 33.00 0.15 Entry Pathway Sqm 2.00 33.00 0.15 Circular Sqm 2.00 22.00 0.15	45	galvanised I mild steel tube nominal bore with fittings (medium grade weight 1.27 kglmtr) B class including cost of all materials, labour charges, HOM and testing complete as per specifications. Specification No.KBS 13.2.14 I 13.8 do- 40 mm dia (KSRB 18-19.Pg No.92.SI No.13.5)						
KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 (KSRB 18-19,SI No.24.15) Exit driveway Sqm 1.00 175.00 0.15 Circular Sqm 1.00 33.00 0.15 Entry Pathway Sqm 2.00 33.00 0.15 Circular Sqm 2.00 22.00 0.15				2.00	1.55			3.10
Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 (KSRB 18-19,SI No.24.15) Exit driveway Sqm 1.00 175.00 0.15 Circular Sqm 1.00 33.00 0.15 Entry Pathway Sqm 2.00 33.00 0.15 Circular Sqm 2.00 22.00 0.15		lotal Qty	Kmt			I otal		3.10
Circular Sqm 1.00 33.00 0.15 Entry Pathway Sqm 2.00 33.00 0.15 Circular Sqm 2.00 22.00 0.15	46	Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803						
Circular Sqm 1.00 33.00 0.15 Entry Pathway Sqm 2.00 33.00 0.15 Circular Sqm 2.00 22.00 0.15		Exit driveway	Sqm	1.00	175.00	0.15		26.25
Circular Sqm 2.00 22.00 0.15		Circular	Sqm		33.00	0.15		4.95
								9.90
Total Qty Sqm Total 4				2.00	22.00			6.60 47.70

Executive Engineer MSCL Mangaluru

G M Technical MSCL Mangaluru

MANGALURU SMART CITY 1.4 Rate Analysis of E-SMART SCHOOL

RATE ANALYSIS - GPUC Balmatta

	KSRRB M200-7.1. Clearing grass and removal of rubbish b	ov manual mean	s and stacking or	itside the
4	periphery of the area cleaned complete as per specification			
1	PWD 18-19, Page No 138, SI No.18.10)			
	,	T	T	T
	Basic rate		25755	
	Sub Total		25755	
	Add 10% For area weightage		2575.50	
	Total	Rate	28330.50	На
	KSRB 24-9 : Cleaning and washing of stone masonry walls	surface with nitri	c acid including o	cost of materials,
2	labour, complete as per specifications. Specification No.KE	3S 18-19,	_	
	(Page No 130,SI No : 16.4)			
	Basic rate		5.00	
	Sub Total		5.00	
	Add 10% For area weightage		0.50	
	Total	Rate		Sqm
	1000	Nate	J.30	<u> ~q···</u>
	Providing and construction laterite size stone masonary inc	duding cost and	conveyance of all	l materials
	curing etc. complete as per specification.I.S.3620/1979 have	•	•	
3	3.5N/mm2 for saturated dry samples. For super structure in	•	•	3 trieri
	(KPWD 18-19, Page No 384, SI No : 42.5.3)	. 5 1.0 (501110	is ngo,mo,	
	<u> </u>		2204	<u> </u>
	Basic rate Sub Total	+	3391	
	Sub rotai		3391	
	Add 100/ For organishtons		1 220 40	
	Add 10% For area weightage	Pato	339.10 3730.10	
	Add 10% For area weightage Total	Rate	339.10 3730.10	
	Total	•	3730.10	Cum
	Total KSRB 15.3.10 Providing 20mm thick cement plaster in sing	gle coat with cem	3730.10 nent mortar 1:4, to	Cum o stone masonry
4	Total KSRB 15.3.10 Providing 20mm thick cement plaster in sing and concrete surface including rounding off corners wherever.	gle coat with cenver required smc	3730.10 nent mortar 1:4, tooth rendering, : F	o stone masonry
4	KSRB 15.3.10 Providing 20mm thick cement plaster in sing and concrete surface including rounding off corners wherever removing scaffolding, including cost of materials, labour, cut	gle coat with cenver required smc	3730.10 nent mortar 1:4, tooth rendering, : F	o stone masonry
4	Total KSRB 15.3.10 Providing 20mm thick cement plaster in sing and concrete surface including rounding off corners wherever.	gle coat with cenver required smc	3730.10 nent mortar 1:4, tooth rendering, : F	o stone masonry
4	KSRB 15.3.10 Providing 20mm thick cement plaster in sing and concrete surface including rounding off corners wherever removing scaffolding, including cost of materials, labour, cut	gle coat with cenver required smc	3730.10 nent mortar 1:4, tooth rendering, : F	o stone masonry
4	KSRB 15.3.10 Providing 20mm thick cement plaster in sing and concrete surface including rounding off corners wherever removing scaffolding, including cost of materials, labour, cupWD 18-19,SI No.15.19,Pg No 116	gle coat with cenver required smc	3730.10 nent mortar 1:4, tooth rendering, : For specification	Cum o stone masonry Providing and ns.
4	KSRB 15.3.10 Providing 20mm thick cement plaster in sing and concrete surface including rounding off corners wherever removing scaffolding, including cost of materials, labour, cut PWD 18-19,SI No.15.19,Pg No 116 Basic rate	gle coat with cenver required smc	nent mortar 1:4, tooth rendering, : Fis per specification 273 273 27.30	o stone masonry Providing and ns.
4	KSRB 15.3.10 Providing 20mm thick cement plaster in sing and concrete surface including rounding off corners wherever removing scaffolding, including cost of materials, labour, cup PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total	gle coat with cenver required smc	3730.10 nent mortar 1:4, tooth rendering, : For specification 273 273	o stone masonry Providing and ns.
4	KSRB 15.3.10 Providing 20mm thick cement plaster in sing and concrete surface including rounding off corners wherever removing scaffolding, including cost of materials, labour, cut PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total	gle coat with cenver required smouring complete a	3730.10 nent mortar 1:4, to ooth rendering, : For specification 273 273 273 27.30 300.30	Cum o stone masonry Providing and ns. Sqm
4	KSRB 15.3.10 Providing 20mm thick cement plaster in sing and concrete surface including rounding off corners wherever removing scaffolding, including cost of materials, labour, cup PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1: Providing and finishing external walls in two	gle coat with cenver required smouring complete a Rate coats with wate	273 273 273 273 273 273 2730 2770 2770 2	o stone masonry Providing and ns. Sqm aint of approved
	KSRB 15.3.10 Providing 20mm thick cement plaster in sing and concrete surface including rounding off corners wherever removing scaffolding, including cost of materials, labour, cup PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1: Providing and finishing external walls in two brand and shade to give an even shade after throughly broad.	gle coat with cenver required smouring complete a Rate o coats with wateoming the surface	273 273 273 273 273 273 27.30 300.30 erproof cement poe to remove all common and a second common and a sec	o stone masonry Providing and ns. Sqm aint of approved
5	KSRB 15.3.10 Providing 20mm thick cement plaster in sing and concrete surface including rounding off corners wherever removing scaffolding, including cost of materials, labour, cure PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1: Providing and finishing external walls in two brand and shade to give an even shade after throughly broupowdered material, free from mortar drops and other foreign	gle coat with cenver required smouring complete a Rate o coats with wateoming the surface	273 273 273 273 273 273 27.30 300.30 erproof cement poe to remove all common and a second common and a sec	o stone masonry Providing and ns. Sqm aint of approved
	KSRB 15.3.10 Providing 20mm thick cement plaster in sing and concrete surface including rounding off corners wherever removing scaffolding, including cost of materials, labour, cup PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1: Providing and finishing external walls in two brand and shade to give an even shade after throughly bropowdered material, free from mortar drops and other foreigner specifications.	gle coat with cenver required smouring complete a Rate o coats with wateoming the surface	273 273 273 273 273 273 27.30 300.30 erproof cement poe to remove all common and a second common and a sec	o stone masonry Providing and ns. Sqm aint of approved
	KSRB 15.3.10 Providing 20mm thick cement plaster in sing and concrete surface including rounding off corners wherever removing scaffolding, including cost of materials, labour, cut PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1: Providing and finishing external walls in two brand and shade to give an even shade after throughly broupowdered material, free from mortar drops and other foreigner specifications. - do - with Primer	gle coat with cenver required smouring complete a Rate o coats with wateoming the surface	aranana aran	cum o stone masonry roviding and ns. Sqm aint of approved dirt and loose r, complete as
	KSRB 15.3.10 Providing 20mm thick cement plaster in sing and concrete surface including rounding off corners wherever removing scaffolding, including cost of materials, labour, cure PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1: Providing and finishing external walls in two brand and shade to give an even shade after throughly broupowdered material, free from mortar drops and other foreigner specifications. - do - with Primer Basic Rate	gle coat with cenver required smouring complete a Rate o coats with wateoming the surface	aranana aran	cum o stone masonry roviding and ns. Sqm aint of approved dirt and loose r, complete as
	KSRB 15.3.10 Providing 20mm thick cement plaster in sing and concrete surface including rounding off corners wherever removing scaffolding, including cost of materials, labour, cure PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1: Providing and finishing external walls in two brand and shade to give an even shade after throughly broupowdered material, free from mortar drops and other foreign per specifications. - do - with Primer Basic Rate Sub Total	gle coat with cenver required smouring complete a Rate o coats with wateoming the surface	aranana aran	cum o stone masonry roviding and ns. Sqm aint of approved dirt and loose r, complete as
	KSRB 15.3.10 Providing 20mm thick cement plaster in sing and concrete surface including rounding off corners wherever removing scaffolding, including cost of materials, labour, cut PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1: Providing and finishing external walls in two brand and shade to give an even shade after throughly broupowdered material, free from mortar drops and other foreign per specifications. - do - with Primer Basic Rate Sub Total Add 10% For Area weightage	Rate o coats with wateoming the surface	273 273 273 273 273 273 27.30 300.30 erproof cement poe to remove all comaterials, labour 102.00 102 10.20	cum o stone masonry Providing and ns. Sqm aint of approved firt and loose r, complete as
	KSRB 15.3.10 Providing 20mm thick cement plaster in sing and concrete surface including rounding off corners wherever removing scaffolding, including cost of materials, labour, cure PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1: Providing and finishing external walls in two brand and shade to give an even shade after throughly broupowdered material, free from mortar drops and other foreign per specifications. - do - with Primer Basic Rate Sub Total	gle coat with cenver required smouring complete a Rate o coats with wateoming the surface	aranana aran	cum o stone masonry Providing and ns. Sqm aint of approved firt and loose r, complete as
	KSRB 15.3.10 Providing 20mm thick cement plaster in sing and concrete surface including rounding off corners wherever removing scaffolding, including cost of materials, labour, cut PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1: Providing and finishing external walls in two brand and shade to give an even shade after throughly broup owdered material, free from mortar drops and other foreign per specifications. - do - with Primer Basic Rate Sub Total Add 10% For Area weightage Total	Rate Rate Rate Rate Rate Rate Rate	273 273 273 273 273 273 27.30 300.30 erproof cement poe to remove all comaterials, labour 102.00 102 10.20 112.20	cum o stone masonry roviding and ns. Sqm aint of approved firt and loose c, complete as Sqm
	KSRB 15.3.10 Providing 20mm thick cement plaster in sing and concrete surface including rounding off corners wherever removing scaffolding, including cost of materials, labour, cut PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1 : Providing and finishing external walls in two brand and shade to give an even shade after throughly broup owdered material, free from mortar drops and other foreign per specifications. - do - with Primer Basic Rate Sub Total Add 10% For Area weightage Total Providing external walls with texture finish using approved	Rate o coats with wateoming the surface matter cost of Rate Rate Rate o hard paint, ap	273 273 273 273 273 273 27.30 300.30 erproof cement poe to remove all comaterials, labour 102.00 102 10.20 plied uniformly in	cum o stone masonry roviding and ns. Sqm aint of approved dirt and loose r, complete as Sqm three coats
5	KSRB 15.3.10 Providing 20mm thick cement plaster in sing and concrete surface including rounding off corners wherever removing scaffolding, including cost of materials, labour, cut PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1: Providing and finishing external walls in two brand and shade to give an even shade after throughly broup powdered material, free from mortar drops and other foreign per specifications. - do - with Primer Basic Rate Sub Total Add 10% For Area weightage Total Providing external walls with texture finish using approved over one coat of primer including cost of all materials, machine and control of the state of the	Rate Rate o coats with wate on matter cost of Rate Rate Rate	273 273 273 273 273 273 273 27.30 300.30 erproof cement poe to remove all comaterials, labour 102.00 102 10.20 112.20 plied uniformly in transportation,	cum o stone masonry roviding and ns. Sqm aint of approved dirt and loose r, complete as Sqm three coats loading and
	KSRB 15.3.10 Providing 20mm thick cement plaster in sing and concrete surface including rounding off corners wherever removing scaffolding, including cost of materials, labour, cut PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1: Providing and finishing external walls in two brand and shade to give an even shade after throughly broup powdered material, free from mortar drops and other foreign per specifications. - do - with Primer Basic Rate Sub Total Add 10% For Area weightage Total Providing external walls with texture finish using approved over one coat of primer including cost of all materials, mach unloading, all lead and lift and all other incidental charges in	Rate Rate o coats with wate on matter cost of Rate Rate Rate	273 273 273 273 273 273 273 27.30 300.30 erproof cement poe to remove all comaterials, labour 102.00 102 10.20 112.20 plied uniformly in transportation,	cum o stone masonry roviding and ns. Sqm aint of approved dirt and loose r, complete as Sqm three coats loading and
5	KSRB 15.3.10 Providing 20mm thick cement plaster in sing and concrete surface including rounding off corners wherever removing scaffolding, including cost of materials, labour, cup PWD 18-19,Sl No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1: Providing and finishing external walls in two brand and shade to give an even shade after throughly broup owdered material, free from mortar drops and other foreign per specifications. - do - with Primer Basic Rate Sub Total Add 10% For Area weightage Total Providing external walls with texture finish using approved over one coat of primer including cost of all materials, mach unloading, all lead and lift and all other incidental charges in complete as per specifications.	Rate Rate o coats with wate on matter cost of Rate Rate Rate	273 273 273 273 273 273 273 27.30 300.30 erproof cement poe to remove all comaterials, labour 102.00 102 10.20 112.20 plied uniformly in transportation,	cum o stone masonry roviding and ns. Sqm aint of approved dirt and loose r, complete as Sqm three coats loading and
5	KSRB 15.3.10 Providing 20mm thick cement plaster in sing and concrete surface including rounding off corners wherever removing scaffolding, including cost of materials, labour, compared to the pwd 18-19, SI No.15.19, Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1: Providing and finishing external walls in two brand and shade to give an even shade after throughly brough powdered material, free from mortar drops and other foreign per specifications. - do - with Primer Basic Rate Sub Total Add 10% For Area weightage Total Providing external walls with texture finish using approved over one coat of primer including cost of all materials, macunloading, all lead and lift and all other incidental charges in complete as per specifications. (KPWD 18-19,SI No.15.103)	Rate Rate o coats with wate on matter cost of Rate Rate Rate	273 273 273 273 273 273 27.30 300.30 erproof cement poe to remove all comaterials, labour 102.00 102 10.20 112.20 plied uniformly in transportation, ding and removing	cum o stone masonry roviding and ns. Sqm aint of approved dirt and loose r, complete as Sqm three coats loading and
5	KSRB 15.3.10 Providing 20mm thick cement plaster in sing and concrete surface including rounding off corners wherever removing scaffolding, including cost of materials, labour, cup PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1: Providing and finishing external walls in two brand and shade to give an even shade after throughly brough powdered material, free from mortar drops and other foreign per specifications. - do - with Primer Basic Rate Sub Total Add 10% For Area weightage Total Providing external walls with texture finish using approved over one coat of primer including cost of all materials, mach unloading, all lead and lift and all other incidental charges in complete as per specifications. (KPWD 18-19,SI No.15.103) Basic Rate	Rate Rate o coats with wate on matter cost of Rate Rate Rate	273 273 273 273 273 273 27.30 300.30 erproof cement poe to remove all comaterials, labour 102.00 102 10.20 112.20 plied uniformly in transportation, stransportation, stransport	cum o stone masonry roviding and ns. Sqm aint of approved dirt and loose r, complete as Sqm three coats loading and
5	KSRB 15.3.10 Providing 20mm thick cement plaster in sing and concrete surface including rounding off corners wherever removing scaffolding, including cost of materials, labour, compared to the pwd 18-19, SI No.15.19, Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1: Providing and finishing external walls in two brand and shade to give an even shade after throughly brough powdered material, free from mortar drops and other foreign per specifications. - do - with Primer Basic Rate Sub Total Add 10% For Area weightage Total Providing external walls with texture finish using approved over one coat of primer including cost of all materials, macunloading, all lead and lift and all other incidental charges in complete as per specifications. (KPWD 18-19,SI No.15.103)	Rate Rate o coats with wate on matter cost of Rate Rate Rate	273 273 273 273 273 273 27.30 300.30 erproof cement poe to remove all comaterials, labour 102.00 102 10.20 112.20 plied uniformly in transportation, ding and removing	cum o stone masonry roviding and ns. Sqm aint of approved dirt and loose r, complete as Sqm three coats loading and

	Total	Rate	374.00 Sqm
7	KSRRB MS00-10 Painting new letter and figures of any stother approved colour to give an even shade complete as proposed and the like not to be measured and paid for MORTH Specification No.801 (KSRRB 18-19,SI No.24.10)		
	Basic Rate		0.70
	Sub Total		0.7
	Add 10% For Area weightage		0.07
	Total	Rate	0.77 Cm
8	Cleaning RCC sump tanks and RCC overhead tanks with r sludge, mud, dirt, algea etc and cleaning the wall surface of and spraying anti bacterial treatment to the wall and ceiling of sludge etc, using suitable coconut broomstick, squeese	f tanks using hig g surfaces and rs I wipers I rubb	gh pressure jet, vacuum cleaning UV treatment, including removing per brushes, coir brushes,
	plastic buckets, mugs, dewatering using motor with portal all safety measures. (KPWD 18-19,SI No.10.7)	arrangement, h	ose pipe etc., complete including
	Basic Rate		0.35
	Sub Total		0.35
	Add 10% For Area weightage		0.04
	Total	Rate	0.39 L
0	KSRB 15-18.3: Providing and applying enamel metal paint painted steel or other metal surface brushing to give an even	en shade after cl	leaning oil, grease, dirt and other
9	painted steel or other metal surface brushing to give an ever foreign matter, including cost of materials, labour, complete PWD 18-19,SI No.15.75,Pg No 123	en shade after cl	leaning oil, grease, dirt and other ations.
9	painted steel or other metal surface brushing to give an ever foreign matter, including cost of materials, labour, complete PWD 18-19,SI No.15.75,Pg No 123 Basic Rate	en shade after cl	leaning oil, grease, dirt and other ations.
9	painted steel or other metal surface brushing to give an ever foreign matter, including cost of materials, labour, complete PWD 18-19,SI No.15.75,Pg No 123 Basic Rate Sub Total	en shade after cl	leaning oil, grease, dirt and other ations. 61.00 61
9	painted steel or other metal surface brushing to give an ever foreign matter, including cost of materials, labour, complete PWD 18-19,SI No.15.75,Pg No 123 Basic Rate Sub Total Add 10% For Area weightage	en shade after cl	leaning oil, grease, dirt and other ations. 61.00 61 6.10
9	painted steel or other metal surface brushing to give an ever foreign matter, including cost of materials, labour, complete PWD 18-19,SI No.15.75,Pg No 123 Basic Rate Sub Total	en shade after cl	leaning oil, grease, dirt and other ations. 61.00 61
10	painted steel or other metal surface brushing to give an ever foreign matter, including cost of materials, labour, complete PWD 18-19,SI No.15.75,Pg No 123 Basic Rate Sub Total Add 10% For Area weightage Total KSRB 2-2.1: Earthwork excavation for foundation of building conduits either in pits or in trenches 1.5m and above in wide including dressing the bottom and sides of pits and trenches of excavation with lead upto 50 m. after breaking of clods of KBS 2.1(a) / 2.3.5 PWD 18-19,SI No.2.3,Pg No 6	Rate ngs, water suppleth, in ordinary ses, stacking the experience of the experienc	61.00 61 61 6.10 67.10 Sqm ly, sanitary lines and electrical soil not exceeding 1.5 m. in depth excavated soil clear from edges specifications. specification. No.
	painted steel or other metal surface brushing to give an ever foreign matter, including cost of materials, labour, complete PWD 18-19,SI No.15.75,Pg No 123 Basic Rate Sub Total Add 10% For Area weightage Total KSRB 2-2.1 : Earthwork excavation for foundation of building conduits either in pits or in trenches 1.5m and above in wide including dressing the bottom and sides of pits and trenches of excavation with lead upto 50 m. after breaking of clods of KBS 2.1(a) / 2.3.5	Rate ngs, water suppleth, in ordinary ses, stacking the experience of the experienc	61.00 61 6.10 67.10 Sqm ly, sanitary lines and electrical soil not exceeding 1.5 m. in depth excavated soil clear from edges specifications. specification. No.
	painted steel or other metal surface brushing to give an ever foreign matter, including cost of materials, labour, complete PWD 18-19,SI No.15.75,Pg No 123 Basic Rate Sub Total Add 10% For Area weightage Total KSRB 2-2.1 : Earthwork excavation for foundation of building conduits either in pits or in trenches 1.5m and above in wide including dressing the bottom and sides of pits and trenches of excavation with lead upto 50 m. after breaking of clods of KBS 2.1(a) / 2.3.5 PWD 18-19,SI No.2.3,Pg No 6 Basic Rate Sub Total	Rate ngs, water suppleth, in ordinary ses, stacking the experience of the experienc	61.00 61 6.10 67.10 Sqm ly, sanitary lines and electrical soil not exceeding 1.5 m. in depth excavated soil clear from edges specifications. specification. No.
	painted steel or other metal surface brushing to give an ever foreign matter, including cost of materials, labour, complete PWD 18-19,SI No.15.75,Pg No 123 Basic Rate Sub Total Add 10% For Area weightage Total KSRB 2-2.1 : Earthwork excavation for foundation of building conduits either in pits or in trenches 1.5m and above in wide including dressing the bottom and sides of pits and trenches of excavation with lead upto 50 m. after breaking of clods of KBS 2.1(a) / 2.3.5 PWD 18-19,SI No.2.3,Pg No 6 Basic Rate	Rate ngs, water suppleth, in ordinary ses, stacking the experience of the experienc	61.00 61 6.10 67.10 Sqm ly, sanitary lines and electrical soil not exceeding 1.5 m. in depth excavated soil clear from edges specifications. specification. No.
	painted steel or other metal surface brushing to give an ever foreign matter, including cost of materials, labour, completed PWD 18-19,SI No.15.75,Pg No 123 Basic Rate Sub Total Add 10% For Area weightage Total KSRB 2-2.1: Earthwork excavation for foundation of building conduits either in pits or in trenches 1.5m and above in wide including dressing the bottom and sides of pits and trenches of excavation with lead upto 50 m. after breaking of clods of KBS 2.1(a) / 2.3.5 PWD 18-19,SI No.2.3,Pg No 6 Basic Rate Sub Total add 10% For Area weightage	Rate Rate ngs, water suppleth, in ordinary ses, stacking the ecomplete as per secomplete.	leaning oil, grease, dirt and other ations. 61.00 61 6.10 67.10 Sqm ly, sanitary lines and electrical soil not exceeding 1.5 m. in depth excavated soil clear from edges specifications. specification. No. 299.00 299 29.90
	painted steel or other metal surface brushing to give an ever foreign matter, including cost of materials, labour, completed PWD 18-19,SI No.15.75,Pg No 123 Basic Rate Sub Total Add 10% For Area weightage Total KSRB 2-2.1: Earthwork excavation for foundation of building conduits either in pits or in trenches 1.5m and above in wide including dressing the bottom and sides of pits and trenches of excavation with lead upto 50 m. after breaking of clods of KBS 2.1(a) / 2.3.5 PWD 18-19,SI No.2.3,Pg No 6 Basic Rate Sub Total add 10% For Area weightage	Rate Rate Rate Rate Rate One of Mix ates @ 0.878 cuiding 15 ems. thi	leaning oil, grease, dirt and other ations. 61.00 61 6.10 67.10 Sqm ly, sanitary lines and electrical coil not exceeding 1.5 m. in depth excavated soil clear from edges specifications. specification. No. 299.00 299 29.90 328.90 Cum 1:2:4 with OPC @ 240kgs, with am and fine aggregtes @ ick, well compacted, in
10	painted steel or other metal surface brushing to give an ever foreign matter, including cost of materials, labour, complete PWD 18-19,SI No.15.75,Pg No 123 Basic Rate Sub Total Add 10% For Area weightage Total KSRB 2-2.1 : Earthwork excavation for foundation of building conduits either in pits or in trenches 1.5m and above in wide including dressing the bottom and sides of pits and trenches of excavation with lead upto 50 m. after breaking of clods of KBS 2.1(a) / 2.3.5 PWD 18-19,SI No.2.3,Pg No 6 Basic Rate Sub Total add 10% For Area weightage Total KSRB 4-1.6 ; Providing and laying in position plain cement 20mm and down size graded granite metal coarse aggrega 0.53cum, machine mixed, concrete laid in layers not exceet foundation, plinth and cills, including cost of all materials, la specifications. Specification No. KBS 4.1, 4.2	Rate Rate Rate Rate Rate One of Mix ates @ 0.878 cuiding 15 ems. thi	leaning oil, grease, dirt and other ations. 61.00 61 6.10 67.10 Sqm ly, sanitary lines and electrical coil not exceeding 1.5 m. in depth excavated soil clear from edges specifications. specification. No. 299.00 299 29.90 328.90 Cum 1:2:4 with OPC @ 240kgs, with am and fine aggregtes @ ick, well compacted, in
10	painted steel or other metal surface brushing to give an ever foreign matter, including cost of materials, labour, complete PWD 18-19,SI No.15.75,Pg No 123 Basic Rate Sub Total Add 10% For Area weightage Total KSRB 2-2.1: Earthwork excavation for foundation of building conduits either in pits or in trenches 1.5m and above in wide including dressing the bottom and sides of pits and trenches of excavation with lead upto 50 m. after breaking of clods of KBS 2.1(a) / 2.3.5 PWD 18-19,SI No.2.3,Pg No 6 Basic Rate Sub Total add 10% For Area weightage Total KSRB 4-1.6; Providing and laying in position plain cement 20mm and down size graded granite metal coarse aggrega 0.53cum, machine mixed, concrete laid in layers not exceet foundation, plinth and cills, including cost of all materials, last specifications. Specification No. KBS 4.1, 4.2 PWD 18-19,SI No.4.6,Pg No 13	Rate Rate Rate Rate Rate One of Mix ates @ 0.878 cuiding 15 ems. thi	leaning oil, grease, dirt and other ations. 61.00 61 6.10 67.10 Sqm ly, sanitary lines and electrical coil not exceeding 1.5 m. in depth excavated soil clear from edges specifications. specification. No. 299.00 299 29.90 328.90 Cum 1:2:4 with OPC @ 240kgs, with am and fine aggregtes @ ick, well compacted, in ng complete as per
10	painted steel or other metal surface brushing to give an ever foreign matter, including cost of materials, labour, complete PWD 18-19,SI No.15.75,Pg No 123 Basic Rate Sub Total Add 10% For Area weightage Total KSRB 2-2.1: Earthwork excavation for foundation of building conduits either in pits or in trenches 1.5m and above in wide including dressing the bottom and sides of pits and trenches of excavation with lead upto 50 m. after breaking of clods of KBS 2.1(a) / 2.3.5 PWD 18-19,SI No.2.3,Pg No 6 Basic Rate Sub Total KSRB 4-1.6; Providing and laying in position plain cement 20mm and down size graded granite metal coarse aggregations of the support o	Rate Rate Rate Rate Rate One of Mix ates @ 0.878 cuiding 15 ems. thi	leaning oil, grease, dirt and other ations. 61.00 61 6.10 67.10 Sqm ly, sanitary lines and electrical coil not exceeding 1.5 m. in depth excavated soil clear from edges specifications. specification. No. 299.00 299 29.90 328.90 Cum 1:2:4 with OPC @ 240kgs, with um and fine aggregtes @ ick, well compacted, in ng complete as per

12	KSRB 14.9-2: Providing and laying M-15 cement concrete flooring 60 mm thick with metallic concrete hardner topping, under layer of 45mm thick M-15 cernent concrete using broken granite metal of 20mm and down size and top layer of 15mm thick metallic cement hardner consisting of mix 1:2 (1 cement hardner mix: 2 granite metal 10mm nominal size) by volurne, with metalic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement= 1 part of metallic floor hardening compound of approved quality by wt), including finishing, cost of materials, labour, curing, complete as per specifications. Specification No. KBS 14.4 PWD 18-19,SI No.14.14				
	Basic Rate		725.00		
	Sub Total		725		
	add 10% For Area weightage		72.50		
	Total	Rate	797.50 Sqm		
13	Providing and laying in position reinforced cement 340kgs, with 20mm and down size graded granite @ 0.47cum, with super plasticisers @ 3 liters commixed, concrete laid in layers not exceeding 15 crepedestrals, retaining walls, returnwalls, walls (any posts, struts, buttresses, bed blocks, anchor block of machinery, curing, complete but excluding cost PWD 18-19,SI No.4.10,Pg No 14	e metal coarse aggregates forming to IS 9103-1999 r ms thick, vibrated for all we thickness) including attac ks & plinths etc including o	© 0.70 cum and fine aggreafirmed-2008 at machinorks in foundation for footched pilasters, columnspill cost of all materials, labout	e ings, lars,	
	Basic Rate		6198.00		
	Sub Total		6198		
	add 10% For Area weightage		619.80		
	Total	Rate	6817.80 Cum		
			•	placing	
14	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requiremembers wherever necessary complete as per decost of materials, labour, HOM of machinery complete complete in the control of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18	k including straightening, our uired, tying with binding with binding with binding with stage s	cutting, bending, hooking, ire and anchoring to the a hall not be measured and	djoining I paid)	
14	Providing TMT steel reinforcement for R.C.C worl in position, lapping and / or welding wherever requested members wherever necessary complete as per decost of materials, labour, HOM of machinery complete direction of Engineer-in-Charge. FE 500	k including straightening, our uired, tying with binding with binding with binding with stage s	cutting, bending, hooking, ire and anchoring to the a hall not be measured and	djoining I paid)	
14	Providing TMT steel reinforcement for R.C.C worl in position, lapping and / or welding wherever requirements wherever necessary complete as per decost of materials, labour, HOM of machinery complete control of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18	k including straightening, our uired, tying with binding with binding with binding with stage s	cutting, bending, hooking, ire and anchoring to the a hall not be measured and as per specifications and	djoining I paid)	
14	Providing TMT steel reinforcement for R.C.C worl in position, lapping and / or welding wherever requirements wherever necessary complete as per decost of materials, labour, HOM of machinery complete directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate	k including straightening, our uired, tying with binding with binding with binding with stage s	cutting, bending, hooking, ire and anchoring to the a hall not be measured and as per specifications and	djoining I paid)	
14	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requiremembers wherever necessary complete as per decost of materials, labour, HOM of machinery complete direction of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total	k including straightening, our uired, tying with binding with binding with binding with stage s	cutting, bending, hooking, ire and anchoring to the a hall not be measured and as per specifications and 70782.00	djoining I paid)	
14	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requested members wherever necessary complete as per decost of materials, labour, HOM of machinery complete direction of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing,centering, shuttering, struction foundations, footings, bases of columns for mass as per specifications PWD 18-19,SI No.4.28,Pg No 16 Basic Rate Sub Total	c including straightening, cuired, tying with binding with binding with esign (laps and wastage splete with all lead lifts and Rate	cutting, bending, hooking, ire and anchoring to the a hall not be measured and as per specifications and 70782.00 70782 7078.20 77860.20 MT emoval of form work for f all materials, labour come 263.00 263	djoining I paid)	
	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requirements wherever necessary complete as per decost of materials, labour, HOM of machinery complete direction of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing, centering, shuttering, strut foundations, footings, bases of columns for mass as per specifications PWD 18-19,SI No.4.28,Pg No 16 Basic Rate Sub Total add 10% For Area weightage	Rate utting, propping etc., and r concrete including cost of	cutting, bending, hooking, ire and anchoring to the a hall not be measured and as per specifications and 70782.00 70782 7078.20 77860.20 MT emoval of form work for f all materials, labour com 263.00 263 26.30	djoining I paid)	
	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requested members wherever necessary complete as per decost of materials, labour, HOM of machinery complete direction of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing,centering, shuttering, struction foundations, footings, bases of columns for mass as per specifications PWD 18-19,SI No.4.28,Pg No 16 Basic Rate Sub Total	c including straightening, cuired, tying with binding with binding with esign (laps and wastage splete with all lead lifts and Rate	cutting, bending, hooking, ire and anchoring to the a hall not be measured and as per specifications and 70782.00 70782 7078.20 77860.20 MT emoval of form work for f all materials, labour come 263.00 263	djoining I paid)	
	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requested members wherever necessary complete as per decost of materials, labour, HOM of machinery completed in the control of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing,centering, shuttering, strute foundations, footings, bases of columns for mass as per specifications PWD 18-19,SI No.4.28,Pg No 16 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing centering, shuttering, strute surface such as walls at any thickness, including a cost of all materials, labour complete as per specifications pwD 18-19,SI No.4.31,Pg No 16	Rate Rate Utting, propping etc., and reconcrete including cost of the state of th	cutting, bending, hooking, ire and anchoring to the a hall not be measured and as per specifications and 70782.00 70782 7078.20 77860.20 MT emoval of form work for all materials, labour come 263.00 263 26.30 289.30 Sqm removal of form work for sees plinth cills and string	djoining I paid)	
15	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requested members wherever necessary complete as per decost of materials, labour, HOM of machinery completed in position of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing, centering, shuttering, strute foundations, footings, bases of columns for mass as per specifications PWD 18-19,SI No.4.28,Pg No 16 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing centering, shuttering, strute surface such as walls at any thickness, including cost of all materials, labour complete as per specific PWD 18-19,SI No.4.31,Pg No 16 Basic Rate	Rate Rate Utting, propping etc., and reconcrete including cost of the state of th	cutting, bending, hooking, ire and anchoring to the a hall not be measured and as per specifications and 70782.00 70782 7078.20 77860.20 MT emoval of form work for all materials, labour come 263.00 263 26.30 289.30 Sqm	djoining I paid)	
15	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requested members wherever necessary complete as per decost of materials, labour, HOM of machinery completed in the control of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing,centering, shuttering, strute foundations, footings, bases of columns for mass as per specifications PWD 18-19,SI No.4.28,Pg No 16 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing centering, shuttering, strute surface such as walls at any thickness, including a cost of all materials, labour complete as per specifications pwD 18-19,SI No.4.31,Pg No 16	Rate Rate Utting, propping etc., and reconcrete including cost of the state of th	cutting, bending, hooking, ire and anchoring to the a hall not be measured and as per specifications and 70782.00 70782 7078.20 77860.20 MT emoval of form work for all materials, labour come 263.00 263 26.30 289.30 Sqm removal of form work for sees plinth cills and string	djoining I paid)	
15	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requested members wherever necessary complete as per decost of materials, labour, HOM of machinery completed in position of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing, centering, shuttering, strute foundations, footings, bases of columns for mass as per specifications PWD 18-19,SI No.4.28,Pg No 16 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing centering, shuttering, strute surface such as walls at any thickness, including cost of all materials, labour complete as per specific PWD 18-19,SI No.4.31,Pg No 16 Basic Rate	Rate Rate Utting, propping etc., and reconcrete including cost of the state of th	cutting, bending, hooking, ire and anchoring to the a shall not be measured and as per specifications and 70782.00 70782 7078.20 77860.20 MT emoval of form work for f all materials, labour come 263.00 263 26.30 289.30 Sqm removal of form work for vises plinth cills and string and 361.00	djoining I paid)	

17	concrete abutment, wing wall / return wall with structure with slope of 1V:20H towards drawing			
17	complete as per specifications.	g loice complete as per draw	ing and recimical sp	Cilicatio
	PWD 18-19,SI No.28.10,Pg No 229			
	<u> </u>	1	1 17 00	
	Basic Rate		147.00	
	Sub Total		147	
	add 10% For Area weightage		14.70	
	Total	Rate	161.70 Nos	3
	VCDD 2.4 - Defilling evallable court around his	a linea cablea in lavera not a	vacadina 20ama in a	lanth
	KSRB 2-4 : Refilling available earth around pip	-	_	•
18	compacting each deposited layer by ramming		oum. and ill upto 1.5) 111.
. •	including cost of all labour complete as per spe	ecincations.		
	PWD 18-19,SI No.2.11,Pg No 7			
	Basic Rate		120.00	
	Sub Total		120	
	add 10% For Area weightage		12.00	
	Total	Rate	132.00 Cur	n
		,		
	Providing and fixing unplasticised PVC pipe	s with working pressure 10 k	ca/sa cm with pipe fit	tinas cli
	making good the floor, including cost of all ma	• .	•	•
19	specifications.	iteriais, labour charges, Troi	vi and testing compr	cic as po
	KSRB 18-19,Pg No.77,SI No.11.56.2			
	do- with 110mm outer dia			
	Basic Rate		606.00	
	Sub Total		606	
	- d-l 400/			
	add 10% For Area weightage		60.60	
	Total Providing & Fixing CI Grating (325 x 325mm) f		666.60 Rm	CM 1:3
20	Providing & Fixing CI Grating (325 x 325mm) f Plastering 20mm thick to all exposed faces cu excluding cost of concrete etc,completete	or road gully cover including	666.60 Rm	CM 1:3
20	Providing & Fixing CI Grating (325 x 325mm) f Plastering 20mm thick to all exposed faces cu excluding cost of concrete etc,completete (As Per EOI)	or road gully cover including	fixing the cover and (ncluding cost of plas	CM 1:3
20	Providing & Fixing CI Grating (325 x 325mm) f Plastering 20mm thick to all exposed faces cu excluding cost of concrete etc,completete (As Per EOI) Basic Rate	or road gully cover including	666.60 Rm fixing the cover and 0 ncluding cost of plass	CM 1:3
20	Providing & Fixing CI Grating (325 x 325mm) f Plastering 20mm thick to all exposed faces cu excluding cost of concrete etc,completete (As Per EOI) Basic Rate Sub Total	for road gully cover including fring for 90 days with all lead in	666.60 Rm fixing the cover and 0 ncluding cost of plass 893.00 893	CM 1:3 tering but
20	Providing & Fixing CI Grating (325 x 325mm) f Plastering 20mm thick to all exposed faces cu excluding cost of concrete etc,completete (As Per EOI) Basic Rate	or road gully cover including	666.60 Rm fixing the cover and 0 ncluding cost of plass	CM 1:3 tering but
20	Providing & Fixing CI Grating (325 x 325mm) f Plastering 20mm thick to all exposed faces cu excluding cost of concrete etc,completete (As Per EOI) Basic Rate Sub Total Total	for road gully cover including tring for 90 days with all lead in Rate	fixing the cover and 0 ncluding cost of plass 893.00 893 893.00 Eac	CM 1:3 tering but
20	Providing & Fixing CI Grating (325 x 325mm) f Plastering 20mm thick to all exposed faces cu excluding cost of concrete etc,completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44 : Repairs to plaster in patches of	ring for 90 days with all lead in Rate 2.5 sqm and less in walls, ce	fixing the cover and 0 ncluding cost of plass 893.00 893 893.00 Each	CM 1:3 tering but
20	Providing & Fixing CI Grating (325 x 325mm) f Plastering 20mm thick to all exposed faces cu excluding cost of concrete etc,completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44: Repairs to plaster in patches of cement mortar 1:4 including cutting the patches	ring for 90 days with all lead in Rate 2.5 sqm and less in walls, celes in proper shape and replase	666.60 Rm fixing the cover and 0 ncluding cost of plass 893.00 893 893.00 Each string the surface of	CM 1:3 tering but
20	Providing & Fixing CI Grating (325 x 325mm) f Plastering 20mm thick to all exposed faces cu excluding cost of concrete etc,completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44 : Repairs to plaster in patches of cement mortar 1:4 including cutting the patche including disposal of rubbish with a lead of 50r	ring for 90 days with all lead in Rate 2.5 sqm and less in walls, celes in proper shape and replas	666.60 Rm fixing the cover and 0 ncluding cost of plass 893.00 893 893.00 Each string the surface of	CM 1:3 tering but
	Providing & Fixing CI Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces curexcluding cost of concrete etc, completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44: Repairs to plaster in patches of cement mortar 1:4 including cutting the patched including disposal of rubbish with a lead of 50r specifications. Specification No.KBS 24.2.1	ring for 90 days with all lead in Rate 2.5 sqm and less in walls, celes in proper shape and replas	666.60 Rm fixing the cover and 0 ncluding cost of plass 893.00 893 893.00 Each string the surface of	CM 1:3 tering but
	Providing & Fixing CI Grating (325 x 325mm) f Plastering 20mm thick to all exposed faces cu excluding cost of concrete etc,completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44 : Repairs to plaster in patches of cement mortar 1:4 including cutting the patche including disposal of rubbish with a lead of 50r	ring for 90 days with all lead in Rate 2.5 sqm and less in walls, celes in proper shape and replas	666.60 Rm fixing the cover and 0 ncluding cost of plass 893.00 893 893.00 Each string the surface of	CM 1:3 tering but
	Providing & Fixing CI Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces curexcluding cost of concrete etc, completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44: Repairs to plaster in patches of cement mortar 1:4 including cutting the patched including disposal of rubbish with a lead of 50r specifications. Specification No.KBS 24.2.1	ring for 90 days with all lead in Rate 2.5 sqm and less in walls, celes in proper shape and replas	666.60 Rm fixing the cover and 0 ncluding cost of plass 893.00 893 893.00 Each string the surface of	CM 1:3 tering but
	Providing & Fixing CI Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces curexcluding cost of concrete etc, completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44: Repairs to plaster in patches of cement mortar 1:4 including cutting the patched including disposal of rubbish with a lead of 50r specifications. Specification No.KBS 24.2.1 PWD 18-19, SI No.16.39, Pg No 133	ring for 90 days with all lead in Rate 2.5 sqm and less in walls, celes in proper shape and replas	fixing the cover and 0 ncluding cost of plass 893.00 893 893.00 Each stering the surface of terials, labour, complete 277	CM 1:3 tering but
	Providing & Fixing CI Grating (325 x 325mm) f Plastering 20mm thick to all exposed faces cu excluding cost of concrete etc,completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44: Repairs to plaster in patches of cement mortar 1:4 including cutting the patche including disposal of rubbish with a lead of 50r specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133 Basic Rate Sub Total	ring for 90 days with all lead in Rate 2.5 sqm and less in walls, celes in proper shape and replas	fixing the cover and oncluding cost of plass 893.00 893.00 Each illings 10 to 20mm thistering the surface of terials, labour, completerials, labour, complete	CM 1:3 tering but
	Providing & Fixing CI Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces curexcluding cost of concrete etc, complete te (As Per EOI) Basic Rate Sub Total KSRB 24-44: Repairs to plaster in patches of cement mortar 1:4 including cutting the patche including disposal of rubbish with a lead of 50r specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133 Basic Rate Sub Total Add 10% For Area weightage	ring for 90 days with all lead in Rate 2.5 sqm and less in walls, ce is in proper shape and replasment including curing cost of mate	fixing the cover and oncluding cost of plass 893.00 893 893.00 Each illings 10 to 20mm thistering the surface of terials, labour, completerials, labour, com	ch 1:3
	Providing & Fixing CI Grating (325 x 325mm) f Plastering 20mm thick to all exposed faces cu excluding cost of concrete etc,completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44: Repairs to plaster in patches of cement mortar 1:4 including cutting the patche including disposal of rubbish with a lead of 50r specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133 Basic Rate Sub Total	ring for 90 days with all lead in Rate 2.5 sqm and less in walls, celes in proper shape and replas	fixing the cover and oncluding cost of plass 893.00 893.00 Each illings 10 to 20mm thistering the surface of terials, labour, completerials, labour, complete	ch 1:3
	Providing & Fixing CI Grating (325 x 325mm) f Plastering 20mm thick to all exposed faces cu excluding cost of concrete etc,completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44: Repairs to plaster in patches of cement mortar 1:4 including cutting the patche including disposal of rubbish with a lead of 50r specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133 Basic Rate Sub Total Add 10% For Area weightage Total	ring for 90 days with all lead in Rate 2.5 sqm and less in walls, cees in proper shape and replasm including curing cost of mate	666.60 Rm fixing the cover and 0 ncluding cost of plass 893.00 893 893.00 Each common thickness of the surface of the surfac	ch 1:3 ck in the wall ete as pe
	Providing & Fixing CI Grating (325 x 325mm) f Plastering 20mm thick to all exposed faces cu excluding cost of concrete etc,completete (As Per EOI) Basic Rate Sub Total KSRB 24-44: Repairs to plaster in patches of cement mortar 1:4 including cutting the patche including disposal of rubbish with a lead of 50r specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133 Basic Rate Sub Total Add 10% For Area weightage Total Providing and fixing Special make glazed Vitrif	ring for 90 days with all lead in Rate 2.5 sqm and less in walls, celes in proper shape and replasm including curing cost of mate Rate Rate	fixing the cover and oncluding cost of plass 893.00 893 893.00 Each illings 10 to 20mm thistering the surface of terials, labour, completerials, labour, comple	ch ick in the wall ete as pe
	Providing & Fixing CI Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces cure excluding cost of concrete etc, complete te (As Per EOI) Basic Rate Sub Total KSRB 24-44: Repairs to plaster in patches of cement mortar 1:4 including cutting the patche including disposal of rubbish with a lead of 50r specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133 Basic Rate Sub Total Add 10% For Area weightage Total Providing and fixing Special make glazed Vitrificolour of size 600x600x10mm thick fixed on experiments.	Rate 2.5 sqm and less in walls, ce in proper shape and replasm including curing cost of mate Rate Rate	fixing the cover and oncluding cost of plass 893.00 893 893.00 Each illings 10 to 20mm this tering the surface of terials, labour, completerials, labour, compl	ch 1:3 ck in the wall ete as per ality and oring and
21	Providing & Fixing CI Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces cure excluding cost of concrete etc, completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44: Repairs to plaster in patches of cement mortar 1:4 including cutting the patche including disposal of rubbish with a lead of 50r specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133 Basic Rate Sub Total Add 10% For Area weightage Total Providing and fixing Special make glazed Vitrification of size 600x600x10mm thick fixed on exskirting etc., complete including providing special special make glazed vitrification of size 600x600x10mm thick fixed on exskirting etc., complete including providing special special make glazed vitrifications.	Rate 2.5 sqm and less in walls, ce in proper shape and replasm including curing cost of mate Rate Rate	fixing the cover and oncluding cost of plass 893.00 893 893.00 Each illings 10 to 20mm this tering the surface of terials, labour, completerials, labour, compl	ch 1:3 ck in the wall ete as per ality and oring and
21	Providing & Fixing CI Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces cure excluding cost of concrete etc, completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44: Repairs to plaster in patches of cement mortar 1:4 including cutting the patche including disposal of rubbish with a lead of 50r specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133 Basic Rate Sub Total Add 10% For Area weightage Total Providing and fixing Special make glazed Vitrification of size 600x600x10mm thick fixed on exskirting etc., complete including providing speasion. 109, I.No. 14.43 of SR 2018-19).	Rate 2.5 sqm and less in walls, ce in proper shape and replasm including curing cost of mate Rate Rate	fixing the cover and oncluding cost of plass 893.00 893.00 Each illings 10 to 20mm thistering the surface of terials, labour, completerials, labour, complete	ch 1:3 ck in the wall ete as pe
21	Providing & Fixing CI Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces curexcluding cost of concrete etc, completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44: Repairs to plaster in patches of cement mortar 1:4 including cutting the patcher including disposal of rubbish with a lead of 50 respecifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133 Basic Rate Sub Total Add 10% For Area weightage Total Providing and fixing Special make glazed Vitrification of size 600x600x10mm thick fixed on exskirting etc., complete including providing special (P.No. 109, I.No. 14.43 of SR 2018-19). Basic Rate	Rate 2.5 sqm and less in walls, ce in proper shape and replasm including curing cost of mate Rate Rate	fixing the cover and oncluding cost of plass 893.00 893 893.00 Each illings 10 to 20mm thistering the surface of terials, labour, completerials, labour, compl	ch 1:3 ck in the wall ete as pe
21	Providing & Fixing CI Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces curexcluding cost of concrete etc, completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44: Repairs to plaster in patches of cement mortar 1:4 including cutting the patcher including disposal of rubbish with a lead of 50 respecifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133 Basic Rate Sub Total Add 10% For Area weightage Total Providing and fixing Special make glazed Vitrification of size 600x600x10mm thick fixed on existing etc., complete including providing spear (P.No. 109, I.No. 14.43 of SR 2018-19). Basic Rate Sub Total	Rate 2.5 sqm and less in walls, ce in proper shape and replasm including curing cost of mate Rate Rate	fixing the cover and oncluding cost of plass 893.00 893 893.00 Each illings 10 to 20mm thistering the surface of terials, labour, completerials, labour, lab	ch 1:3 ck in the wall ete as pe
21	Providing & Fixing CI Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces curexcluding cost of concrete etc, completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44: Repairs to plaster in patches of cement mortar 1:4 including cutting the patcher including disposal of rubbish with a lead of 50 respecifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133 Basic Rate Sub Total Add 10% For Area weightage Total Providing and fixing Special make glazed Vitrification of size 600x600x10mm thick fixed on exskirting etc., complete including providing special (P.No. 109, I.No. 14.43 of SR 2018-19). Basic Rate	Rate 2.5 sqm and less in walls, ce in proper shape and replasm including curing cost of mate Rate Rate	fixing the cover and oncluding cost of plass 893.00 893 893.00 Each illings 10 to 20mm thistering the surface of terials, labour, completerials, labour, compl	ch 1:3 tering but the wall ete as per and oring and omplete.

	Providing and laying of teak wooden polished flooring and design with end trims, transition, profiles, beading		•	
23	4mm thick foam underlay etc., (P.No.113, I.No.14.70 of PWD SR 2018-19)	g, romm thorron, and	20 morom polye	otor min with
	Basic Rate	T	4800.00	
	Sub Total		4800.00	
			480.00	
	Add 10% For Area weightage Total	Rate	5280.00	Sam
	Total	Rate	5260.00	Sqiii
	KSRB 14.14-5: Providing Ceramic tiles of approved		•	•
	landings laid on a bed of 12mm thick, cement mortal			
24	pigment, including cost of materials, labour, curing,	complete as per specific	cations for Cei	amic Tiles of
	size 30x30cms 6mm thick.			
	PWD 18-19,SI No.14.36.2,Pg No.107 and 108			
	Basic Rate		1211.00	
	Sub Total		1211	
	Add 10% For Area weightage		121.10	
	Total	Rate	1332.10	Sqm
		l l		•
	Providing and laying pattern flooring for staircase tre	ads and risers using the	combination of	20mm thick
	ruby red granite @ 66%,20 mm thick grey granite @	•		
25	granite materials are laid on existing bed of CM 1:3 2		•	
23	rounding for nosing, flaming the ruby red granite for			
	(P.No. 109, I.No. 14.46 of PWD SR 2018-19)	oo min wide canning cto.,	complete as pe	i specification
	· · · · · · · · · · · · · · · · · · ·		7405.00	
	Basic Rate		7195.00	
	Sub Total		7195	
	Add 10% For Area weightage		719.50	
	Total	Rate	7914.50	Sqm
26	Repairing door and window frames with available wo PWD 18-19,SI No.37.12,Pg No 267	od to the required size.		
	Basic Rate		685.00	
	Sub Total		685	
	Add 10% For Area weightage		68.50	
	Total	Rate	753.50	Sam
-	Total	Nate	7 33.30	Sqiii
	Repairing and fixing shutters (panelled or glazed) to	doore windows ventilet	ore and auphon	rdo
27	PWD 18-19,SI No.37.13,Pg No.267	doors, wiridows, veritilat	ors and cupooa	ius.
	Basic Material Rate		685.00	
	Sub Total		685	
	Jour Total		000	
	Add 100/ For Area waighters for Labour		60.50	
	Add 10% For Area weightage for Labour	Dete	68.50	Cam
	Add 10% For Area weightage for Labour Total	Rate	68.50 753.50	Sqm
	Total	•	753.50	•
	Total KSRB 15-15.1 : Providing and applying painting in tw	vo coats with plastic emu	753.50 ulsion paint of a	oproved bran
	Total KSRB 15-15.1 : Providing and applying painting in two on wall surface to give an even approved shade afte	vo coats with plastic emu	753.50 ulsion paint of age surface, free f	oproved bran
28	Total KSRB 15-15.1 : Providing and applying painting in two on wall surface to give an even approved shade afte drops and other foreign matter including preparing the street of the st	vo coats with plastic emu	753.50 ulsion paint of age surface, free f	oproved bran
28	Total KSRB 15-15.1 : Providing and applying painting in two on wall surface to give an even approved shade afte drops and other foreign matter including preparing the materials, labour, complete as per specifications.	vo coats with plastic emu	753.50 ulsion paint of age surface, free f	oproved brand rom mortar
28	Total KSRB 15-15.1 : Providing and applying painting in two on wall surface to give an even approved shade afte drops and other foreign matter including preparing the materials, labour, complete as per specifications. - do- with primer	vo coats with plastic emu	753.50 ulsion paint of age surface, free f	oproved brand rom mortar
28	Total KSRB 15-15.1 : Providing and applying painting in two on wall surface to give an even approved shade afte drops and other foreign matter including preparing the materials, labour, complete as per specifications.	vo coats with plastic emu	753.50 ulsion paint of age surface, free f	oproved brand rom mortar
28	KSRB 15-15.1 : Providing and applying painting in two on wall surface to give an even approved shade afte drops and other foreign matter including preparing the materials, labour, complete as per specifications. - do- with primer PWD 18-19,SI No.15.51.2,Pg No.119	vo coats with plastic emu	753.50 ulsion paint of age surface, free for the description of the d	oproved brand rom mortar
28	KSRB 15-15.1 : Providing and applying painting in two on wall surface to give an even approved shade afte drops and other foreign matter including preparing the materials, labour, complete as per specifications. - do- with primer PWD 18-19,SI No.15.51.2,Pg No.119 Basic Material Rate	vo coats with plastic emu	753.50 ulsion paint of age surface, free for the dispersion of th	oproved brand rom mortar
28	KSRB 15-15.1 : Providing and applying painting in two no wall surface to give an even approved shade afte drops and other foreign matter including preparing the materials, labour, complete as per specifications. - do- with primer PWD 18-19,SI No.15.51.2,Pg No.119 Basic Material Rate Sub Total	vo coats with plastic emu	753.50 ulsion paint of ape surface, free for dispaper smooth 90.00 90	oproved brand rom mortar
28	KSRB 15-15.1 : Providing and applying painting in two no wall surface to give an even approved shade afte drops and other foreign matter including preparing the materials, labour, complete as per specifications. - do- with primer PWD 18-19,SI No.15.51.2,Pg No.119 Basic Material Rate Sub Total Add 10% For Area weightage for Labour	vo coats with plastic emu r thoroughly brushing the ne surface even and san	753.50 ulsion paint of ape surface, free for dispaper smooth 90.00 90 9.00	oproved brand rom mortar , cost of
28	KSRB 15-15.1 : Providing and applying painting in two no wall surface to give an even approved shade afte drops and other foreign matter including preparing the materials, labour, complete as per specifications. - do- with primer PWD 18-19,SI No.15.51.2,Pg No.119 Basic Material Rate Sub Total	vo coats with plastic emu	753.50 ulsion paint of ape surface, free for dispaper smooth 90.00 90	oproved brand rom mortar , cost of
28	KSRB 15-15.1 : Providing and applying painting in two no wall surface to give an even approved shade after drops and other foreign matter including preparing the materials, labour, complete as per specifications. - do- with primer PWD 18-19,SI No.15.51.2,Pg No.119 Basic Material Rate Sub Total Add 10% For Area weightage for Labour Total	r thoroughly brushing the surface even and san	753.50 ulsion paint of ape surface, free for dispaper smooth 90.00 90 9.00	oproved brand rom mortar , cost of
	KSRB 15-15.1 : Providing and applying painting in two no wall surface to give an even approved shade after drops and other foreign matter including preparing the materials, labour, complete as per specifications. - do- with primer PWD 18-19,SI No.15.51.2,Pg No.119 Basic Material Rate Sub Total Add 10% For Area weightage for Labour Total Supplying and fixing new Mangalore tiles on existing	r thoroughly brushing the surface even and san	753.50 ulsion paint of ape surface, free for dispaper smooth 90.00 90 9.00	oproved brand rom mortar , cost of
28	KSRB 15-15.1 : Providing and applying painting in two no wall surface to give an even approved shade after drops and other foreign matter including preparing the materials, labour, complete as per specifications. - do- with primer PWD 18-19,SI No.15.51.2,Pg No.119 Basic Material Rate Sub Total Add 10% For Area weightage for Labour Total	r thoroughly brushing the surface even and san	753.50 ulsion paint of ape surface, free for dispaper smooth 90.00 90 9.00	oproved brand rom mortar , cost of
	KSRB 15-15.1 : Providing and applying painting in two no wall surface to give an even approved shade after drops and other foreign matter including preparing the materials, labour, complete as per specifications. - do- with primer PWD 18-19,SI No.15.51.2,Pg No.119 Basic Material Rate Sub Total Add 10% For Area weightage for Labour Total Supplying and fixing new Mangalore tiles on existing	r thoroughly brushing the surface even and san	753.50 ulsion paint of ape surface, free for dispaper smooth 90.00 90 9.00	oproved brand rom mortar , cost of

	Add 10% For Area weighted		40.70	
	Add 10% For Area weightage Total Rate	Rate	40.70 447.70	
	rotal rate	Nate	741.70	<u> ~4</u>
	Removing and fixing old Mangalore ridge tiles including poir	nting with C.M. 1	1:3	
30	PWD 18-19,SI No.37.10,Pg No.267	iang with O.IVI.		
	Baisc rate		101.00	
	Sub Total		101.00	
	Add 10% For area weightage (Mangalore City)		10.10	
	Total Rate	Rate	111.10	
	Total Nato	Nate	711.10	
31	KSRB 15-17.19: Providing and applying painting one coat (wood surface and / or wood based surface with black japan surface of all dirt, dust and foreign matter, including cost of specifications. PWD 18-19,SI No.15.71,Pg No.123	paint to give an	even shade afte	er cleaning the
	Basic Rate		56.00	
	Sub Total		56	
	Add 10% For Area weightage		5.60	
	Total Rate	Rate	61.60	Sqm
	KSRB 15-17.19:Applying additional one coat (excluding pring			
32	and / or wood based surface with black japan paint to give a dirt, dust and foreign matter, including cost of materials, labor PWD 18-19,SI No.15.72,Pg No.123		•	
	Basic Rate		50.00	
	Sub Total		50	
	Add 10% For Area weightage		5.00	
	Total Rate	Rate	55.00	Sqm
33	ridges and hips, wood reepers and pointed with cement mor materials, labour, curing complete as per specifications. Sp wood reepers of size 50x25mm PWD 18-19,SI No.8.11		•	•
	Basic Rate		814.00	
	Sub Total		814.00	
	Add 10% For Area weightage		81.40	
	Total Rate	Rate	895.40	Sqm
34	Waterproofing of RCC Terrace / podium slab / toilet / utilities surface by chipping and cleaning and Grouting of Honey corcement slurry (1kg cement added in 10 ltr of water) added was praying of liquid biological modified alkaline earth silicates the micro porosity and allowing it to dry, curing the surface froncrete and spraying waterproofing impregnate liquid conta 0.50 ltr per sqm and finally applying polymer slurry made ou cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surf equipments, all complete as per the specification PWD 18-19,SI No.10.5.1,Pg No 69	mb, voids,crack vith 100gm of in @ 0.40 ltr per s or the silicates t aining silane an t of cross linked	s / construction j organic accelera qm on whole sur to penetrate deep d silanol linear co d acrylic / styrene	oints with tor, followed by face to reduce per into the popolymer @ / butadiene &
	Basic Rate		526.00	
	Sub Total		526.00	
	Add 10% For Area weightage		52.60	
	Total Rate	Rate	578.60	
	rotal rate	11410	370.00	<u> -4</u>
35	KSRRB M300- Planting and Maintaining of Flowering Plants Maintaining of Flowering Plants and Shrubs - A) Planting flo MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149			•

	Basic Rate		46.00	
	Sub Total		46.00	
	Add 10% For Area weightage		4.60	
	Total Rate	Rate	50.60 Rm	nt
		•		
36	Providing and laying heavy duty Tactile Tiles (Direction and Yellow in colour, using cement and course sand for manufaminimum compressive strength of 281 kg per sqm over 50m compacting with plate vibrator having 3 tons compaction for come up in between joints, final compaction of paver surface materials, labour and HOM of machineries complete as per (As Per EOI)	acture of blocks nm thick sand b ce thereby forci e joints into its f	of approved size, shed (average thickneing part of sand under	nape with a ss) and erneath to
	Rate Approved as per EOI by MD MSCL Mangalore,Refer Sr.No.12		912.00	
	Sub Total		912.00	
	Total Rate	Rate	912.00 Sq	ım
	Total Nate	Nate	312.00 04	1111
37	and supplying doobs grass roots at 10 cm apart, including s rate of 0.6 cum per 100 sqm complete as per specifications PWD SOR 18-19,SI No.19.82,Pg No149		ification No. 307	anaro at
	Basic Rate		23.00	
			23.00	
	Sub Total			
	Add 10% For Area weightage	Rate	2.30	ım
	Add 10% For Area weightage Total Rate	Rate	2.30 25.30 Sq	•
38	Add 10% For Area weightage	the first year KS	2.30 25.30 Sq SRRB M300-6. Maint s per specifications. I	tenance of
38	Add 10% For Area weightage Total Rate KSRRB M300- Maintenance of lawns with fine grassing for lawns with fine grassing for the first year including watering Specification No. 307. PWD SOR 18-19,SI No.19.83,Pg No149 Basic Rate Sub Total	the first year KS	2.30 25.30 Sq SRRB M300-6. Maint sper specifications. I	tenance of
38	Add 10% For Area weightage Total Rate KSRRB M300- Maintenance of lawns with fine grassing for lawns with fine grassing for the first year including watering Specification No. 307. PWD SOR 18-19,SI No.19.83,Pg No149 Basic Rate	the first year KS	2.30 25.30 Sq SRRB M300-6. Maint s per specifications. I	tenance of MORTH
38	Add 10% For Area weightage Total Rate KSRRB M300- Maintenance of lawns with fine grassing for lawns with fine grassing for the first year including watering Specification No. 307. PWD SOR 18-19,SI No.19.83,Pg No149 Basic Rate Sub Total Add 10% For Area weightage	the first year KS etc complete as Rate Rate , quality & color, skirting and JC ing spacers at re	2.30 25.30 Sq 25.30 Sq SRRB M300-6. Maint s per specifications. I 92.00 92.00 92.00 101.20 Sq ur of size 900 x 900 x pointed with neat ceme equired interval and	tenance of MORTH Im x 12mm ent slurry
	Add 10% For Area weightage Total Rate KSRRB M300- Maintenance of lawns with fine grassing for lawns with fine grassing for the first year including watering Specification No. 307. PWD SOR 18-19,SI No.19.83,Pg No149 Basic Rate Sub Total Add 10% For Area weightage Total Rate Providing and fixing Vitrified glazed tiles of approved make thick fixed on bed of 12mm thick cement mortar for flooring mixed with pigment to mach shade of tiles, including providi stains, including cost of all mateirals, mortar, labour, etc., C (KPWD 18-19,SI.No.14.45.1)	the first year KS etc complete as Rate Rate , quality & color, skirting and JC ing spacers at re	2.30 25.30 Sq 25.30 Sq SRRB M300-6. Maint s per specifications. I 92.00 92.00 92.00 101.20 Sq ur of size 900 x 900 x pointed with neat ceme equired interval and	tenance of MORTH Im x 12mm ent slurry
	Add 10% For Area weightage Total Rate KSRRB M300- Maintenance of lawns with fine grassing for lawns with fine grassing for the first year including watering Specification No. 307. PWD SOR 18-19,SI No.19.83,Pg No149 Basic Rate Sub Total Add 10% For Area weightage Total Rate Providing and fixing Vitrified glazed tiles of approved make thick fixed on bed of 12mm thick cement mortar for flooring mixed with pigment to mach shade of tiles, including providing stains, including cost of all mateirals, mortar, labour, etc., C	the first year KS etc complete as Rate Rate , quality & color, skirting and JC ing spacers at re	2.30 25.30 Sq 25.30 Sq SRRB M300-6. Mainte sper specifications. Is 92.00 92.00 92.00 9.20 101.20 Sq Ur of size 900 x 900 x 900 x 900 inted with neat cemerative interval and specification.	tenance of MORTH Im x 12mm ent slurry
	Total Rate KSRRB M300- Maintenance of lawns with fine grassing for lawns with fine grassing for the first year including watering Specification No. 307. PWD SOR 18-19,SI No.19.83,Pg No149 Basic Rate Sub Total Add 10% For Area weightage Total Rate Providing and fixing Vitrified glazed tiles of approved make thick fixed on bed of 12mm thick cement mortar for flooring mixed with pigment to mach shade of tiles, including providistains, including cost of all mateirals, mortar, labour, etc., C (KPWD 18-19,SI.No.14.45.1) Basic Rate Sub Total	the first year KS etc complete as Rate Rate , quality & color, skirting and JC ing spacers at re	2.30 25.30 Sq 25.30 Sq SRRB M300-6. Maint sper specifications. Is 92.00 92.00 92.00 9.20 101.20 Sq ur of size 900 x 900	tenance of MORTH Im x 12mm ent slurry
	Total Rate KSRRB M300- Maintenance of lawns with fine grassing for lawns with fine grassing for the first year including watering Specification No. 307. PWD SOR 18-19,SI No.19.83,Pg No149 Basic Rate Sub Total Add 10% For Area weightage Total Rate Providing and fixing Vitrified glazed tiles of approved make thick fixed on bed of 12mm thick cement mortar for flooring mixed with pigment to mach shade of tiles, including providi stains, including cost of all mateirals, mortar, labour, etc., C (KPWD 18-19,SI.No.14.45.1) Basic Rate Sub Total Add 10% For Area weightage	Rate , quality & color, skirting and JC ing spacers at reomplete as per	2.30 25.30 Sq 25.30 Sq SRRB M300-6. Maint sper specifications. Is 92.00 92.00 92.00 9.20 101.20 Sq ur of size 900 x 900 x 900 x 900 inted with neat cemerating and specification.	tenance of MORTH Im x 12mm ent slurry removing
	Total Rate KSRRB M300- Maintenance of lawns with fine grassing for lawns with fine grassing for the first year including watering Specification No. 307. PWD SOR 18-19,SI No.19.83,Pg No149 Basic Rate Sub Total Add 10% For Area weightage Total Rate Providing and fixing Vitrified glazed tiles of approved make thick fixed on bed of 12mm thick cement mortar for flooring mixed with pigment to mach shade of tiles, including providistains, including cost of all mateirals, mortar, labour, etc., C (KPWD 18-19,SI.No.14.45.1) Basic Rate Sub Total	the first year KS etc complete as Rate Rate , quality & color, skirting and JC ing spacers at re	2.30 25.30 Sq 25.30 Sq SRRB M300-6. Maint sper specifications. Is 92.00 92.00 92.00 9.20 101.20 Sq ur of size 900 x 900	tenance of MORTH Im x 12mm ent slurry removing
	Total Rate KSRRB M300- Maintenance of lawns with fine grassing for lawns with fine grassing for the first year including watering Specification No. 307. PWD SOR 18-19,SI No.19.83,Pg No149 Basic Rate Sub Total Add 10% For Area weightage Total Rate Providing and fixing Vitrified glazed tiles of approved make thick fixed on bed of 12mm thick cement mortar for flooring mixed with pigment to mach shade of tiles, including providi stains, including cost of all mateirals, mortar, labour, etc., C (KPWD 18-19,SI.No.14.45.1) Basic Rate Sub Total Add 10% For Area weightage	Rate Rate , quality & color , skirting and JC ing spacers at re omplete as per Rate Rate	2.30 25.30 Sq 25.30 Sq SRRB M300-6. Maint sper specifications. Is per specifications. Is per specifications. Is per specifications. Is per specification specification. 1315.00 1315.00 131.50 1446.50 Sq Ope for an average t	tenance of MORTH m x 12mm ent slurry removing
39	Total Rate KSRRB M300- Maintenance of lawns with fine grassing for lawns with fine grassing for the first year including watering Specification No. 307. PWD SOR 18-19,SI No.19.83,Pg No149 Basic Rate Sub Total Add 10% For Area weightage Total Rate Providing and fixing Vitrified glazed tiles of approved make thick fixed on bed of 12mm thick cement mortar for flooring mixed with pigment to mach shade of tiles, including providi stains, including cost of all mateirals, mortar, labour, etc., C (KPWD 18-19,SI.No.14.45.1) Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRB 2.9: Spreading and forming the excavated earth to re 75mm. in all classes of soils including breaking clods and tall laying areas complete as per specifications. Specification. N (KSRB 18-19,Pg No.7,SI No.2.16)	Rate Rate , quality & color , skirting and JC ing spacers at re omplete as per Rate Rate	2.30 25.30 Sq 25.30 Sq SRRB M300-6. Maint sper specifications. Is per specifications. Is per specifications. Is per specifications. Is per specification specification. 1315.00 1315.00 1315.00 131.50 1446.50 Sq ope for an average to alround the building	tenance of MORTH m x 12mm ent slurry removing
39	Total Rate KSRRB M300- Maintenance of lawns with fine grassing for lawns with fine grassing for the first year including watering Specification No. 307. PWD SOR 18-19,SI No.19.83,Pg No149 Basic Rate Sub Total Add 10% For Area weightage Total Rate Providing and fixing Vitrified glazed tiles of approved make thick fixed on bed of 12mm thick cement mortar for flooring mixed with pigment to mach shade of tiles, including providi stains, including cost of all mateirals, mortar, labour, etc., C (KPWD 18-19,SI.No.14.45.1) Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRB 2.9 : Spreading and forming the excavated earth to roma the composition of the com	Rate Rate , quality & color , skirting and JC ing spacers at re omplete as per Rate Rate	2.30 25.30 Sq 25.30 Sq SRRB M300-6. Maint s per specifications. I 92.00 92.00 92.00 101.20 Sq ur of size 900 x 900 x Ointed with neat cemeral and specification. 1315.00 1315.00 1315.00 131.50 1446.50 Sq ope for an average to y alround the building	tenance of MORTH m x 12mm ent slurry removing
39	Add 10% For Area weightage Total Rate KSRRB M300- Maintenance of lawns with fine grassing for lawns with fine grassing for the first year including watering Specification No. 307. PWD SOR 18-19,SI No.19.83,Pg No149 Basic Rate Sub Total Add 10% For Area weightage Total Rate Providing and fixing Vitrified glazed tiles of approved make thick fixed on bed of 12mm thick cement mortar for flooring mixed with pigment to mach shade of tiles, including providi stains, including cost of all mateirals, mortar, labour, etc., C (KPWD 18-19,SI.No.14.45.1) Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRB 2.9 : Spreading and forming the excavated earth to r 75mm. in all classes of soils including breaking clods and talaying areas complete as per specifications. specification. N (KSRB 18-19,Pg No.7,SI No.2.16) Basic Rate Sub Total	Rate Rate , quality & color , skirting and JC ing spacers at re omplete as per Rate Rate	2.30 25.30 Sq 25.30 Sq SRRB M300-6. Maint s per specifications. I 92.00 92.00 92.00 101.20 Sq ur of size 900 x 900 x inted with neat cemeral and specification. 1315.00 1315.00 131.50 1446.50 Sq ope for an average to alround the building specification. 9.00 9.00	tenance of MORTH m x 12mm ent slurry removing
39	Total Rate KSRRB M300- Maintenance of lawns with fine grassing for lawns with fine grassing for the first year including watering Specification No. 307. PWD SOR 18-19,SI No.19.83,Pg No149 Basic Rate Sub Total Add 10% For Area weightage Total Rate Providing and fixing Vitrified glazed tiles of approved make thick fixed on bed of 12mm thick cement mortar for flooring mixed with pigment to mach shade of tiles, including providi stains, including cost of all mateirals, mortar, labour, etc., C (KPWD 18-19,SI.No.14.45.1) Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRB 2.9 : Spreading and forming the excavated earth to roma the composition of the com	Rate Rate , quality & color , skirting and JC ing spacers at re omplete as per Rate Rate	2.30 25.30 Sq 25.30 Sq SRRB M300-6. Maint s per specifications. I 92.00 92.00 92.00 101.20 Sq ur of size 900 x 900 x Ointed with neat cemeral and specification. 1315.00 1315.00 1315.00 131.50 1446.50 Sq ope for an average to y alround the building	tenance of MORTH m x 12mm ent slurry removing m thickness of g and low

	Providing and fixing Pre cast solid concrete kerb stones	made out of CC 1:	2:4 and finished with CM 1:3
44	plastering and finishing cutting etc., complete.		
41	do- of size 450 x 150 x 400 mm		
	(KSRRB 18-19,Pg No.27,Sl No.5.29.1)		
	Basic Rate		468.00
	Sub Total		468.00
	Add 10% For Area weightage		46.80
	Total Rate	Rate	514.80 Nos
		•	
	1 Surface Preparation: Saw cutting further to constructi	on and contol joints	s in floor to 10mm wide x 10mm
	deep as shear key, include surface preparation by mech	nanical means using	g Grinding machines with
	frequency control drive and planetry drive, equipped with	n a vaccum pipe foi	dust collection. where operating
	width should not be more than 400mm, power 5HP 3pha	ase, voltage 220V/4	115V, Motor speed should be 700
	RPM-900 RPM followed by Hand grinding machine for r	on approachable a	reas as directed in BS 8203 :
42	Code of practice for installation of resilient floor covering	gs,BS 8204 Parts 1	, 3, 6 and 7 and FERFA followed
	by as required all in complete as per manufacturers and	EIC . Work need to	o be done by flooring specialist
	only recommended by Flowcrete only.		
	2.Clean the surface thoroughly, fix the shear anchor with	n designed gap of c	construction and control joint.
	3. Supplying and Installing Versaspeed / Thin top Supre	me/ Eucocrete of F	LOWCRETE (USA) versatile,
	single-component, rapid-setting mortar for horizontal, ar		
	addition of water and 25% -40% pea aggregates, where	the compressive s	trength should be 58.6Mpa as
	per ASTM C 109, Flexural strength as per ASTM C 348	should be 6.2Mpa	in 1 day, Linear shrinkage as per
	ASTM C157 should be -0.083%, chloride permeability s	hould be 900 coulo	mbs as per ASTM C 1202 along
	with along with TUF-STRAND SF "structural fibers" of F	LOWCRETE are a	patented polypropylene /
	polyethylene synthetic macro-fiber successfully used to	•	
	conventional reinforcing bars in a wide variety of applica		• •
	C1116, Standard Specification for Fiber Reinforced Con		
	to provide equivalent tensile and bending resistance to		
	reinforced with TUF-STRAND SF will have three-dimens	_	
	impact and abrasion resistance and will also help mitiga		
	concrete. Dosage rates will vary depending upon the rei	• .	-
	to 12 kg/m³. TUF-STRAND SF synthetic macro-fibers co	ompiy with applicab	ne portions of the international
	Code Council (ICC)		
	Acceptance Criteria AC32 for synthetic fibers, are UL ce	•	
	are recognized within ACI 360 and SDI/ANSI-C1.0 as a	•	
	repair Mortar as per the manufacturer's recommendatio		
	to level of surrounding concrete surface utilizing techniq	ues recommended	and imistied with buil hoater top
	of by manufacturer or as per the site Engineer. THICKNESS- 30MM (Market Rate)		
	, ,		1 2000 001
	Basic Rate Sub Total		2600.00 2600.00
	Total Rate	Rate	2600.00 Sqm
	I Utal Nate	Rate	2000.00 34111
	Cutting 10mmX10mm joint where the joint a/b should no	nt ha more than 1 0	2 (As per TP34) followed by
40	Providing and filling Decksheild putty/ EUCO700 all in co		· · · · · · · · · · · · · · · · · · ·
43	EIC.(Market Rate)	ompiete as per mai	idiacidiei dilection di
	· · · · · · · · · · · · · · · · · · ·		100.00
	Basic Rate		130.00
	Sub Total	Dete	130.00
	Total Rate	Rate	130.00 Rmt

44	To supply and apply Green Label certified Decksheild system, low VOC as per ISO11890-2 resulted in Very Low <20g/L, solvent free, flexible polyurethane park deck coating system providing a colourful watertight, hard- wearing surface for intermediate decks of multi-storey, basement and other trafficable suspended floors consisting of 3 component, solvent free, Polyurethane based primer/body coat/binding agent having solid content of approximately 100% which accepts silica aggregate scatter to produce an anti skid surface as well as 2 component, coloured, flexible polurethane coating having 100% solid contents to seal the aggregate layer where UV light staibility is not critical having chemical resistance property to Petrol, Diesel, Antifreeze, Hydraulic Fluids, Chlorides & Battery Acids etc. Technical profile having Fire resistance -BS476-3 Designated EXT.F.AA, Slip Resistance as per TRRL Pendulum Slip Test resulted in Dry>40. Wet>40 (Low Slip Potential), Abrasion Resiatance as per Taber Abrader resulted in 0.1 mg loss per 1000 cycles (1Kg Load using CS17 wheels). For exposed area UV stable 2 component Polyurethane based top coat having abrasion resistance as per Taber Abrader: 0.1g loss per 1000 cycles, 100% UV Light stable & prevents from yellowing effect, followed by as required all in complete as per manufacturers and EIC (Market Rate)					
	Basic Rate		1400.00			
	Sub Total Total Rate	Rate	1400.00 1400.00	Sam		
	Total Rate	Rate	1400.00	Sqiii		
45	fittings (medium grade weight 1.27 kglmtr) B class including testing complete as per specifications. Specification No.KBS 13.2.14 I 13.8 do- 40 mm dia (KSRB 18-19,Pg No.92,SI No.13.5)	cost of all mate	erials, labour cha	rges, HOM and		
	Basic Rate		447.00			
	Sub Total		447.00			
	Add 10% For Area weightage		44.70			
	Total Rate	Rate	491.70	Rmt		
46	KSRRB M800-13.Road Marking with Hot Applied Thermop on Bituminous Surface/ Concrete Surface: Providing and lay mm thick including reflectorising glass beads at 250 gms of surface applied glass beads as per IRC:35 standards spe and free from streaks and holes complete as per specification (KSRB 18-19,SI No.24.15)	ring of hot appli per sqm area, t ecified. The fini	ied thermoplastic thickness of 2.5 n shed surface to b	compound 2.5 nm is exclusive se level, uniform		
	Basic Rate		429.00			
	Sub Total		429.00			
	Add 10% For Area weightage		42.90			
	Total Rate	Rate	471.90	Sqm		

Executive Engineer MSCL Mangaluru

G M Technical MSCL Mangaluru

MANGALURU SMART CITY 1.1 Grand Summary of E-Smart school - Govt PRACTICING SCHOOL

Sr. No.	Description	Cost In INR
1	E-Smart School - Govt Practicing School	
а	Building & Compound wall works	7,779,419
b	Electrical Works	727,483
С	Plumbing Works	184,976
d	External Development - Softscape & Hardscape	2,083,984
	Total Cost	10,775,862

Executive Engineer MSCL Mangaluru

GM Technical MSCL Mangaluru

MANGALURU SMART CITY

1.2 BOQ of E-Smart School - Govt Practicing School

Sr .No.	Description	Unit	Quantity	Rate	Amount
Α	Building & Compound wall works				
1	KSRRB M200-7.1. Clearing grass and removal of rubbish by manual means and stacking outside the periphery of the area cleaned complete as per specifications. MORTH Specification No. 201 PWD 18-19,Page No 138,SI No.18.10)	На	0.27	28330.50	7,604
2	KSRB 24-9 : Cleaning and washing of stone masonry wall surface with nitric acid including cost of materials, labour, complete as per specifications. Specification No.KBS 18-19, (Page No 130,SI No : 16.4)	Sqm	1595.72	5.50	8,776
3	Providing and construction laterite size stone masonary including cost and conveyance of all materials curing etc. complete as per specification.I.S.3620/1979 having compressive strength not less then 3.5N/mm2 for saturated dry samples.For super structure in CM 1:6 (Cement 45 kgs/M3) (KPWD 18-19,Page No 384,SI No : 42.5.3)	Cum	148.38	3730.10	553,472
4	KSRB 15.3.10 Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry and concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. PWD 18-19,SI No.15.19,Pg No 116	Sqm	918.62	300.30	275,862
5	KSRB 15-16.1: Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - do - with Primer PWD 18-19,SI No.15.53.2,Pg No 120	Sqm	2277.31	112.20	255,514
6	Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, complete as per specifications. (KPWD 18-19,SI No.15.103)	Sqm	252.65	374.00	94,491
7	KSRRB MS00-10 Painting new letter and figures of any shade with synthetic enamel paint black or any other approved colour to give an even shade complete as per specifications. ("ii) English and Roman - Hyphen and the like not to be measured and paid for" MORTH Specification No.801 (KSRRB 18-19,SI No.24.10)	Cm	600.00	0.77	462
8	Cleaning RCC sump tanks and RCC overhead tanks with mechanical dewatering including removal of sludge, mud, dirt, algea etc and cleaning the wall surface of tanks using high pressure jet, vacuum cleaning and spraying anti bacterial treatment to the wall and ceiling surfaces and UV treatment, including removing of sludge etc, using suitable coconut broomstick, squeesers I wipers I rubber brushes, coir brushes, plastic buckets, mugs, dewatering using motor with portal arrangement, hose pipe etc., complete including all safety measures. (KPWD 18-19,SI No.10.7)	L	10000.00	0.39	3,850
9	KSRB 15-18.3: Providing and applying enamel metal paint one coat (excluding priming coat) on previously painted steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. PWD 18-19,SI No.15.75,Pg No 123	Sqm	65.38	67.10	4,387

Sr .No.	Description	Unit	Quantity	Rate	Amount
10	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 PWD 18-19,SI No.2.3,Pg No 6	Cum	887.84	328.90	292,011
11	KSRB 4-1.6; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 ems. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2 PWD 18-19,SI No.4.6,Pg No 13	Cum	80.18	6490.00	520,368
12	KSRB 14.9-2: Providing and laying M-15 cement concrete flooring 60 mm thick with metallic concrete hardner topping, under layer of 45mm thick M-15 cernent concrete using broken granite metal of 20mm and down size and top layer of 15mm thick metallic cement hardner consisting of mix 1:2 (1 cement hardner mix: 2 granite metal 10mm nominal size) by volurne, with metalic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement= 1 part of metallic floor hardening compound of approved quality by wt), including finishing, cost of materials, labour, curing, complete as per specifications. Specification No. KBS 14.4 PWD 18-19,SI No.14.14	Sqm	296.00	797.50	236,060
13	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregates @0.47cum, with super plasticisers @3 liters conforming to IS 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedestrals, retaining walls, returnwalls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. PWD 18-19,SI No.4.10,Pg No 14	Cum	170.93	6817.80	1,165,367
14	Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete with all lead lifts and as per specifications and directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18	МТ	12.82	77860.20	998,148
15	Providing and removing,centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications PWD 18-19,SI No.4.28,Pg No 16	Sqm	552.54	289.30	159,850
16	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses plinth cills and string courses cost of all materials, labour complete as per specifications. PWD 18-19,SI No.4.31,Pg No 16	Sqm	1681.61	397.10	667,767
17	KSRRB M2200 - Providing Weep holes Providing weep holes in Brick masonry / Plain / Reinforced concrete abutment, wing wall / return wall with 100mm dia AC pipe , extending through the full width of the structure with slope of 1V:20H towards drawing force complete as per drawing and Technical specifications complete as per specifications. PWD 18-19,SI No.28.10,Pg No 229	Nos	38.00	161.70	6,145

Sr .No.	Description	Unit	Quantity	Rate	Amount
18	KSRB 2-4: Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications. PWD 18-19,SI No.2.11,Pg No 7	Cum	435.76	132.00	57,520
19	Providing and fixing unplasticised PVC pipes with working pressure 10 kg/sq.cm with pipe fittings, clips, making good the floor, including cost of all materials, labour charges, HOM and testing complete as per specifications. KSRB 18-19,Pg No.77,SI No.11.56.2				
	do- with 110mm outer dia	Rmt	57.00	666.60	37,996
20	Providing & Fixing CI Grating (325 x 325mm) for road gully cover including fixing the cover and CM 1:3 Plastering 20mm thick to all exposed faces curing for 90 days with all lead including cost of plastering but excluding cost of concrete etc,completete (As Per EOI)	Each	19.00	893.00	16,967
21	KSRB 24-44: Repairs to plaster in patches of 2.5 sqm and less in walls, ceilings 10 to 20mm thick in cement mortar 1:4 including cutting the patches in proper shape and replastering the surface of the wall including disposal of rubbish with a lead of 50m including curing cost of materials, labour, complete as per specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133	Sqm	324.46	304.70	98,863
22	Providing and fixing Special make glazed Vitrified tiles (Granomite finish) of approved make, quality and colour of size 600x600x10mm thick fixed on existing flooring with a special roffe adhesive for flooring and skirting etc., complete including providing spears at required interval and removing stains etc., complete. (P.No. 109, I.No. 14.43 of SR 2018-19).	Sqm	241.54	1452.00	350,716
23	Providing and laying of teak wooden polished flooring of 12mm thick, high density timber of approved colour and design with end trims, transition, profiles, beading, 15mm thick felt, and 20 micron polyester film with 4mm thick foam underlay etc., (P.No.113, I.No.14.70 of PWD SR 2018-19)	Sqm	43.22	5280.00	228,202
24	KSRB 14.14-5: Providing Ceramic tiles of approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing, complete as per specifications for Ceramic Tiles of size 30x30cms 6mm thick. PWD 18-19,SI No.14.36.2,Pg No.107 and 108	Sqm	259.73	1332.10	345,986
25	Providing and laying pattern flooring for staircase treads and risers using the combination of 20mm thick ruby red granite @ 66%,20 mm thick grey granite @ 20%, 20mm thick, 20mm thick black granite 14%. The granite materials are laid on existing bed of CM 1:3 20mm thick pointed with colour pigment, including full rounding for nosing, flaming the ruby red granite for 50 mm wide curing etc., complete as per specification. (P.No. 109, I.No. 14.46 of PWD SR 2018-19)	Sqm	58.21	7914.50	460,703
26	Repairing door and window frames with available wood to the required size. PWD 18-19,SI No.37.12,Pg No 267	Sqm	39.90	753.50	30,065
27	Repairing and fixing shutters (panelled or glazed) to doors, windows, ventilators and cupboards. PWD 18-19,SI No.37.13,Pg No.267	Sqm	39.90	753.50	30,065

Sr .No.	Description	Unit	Quantity	Rate	Amount
28	KSRB 15-15.1: Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - do- with primer PWD 18-19,SI No.15.51.2,Pg No.119	Sqm	462.00	99.00	45,738
29	Supplying and fixing new Mangalore tiles on existing reepers. PWD 18-19,SI No.37.9,Pg No.267	Sqm	404.76	447.70	181,211
30	KSRB 8.4: Providing and fixing Mangalore tile roofing using first class tiles with necessary special tiles for ridges and hips, wood reepers and pointed with cement mortar 1:4 over the existing rafters including cost of materials, labour, curing complete as per specifications. Specification No. KBS 8.17KSRB 8.4-2: do- Nandi wood reepers of size 50x25mm PWD 18-19,SI No.8.11	Sqm	269.84	895.40	241,615
31	Removing and fixing old Mangalore ridge tiles including pointing with C.M. 1:3. PWD 18-19,SI No.37.10,Pg No.267	Rmt	404.76	111.10	44,969
32	KSRB 15-17.19: Providing and applying painting one coat (excluding priming coat) on previously painted wood surface and / or wood based surface with black japan paint to give an even shade after cleaning the surface of all dirt, dust and foreign matter, including cost of materials, labour, complete as per specifications. PWD 18-19,SI No.15.71,Pg No.123	Sqm	729.93	61.60	44,964
33	KSRB 15-17.19:Applying additional one coat (excluding priming coat) on previously painted wood surface and / or wood based surface with black japan paint to give an even shade after cleaning the surface of all dirt, dust and foreign matter, including cost of materials, labour, complete as per specifications. PWD 18-19,SI No.15.72,Pg No.123	Sqm	729.93	55.00	40,146
34	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification PWD 18-19,SI No.10.5.1,Pg No 69	Cum	105.58	578.60	61,089
35	Fabrication supplying and erecting M.S. Tubular Truss of all spans as per approved drawing and design with prefabricated steel applications using quality material and are durable, reliable and corrosion and abrasion resisitant. Welding shall confirm to latest structural welding code. Quality shall be on various parametres like shape, size, design gauge and polish. The entire truss is anchored in RCC column by using 4 Nos. of M.S. anchor bolts at each support, with 10mm thick base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S pipes and wleding wherever necessary, and applying one coat of red oxide primer coat to all themembers including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, etc., complete as per specification (P.No.40, SI.No. 7.29 of PWD SR 2016-17)	Kg	1381.25	122.10	168,651

Sr .No.	Description	Unit	Quantity	Rate	Amount
36	Providing and fixing of pre pigmented extruded orange cement roof tiles of size 420mm x 330mm with necessary specials such as Ridges, Barges and Nails etc. including cast of providing PVC (6.00kgs/sq cm) gutters of min 6" radius and down water pipes of 4" dia as per the roof design on EXISTING MS/WOODEN ROOF or TRUSS. Including cost of materials, scaffoldings, labour etc., compelte as per specifications. (P.No.51, SI.No. 8.29 of PWD SR 2018-19)	Sqm	55.25	793.10	43,819
В	External Development - Softscape & Hardscape				
37	Providing and laying heavy duty Tactile Tiles (Direction and Stop tiles-300 x 300 mm) 60mm thick and Yellow in colour , using cement and course sand for manufacture of blocks of approved size, shape with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. (As Per EOI)	Sqm	185.80	912.00	169,450
38	KSRRB M300-Turfing lawns with fine grassing including ploughing, dressing KSRRB M300-5. Turfing lawns with fine grassing including ploughing, dressing including breaking of clods, removal of rubbish, dressing and supplying doobs grass roots at 10 cm apart, including supplying and spreading of farm yard manure at rate of 0.6 cum per 100 sqm complete as per specifications. MORTH Specification No. 307 PWD SOR 18-19,SI No.19.82,Pg No149	Sqm	398.50	25.30	10,082
39	KSRRB M300- Maintenance of lawns with fine grassing for the first year KSRRB M300-6. Maintenance of lawns with fine grassing for the first year including watering etc complete as per specifications. MORTH Specification No. 307. PWD SOR 18-19,SI No.19.83,Pg No149	Sqm	398.50	101.20	40,328
40	Providing and fixing Vitrified glazed tiles of approved make, quality & colour of size 900 x 900 x 12mm thick fixed on bed of 12mm thick cement mortar for flooring, skirting and JOinted with neat cement slurry mixed with pigment to mach shade of tiles, including providing spacers at required interval and removing stains, including cost of all mateirals, mortar, labour, etc., Complete as per specification. (KPWD 18-19,SI.No.14.45.1)	Sqm	743.20	1446.50	1,075,039
41	KSRB 2.9 : Spreading and forming the excavated earth to required level, slope for an average thickness of 75mm. in all classes of soils including breaking clods and tamping manually alround the building and low laying areas complete as per specifications.specification. No. KBS : (KSRB 18-19,Pg No.7,SI No.2.16)	Sqm	503.00	9.90	4,980
42	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete. do- of size 450 x 150 x 400 mm (KSRRB 18-19,Pg No.27,SI No.5.29.1)	Nos	238.00	514.80	122,522

Sr .No.	Description	Unit	Quantity	Rate	Amount
43	1 Surface Preparation: Saw cutting further to construction and contol joints in floor to 10mm wide x 10mm deep as shear key, include surface preparation by mechanical means using Grinding machines with frequency control drive and planetry drive, equipped with a vaccum pipe for dust collection. where operating width should not be more than 400mm, power 5HP 3phase, voltage 220V/415V, Motor speed should be 700 RPM-900 RPM followed by Hand grinding machine for non approachable areas as directed in BS 8203: Code of practice for installation of resilient floor coverings,BS 8204 Parts 1, 3, 6 and 7 and FERFA followed by as required all in complete as per manufacturers and EIC. Work need to be done by flooring specialist only recommended by Flowcrete only.				
	construction and control joint. 3. Supplying and Installing Versaspeed / Thin top Supreme/ Eucocrete of FLOWCRETE (USA) versatile, single-component, rapid-setting mortar for horizontal, and form and pour repair projects. Requiring only the addition of water and 25% -40% pea aggregates, where the compressive strength should be 58.6Mpa as per ASTM C 109, Flexural strength as per ASTM C 348 should be 6.2Mpa in 1 day, Linear shrinkage as per ASTM C157 should be -0.083%, chloride permeability should be 900 coulombs as per ASTM C 1202 along with along with TUF-STRAND SF "structural fibers" of FLOWCRETE are a patented polypropylene / polyethylene synthetic macro-fiber successfully used to replace steel fibers, welded wire mesh and conventional reinforcing bars in a wide variety of applications. TUF-STRAND SF fibers comply with ASTM C1116, Standard Specification for Fiber Reinforced Concrete and Shotcrete, and are specifically designed to provide equivalent tensile and bending resistance to conventional reinforcement requirements. Concrete reinforced with TUF-STRAND SF will have three-dimensional reinforcing with enhanced flexural toughness, impact and abrasion resistance and will also help mitigate the formation of plastic shrinkage cracking in concrete. Dosage rates will vary depending upon the reinforcing requirements and can range from 1.8 kg/m³ to 12 kg/m³. TUF-STRAND SF synthetic macro-fibers comply with applicable portions of the International Code Council (ICC)				
	Acceptance Criteria AC32 for synthetic fibers, are UL certified for composite metal deck construction and are recognized within ACI 360 and SDI/ANSI-C1.0 as a reinforcing alternate to WWF. Mixing and applying repair Mortar as per the manufacturer's recommendations within the open time of the bonding agents. Finish to level of surrounding concrete surface utilizing techniques recommended and finished with bull floater top of by manufacturer or as per the site Engineer. THICKNESS- 30MM (Market Rate)	Sqm	162.00	2600.00	421,200
44	Cutting 10mmX10mm joint where the joint a/b should not be more than 1.02, (As per TR34). followed by Providing and filling Decksheild putty/ EUCO700 all in complete as per manufacturer direction or EIC.(Market Rate)	Rmt	81.00	130.00	10,530

Sr .No.	Description	Unit	Quantity	Rate	Amount
45	To supply and apply Green Label certified Decksheild system, low VOC as per ISO11890-2 resulted in Very Low <20g/L, solvent free, flexible polyurethane park deck coating system providing a colourful watertight, hard- wearing surface for intermediate decks of multi-storey, basement and other trafficable suspended floors consisting of 3 component, solvent free, Polyurethane based primer/body coat/binding agent having solid content of approximately 100% which accepts silica aggregate scatter to produce an anti skid surface as well as 2 component, coloured, flexible polurethane coating having 100% solid contents to seal the aggregate layer where UV light staibility is not critical having chemical resistance property to Petrol, Diesel, Antifreeze, Hydraulic Fluids, Chlorides & Battery Acids etc. Technical profile having Fire resistance -BS476-3 Designated EXT.F.AA, Slip Resistance as per TRRL Pendulum Slip Test resulted in Dry>40. Wet>40 (Low Slip Potential), Abrasion Resiatance as per Taber Abrader resulted in 0.1 mg loss per 1000 cycles (1Kg Load using CS17 wheels). For exposed area UV stable 2 component Polyurethane based top coat having abrasion resistance as per Taber Abrader: 0.1g loss per 1000 cycles, 100% UV Light stable & prevents from yellowing effect, followed by as required all in complete as per manufacturers and EIC (Market Rate)	Sqm	162.00	1400.00	226,800
46	KSRB13-1.1: Providing and fixing to wall, ceiling and floor galvanised I mild steel tube nominal bore with fittings (medium grade weight 1.27 kglmtr) B class including cost of all materials, labour charges, HOM and testing complete as per specifications. Specification No.KBS 13.2.14 I 13.8 do- 40 mm dia (KSRB 18-19,Pg No.92,SI No.13.5)	Rmt	6.21	491.70	3,053
	GRAND TOTAL				9,863,403

GST @12% on SOR & Non SOR GST @18% on Market 9,018,456 658,530 1082215 118535

Executive Engineer MSCL Mangaluru

GM Technical
MSCL Mangaluru

MANGALURU SMART CITY 1.3 Measurement of E-SMART SCHOOL - Govt Practicing School

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	KSRRB M200-7.1. Clearing grass and removal of rubbish by						
4	manual means and stacking outside the periphery of the area						
1	cleaned complete as per specifications. MORTH Specification No. 201						
	PWD 18-19,Page No 138,SI No.18.10)						
	Total Area	Sqm	1	6346.00	Area		6346.00
	Ded	Sqm Sqm	-1	3662.00	Area		-3662.00 2684.00
		Ha					0.268
							0.200
	VODD OA O. Oleveire and analysis of state of the state of						
2	KSRB 24-9: Cleaning and washing of stone masonry wall surface with nitric acid including cost of materials, labour, complete as per specifications. Specification No.KBS 18-19,						
	(Page No 130,SI No : 16.4)						
	Compound wall - Front side	Sqm	2	78.50		2.50	392.50
	Right side Left side	Sqm Sqm	2	62.60 81.40		2.00 2.50	250.40 407.00
	Back side	Sqm	2	106.70		2.50	533.50
	Pillar	Sqm	2	2.80		2.20	12.32
		Sqm			Total		1595.72
	Providing and construction laterite size stone masonary including						
	cost and conveyance of all materials curing etc. complete as per						
	specification.I.S.3620/1979 having compressive strength not less						
3	then 3.5N/mm2 for saturated dry samples.For super structure in						
	CM 1:6 (Cement 45 kgs/M3)						
	(KPWD 18-19,Page No 384,SI No : 42.5.3)						
	Compound wall - Front side	Cum	1	31.40	0.23	2.50	18.06
	Right side	Cum	1	25.04	0.23	2.00	11.52
	Left side	Cum	1	32.56	0.23	2.50	18.72
	Back side	Cum	1	42.68	0.23	2.50	24.54
	Pillar B11 Block -Outside wall	Cum Cum	1	1.12 42.80	0.23 0.23	2.20 4.48	1.13 44.05
	Ampitheter	Cum	1	22.00	0.23	0.60	6.07
	runpunotoi	Cum	1	24.00	0.46	0.90	9.94
		Cum	1	26.00	0.46	1.20	14.35
	Total Quantity	Cum			Total		148.38
4	KSRB 15.3.10 Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry and concrete surface including rounding off corners wherever required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. PWD 18-19,SI No.15.19,Pg No 116						
	l vis is is, sincing, give vis						
	Compound wall - Front side	Sqm	2	31.40		2.50	157.00
	Right side	Sqm	2	25.04		2.00	100.16
	Left side	Sqm	2	32.56		2.50	162.80
	Back side	Sqm	2	42.68		2.50	213.40
	Pillar	Sqm	2	1.12		2.20	4.93
	B11 Block -Outside wall	Sqm	1	42.80		4.48	191.53
	Ampitheter	Sqm	2	22.00		0.30	13.20
		Sqm	2	24.00		0.60	28.80
		Sqm	2	26.00		0.90	46.80
	Total Quantity	Sqm		20.00	Total	0.50	918.62
					10101		0.0.02
5	KSRB 15-16.1: Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - do - with Primer PWD 18-19,SI No.15.53.2,Pg No 120						
	Compound wall - Front side	Sqm	2	78.50		2.50	392.50
	Right side	Sqm	2	62.60		2.00	250.40
	Left side	Sqm	2	81.40		2.50	407.00
	Back side	Sqm	2	106.70		2.50	533.50
	Pillar	Sqm	2	2.80		2.20	12.32
	B11 Block Outside Building	Sqm	1	107.00		4.48	478.83
	Outoide Duilding	Sqiii	<u> </u>	107.00	1	4.40	410.03

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	Ded	Cam	4	0.00		2.40	1.0
	D D1	Sqm Sqm	-1 -8	0.90 1.20		2.10 1.90	-1.8 -18.2
	W		-o -12	1.20			
		Sqm				1.45	-20.8
	W1	Sqm	-4	0.86		1.16	-3.9
	GW	Sqm	-2	0.90		0.90	-1.6
	GW1	Sqm	-1	1.20		1.20	-1.4
	GW/V	Sqm	-3	0.90		0.30	-0.8
	Chejja						
	W	Sqm	10	1.50	0.6		9.0
	W1	Sqm	8	1.16	0.6		5.5
	GW	Sqm	2	1.20	0.6		1.4
	GW1	Sqm	2	1.50	0.6		1.8
	GW/V	Sqm	6	1.20	0.6		4.3
		- 1	_				
	B13 - Stage	Sqm	2	14.95		0.75	22.4
	Wall	Sqm	4	3.20		1.50	19.2
	VVali						
		Sqm	2	8.00		1.50	24.0
	B12 Toilet Block						
	Outside Building	Sqm	2	16.00		2.50	80.0
	Ded						
	Door - D	Sqm	-3	0.75		2.10	-4.7
	Ventilator- V	Sqm	-5	0.20		0.20	-0.2
	Ampitheter	Sqm	2	22.00		0.30	13.
	·	Sqm	2	24.00		0.60	
							28.8
		Sqm	2	26.00		0.90	46.8
		Sqm	<u> </u>		Total		2277.:
							•
6	Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, complete as per specifications.						
	(KPWD 18-19,SI No.15.103)						
	Compound wall - Front side	Sqm	1	78.5		2.50	196.2
	B11 Block Front wall	Sqm	1	47.00		1.20	56.4
		Sqm			Total		252.6
7	KSRRB MS00-10 Painting new letter and figures of any shade with synthetic enamel paint black or any other approved colour to give an even shade complete as per specifications. ("ii) English and Roman - Hyphen and the like not to be measured and paid for" MORTH Specification No.801 (KSRRB 18-19,SI No.24.10)						
	Total Qty-Name Plate, Signages & School Entrance signages on	Cm	12	50.00			600.0
	wall	Cili	12	30.00			000.0
		Cm			Total		600.0
8	Cleaning RCC sump tanks and RCC overhead tanks with mechanical dewatering including removal of sludge, mud, dirt, algea etc and cleaning the wall surface of tanks using high pressure jet, vacuum cleaning and spraying anti bacterial treatment to the wall and ceiling surfaces and UV treatment, including removing of sludge etc, using suitable coconut broomstick, squeesers I wipers I rubber brushes, coir brushes, plastic buckets, mugs, dewatering using motor with portal arrangement, hose pipe etc., complete including all safety measures. (KPWD 18-19,SI No.10.7)		40000				40000
	Total Qty	<u>L</u>	10000				10000.0
		L			Total		10000.0
9	KSRB 15-18.3 : Providing and applying enamel metal paint one coat (excluding priming coat) on previously painted steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. PWD 18-19,SI No.15.75,Pg No 123						
	Entrance Gate	Sqm	1	5.10		2.20	11.2
	B11 Block	Oqiii	<u>'</u>	0.10		2.20	11.2
	GW GW	Sqm	2	0.00		0.00	4.0
	GW1		2	0.90		0.90	1.6
	ICANA I	Sqm	1	1.20		1.20	1.4
		C					
	GW/V	Sqm	3	0.90		0.30	3.0
		Sqm Sqm Sqm	8	0.90 2.51	Total	2.50	50. 65 .

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
10	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 PWD 18-19,SI No.2.3,Pg No 6						
				107.00			
	B11 Block- Waterproofing B13 - Stage Side waterproofing	Cum Cum	1	107.00 30.00	0.30	0.45 0.45	14.45 4.05
	B12 - Toilet Block Watreproofing	Cum	1	32.10	0.30	0.45	4.33
	Entry Driveway Parking	Cum Cum	1	23.20 9.60	10.00 2.50	0.70 0.70	162.40 16.80
	Parking	Cum	1	20.00	2.00	0.70	28.00
	RCC Covered Drain						
	SWD-0.3m Clear Width SWD - 0.45m Clear Width	Cum Cum	1	233.70 54.03	0.80 0.95	1.00 1.21	186.96 62.11
	SWD - 0.45m Clear Width	Cum	1	234.74	1.10	1.40	360.21
	SWD Chamber	Cum	19	0.70	0.70	0.50	4.66
	UPVC Pipe	Cum	1	57.00	0.75	1.03	43.87
		Cum			Total		887.84
11	KSRB 4-1.6; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 ems. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2 PWD 18-19,SI No.4.6,Pg No 13						
	RCC Covered Drain						
	PCC for Raft						
	SWD-0.3m Clear Width SWD - 0.45m Clear Width	Cum Cum	1	233.70 54.03	0.80 0.95	0.10 0.10	18.70 5.13
	SWD - 0.43111 Clear Width	Cum	1	234.74	1.10	0.10	25.82
	SWD Chamber	Cum	19	0.70	0.70	0.10	0.93
	Entry Driveway Parking	Cum Cum	1	23.20 9.60	10.00 2.50	0.10 0.10	23.20 2.40
	Parking	Cum	1	20.00	2.00	0.10	4.00
					Total		80.18
12	KSRB 14.9-2 : Providing and laying M-15 cement concrete flooring 60 mm thick with metallic concrete hardner topping, under layer of 45mm thick M-15 cernent concrete using broken granite metal of 20mm and down size and top layer of 15mm thick metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volurne, with metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement= 1 part of metallic floor hardening compound of approved quality by wt), including finishing, cost of materials, labour, curing, complete as per specifications. Specification No. KBS 14.4 PWD 18-19,SI No.14.14						
	Entry Driveway	Sqm	1	23.20	10.00		232.00
-	Parking Parking	Sqm Sqm	1	9.60	2.50 2.00		24.00 40.00
		Sqm			Total		296.00
13	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregates @ 0.47cum, with super plasticisers @ 3 liters conforming to IS 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedestrals, retaining walls, returnwalls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc including cost of all materials, labour, HOM of						
	machinery, curing, complete but excluding cost of reinforcement as per specifications. PWD 18-19,SI No.4.10,Pg No 14 RCC Covered Drain						

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	SWD-0.3m Clear Width	Cum	1	233.70	0.50	0.15	17.53
	SWD - 0.45m Clear Width		1			·	5.27
	SWD - 0.60m Clear Width	Clear Width	28.17				
14 a a a a a a a a a a a a a a a a a a a	SWD Chamber Side wall	Cum	19	0.50	0.50	0.10	0.48
	SWD-0.3m Clear Width	Cum	2	233.70	0.10	0.6	28.04
	SWD - 0.45m Clear Width						8.75
	SWD - 0.60m Clear Width						46.71
	SWD Chamber	Cum	19	1.20	0.10	0.30	0.68
	Covered Slab	0	4	000.70	0.00	0.45	10.50
	SWD - 0.45m Clear Width						10.52 3.65
	SWD - 0.60m Clear Width						21.13
					0.00		170.93
14	Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete with all lead lifts and as per specifications and directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18				Kg/Cum		
	RCC Covered Drain						
	Raft	Kg	1	51.45	75		3858.75
	Side wall		1		75		6313.50
	Covered Slab		1	35.30	75		2647.50
							12819.75
		MT					12.82
15	Providing and removing, centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications PWD 18-19,SI No.4.28,Pg No 16 RCC Covered Drain						
	Raft side			202 72		0.45	70.44
	SWD-0.3m Clear Width						70.11 16.21
	SWD - 0.4311 Clear Width						70.42
	SWD Chamber						3.80
	RCC Covered Drain						
	Slab Bottom						
	SWD-0.3m Clear Width						70.11
	SWD - 0.45m Clear Width						24.31 140.84
	Slab side	Oqiii	'	204.74	0.00		170.07
	SWD-0.3m Clear Width	Sqm	2	233.70		0.15	70.11
	SWD - 0.45m Clear Width	Sqm					16.21
	SWD - 0.60m Clear Width		2	234.74		0.15	70.42
		Sqm					552.54
16	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses plinth cills and string courses cost of all materials, labour complete as per specifications. PWD 18-19,SI No.4.31,Pg No 16						
	RCC Covered Drain						
	Wall side SWD-0.3m Clear Width	Sam	4	233.70		0.6	560.88
	SWD - 0.45m Clear Width						175.06
	SWD - 0.60m Clear Width	Sqm	4	234.74		0.995	934.27
	SWD Chamber		19	2.00		0.30	11.40
		Sqm					1681.61
17	KSRRB M2200 - Providing Weep holes Providing weep holes in Brick masonry / Plain / Reinforced concrete abutment, wing wall / return wall with 100mm dia AC pipe , extending through the full width of the structure with slope of 1V:20H towards drawing force complete as per drawing and Technical specifications complete as per specifications. PWD 18-19,SI No.28.10,Pg No 229						
	RCC Covered Drain		00.5				
	SWD Chamber		38.00				38.00
							38.00

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
18	KSRB 2-4 : Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications. PWD 18-19,SI No.2.11,Pg No 7						
	RCC Covered Drain						
	Total Excavated Qty	Cum	1				657.81
	PCC Qty	Cum	-1				-50.58
	RCC Qty UPVC Pipe 110mm Dia	Cum	-1 -1	F7.00	0.04		-170.93
	OPVC Pipe Tromm Dia	Cum Cum	-1	57.00	0.01		-0.54 435.76
		Juin					400.70
19	Providing and fixing unplasticised PVC pipes with working pressure 10 kg/sq.cm with pipe fittings, clips, making good the floor, including cost of all materials, labour charges, HOM and testing complete as per specifications. KSRB 18-19,Pg No.77,SI No.11.56.2						
	do- with 110mm outer dia						
	RCC Covered Drain	Rmt	1.00	57.00			57.00
		Rmt					57.00
20	Providing & Fixing CI Grating (325 x 325mm) for road gully cover including fixing the cover and CM 1:3 Plastering 20mm thick to all exposed faces curing for 90 days with all lead including cost of plastering but excluding cost of concrete etc,completete (As Per EOI)						
	SWD Chamber	Each	19.00				19.00
		Each					19.00
21	KSRB 24-44: Repairs to plaster in patches of 2.5 sqm and less in walls, ceilings 10 to 20mm thick in cement mortar 1:4 including cutting the patches in proper shape and replastering the surface of the wall including disposal of rubbish with a lead of 50m including curing cost of materials, labour, complete as per specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133						
	B11 Block Outside Building	Sqm	1	107.00		4.48	478.83
	B11 Block inside Building	Sqm	1	107.00			462.00
	B13 Stage	Sqm	1				65.63
	B12 - Toilet Block	Sqm	1				75.07
		Sqm			Total		1081.53
	Total 30% Quantity	Sqm			Total		324.46
22	Providing and fixing Special make glazed Vitrified tiles (Granomite finish) of approved make, quality and colour of size 600x600x10mm thick fixed on existing flooring with a special roffe adhesive for flooring and skirting etc., complete including providing spears at required interval and removing stains etc., complete. (P.No. 109, I.No. 14.43 of SR 2018-19).						
	B11 Block						
	Staff Room	Sqm	1	6.20	5.73	0.45	35.53
	Skirting B11 Block	Sqm	1	23.86		0.15	3.58
	Anganavadi	Sqm	1	3.30	6.30		20.79
	Skirting	Sqm	1	19.20		0.15	2.88
	Class Room	Sqm	2	6.23	5.73		71.40
	Skirting	Sqm	1	23.92	. =-	0.15	3.59
	Passage	Sqm	1	43.00 43.00	1.50	0.45	64.50
	Skirting Passage	Sqm Sqm	1	1.40	0.95	0.15	6.45 1.33
	Skirting	Sqm	1	1.40	0.50	0.15	0.21
	B6 Block	→ Ψ·''	<u> </u>	,		J	U.21
	Corridor	Sqm	1	15.26	1.90		28.99
	Skirting	Sqm	1	15.26		0.15	2.29
	Total Qty	Sqm			Total		241.54
23	Providing and laying of teak wooden polished flooring of 12mm thick, high density timber of approved colour and design with end trims, transition, profiles, beading, 15mm thick felt, and 20 micron polyester film with 4mm thick foam underlay etc., (P.No.113, I.No.14.70 of PWD SR 2018-19)						

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	HM Chamber	Sqm	1	6.80 25.20	5.80	0.45	39.44
	Skirting Total Qty	Sqm Sqm	ļ	25.20	Total	0.15	3.78 43.22
	Total Qty	Sqiii			Total		43.22
24	KSRB 14.14-5: Providing Ceramic tiles of approved make,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing, complete as per specifications for Ceramic Tiles of size 30x30cms 6mm thick. PWD 18-19,SI No.14.36.2,Pg No.107 and 108						
	B11 Block						
	Hall	Sqm	1	16.40	5.75		94.30
	Skirting	Sqm	1	44.30		0.15	6.65
	B13 Stage	Sqm	1	8.00	6.25		50.00
	B12 Toilet Block	Sqm	1	2.50	6.05		15.13
		Sqm	1	2.35	1.30		3.06
		Sqm	1	2.35 6.60	1.10 2.80		2.59 18.48
	Dadooing	Sqm Sqm	1	17.10	2.80	1.50	25.65
	Dadooing	Sqm	1	7.30		1.50	10.95
		Sqm	1	6.90		1.50	10.35
	 	Sqm	1	18.80		1.50	28.20
	Ded Door	Sqm	-5	0.75	1	1.50	-5.63
	Total Qty	Sqm		55	Total		259.73
		- 4					
25	Providing and laying pattern flooring for staircase treads and risers using the combination of 20mm thick ruby red granite @ 66%,20 mm thick grey granite @ 20%, 20mm thick, 20mm thick black granite 14%. The granite materials are laid on existing bed of CM 1:3 20mm thick pointed with colour pigment, including full rounding for nosing, flaming the ruby red granite for 50 mm wide curing etc., complete as per specification. (P.No. 109, I.No. 14.46 of PWD SR 2018-19)						
	B11 Block						
	Entry Step- Tread	Sqm	10	3.00	0.30	0.45	9.00
	Entry Step- Riser	Sqm	15	3.00	0.05	0.15	6.75
	Ramp	Sqm	1	3.80	0.95		3.61
	B13 Block Entry Step	Cam	2	1.00	0.20		1 71
	Tread Riser	Sqm Sqm	3 4	1.90 1.90	0.30	0.15	1.71 1.14
	Ampitheter	Sqm	1	22.00	0.50	0.15	11.00
	Amplinetei	Sqm	1	24.00	0.50		12.00
		Sqm	1	26.00	0.50		13.00
	Total Qty	Sqm	'	20.00	Total		58.21
		- 4					
26	Repairing door and window frames with available wood to the required size. PWD 18-19,SI No.37.12,Pg No 267 B11 Block						
	D	Sqm	1	0.90	<u> </u>	2.10	2.00
	D1	Sqm	8	1.20	1	1.90	18.00
	W	Sqm	12	1.20		1.45	21.00
		Sqm	4	0.86		1.16	4.00
	W1					0.90	2.00
	GW	Sqm	2	0.90	<u> </u>	0.00	4.00
	GW GW1	Sqm Sqm	1	1.20		1.20	
	GW GW1 GW/V	Sqm					
	GW GW1 GW/V B12 Block	Sqm Sqm Sqm	3	1.20 0.90		1.20 0.30	1.00
	GW GW1 GW/V	Sqm Sqm	1	1.20		1.20	1.00
	GW GW1 GW/V B12 Block	Sqm Sqm Sqm	3	1.20 0.90	Total	1.20 0.30	1.00 8.00
	GW GW1 GW/V B12 Block Door - D	Sqm Sqm Sqm	3	1.20 0.90	Total Total	1.20 0.30	1.00 1.00 8.00 57.00
	GW GW1 GW/V B12 Block Door - D Total 70% Quantity	Sqm Sqm Sqm	3	1.20 0.90	Total Total	1.20 0.30	8.00 57.00
27	GW GW1 GW/V B12 Block Door - D	Sqm Sqm Sqm	3	1.20 0.90		1.20 0.30	1.00 8.00 57.00
27	GW GW1 GW/V B12 Block Door - D Total 70% Quantity Repairing and fixing shutters (panelled or glazed) to doors, windows, ventilators and cupboards. PWD 18-19,SI No.37.13,Pg No.267	Sqm Sqm Sqm	3	1.20 0.90		1.20 0.30	1.00 8.00 57.00 39.90
27	GW GW1 GW/V B12 Block Door - D Total 70% Quantity Repairing and fixing shutters (panelled or glazed) to doors, windows, ventilators and cupboards. PWD 18-19,SI No.37.13,Pg No.267 B11 Block	Sqm Sqm Sqm Sqm Sqm	5	1.20 0.90 0.75		1.20 0.30 2.10	1.00 8.00 57.00 39.90
27	GW GW1 GW/V B12 Block Door - D Total 70% Quantity Repairing and fixing shutters (panelled or glazed) to doors, windows, ventilators and cupboards. PWD 18-19,SI No.37.13,Pg No.267 B11 Block D	Sqm Sqm Sqm Sqm Sqm	5	1.20 0.90 0.75		2.10 2.10 2.10 1.90	1.00 8.00 57.00 39.90 2.00 18.00 21.00
27	GW GW1 GW/V B12 Block Door - D Total 70% Quantity Repairing and fixing shutters (panelled or glazed) to doors, windows, ventilators and cupboards. PWD 18-19,SI No.37.13,Pg No.267 B11 Block D D1 W W1	Sqm Sqm Sqm Sqm Sqm Sqm	1 3 5	1.20 0.90 0.75 0.75		1.20 0.30 2.10 2.10 1.90	1.00 8.00 57.00 39.90 2.00 18.00 21.00
27	GW GW1 GW/V B12 Block Door - D Total 70% Quantity Repairing and fixing shutters (panelled or glazed) to doors, windows, ventilators and cupboards. PWD 18-19,SI No.37.13,Pg No.267 B11 Block D D1 W W1 GW	Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 3 5 1 8 12	1.20 0.90 0.75 0.75 0.90 1.20 1.20 0.86 0.90		2.10 2.10 2.10 1.90	2.00 18.00 21.00 4.00
27	GW GW1 GW/V B12 Block Door - D Total 70% Quantity Repairing and fixing shutters (panelled or glazed) to doors, windows, ventilators and cupboards. PWD 18-19,SI No.37.13,Pg No.267 B11 Block D D1 W W1 GW GW1	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 3 5 1 8 12 4 2	1.20 0.90 0.75 0.75 0.90 1.20 0.86 0.90 1.20		2.10 2.10 2.10 2.10 1.90 1.45 1.16 0.90 1.20	1.00 8.00 57.00 39.90 2.00 18.00 21.00 4.00 2.00
27	GW GW1 GW/V B12 Block Door - D Total 70% Quantity Repairing and fixing shutters (panelled or glazed) to doors, windows, ventilators and cupboards. PWD 18-19,SI No.37.13,Pg No.267 B11 Block D D1 W W1 GW GW1 GW/V	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 3 5 1 8 12 4 2	1.20 0.90 0.75 0.75 0.90 1.20 1.20 0.86 0.90		2.10 2.10 2.10 2.10 1.90 1.45 1.16 0.90	1.00 8.00 57.00 39.90 2.00 18.00 21.00 4.00 2.00
27	GW GW1 GW/V B12 Block Door - D Total 70% Quantity Repairing and fixing shutters (panelled or glazed) to doors, windows, ventilators and cupboards. PWD 18-19,SI No.37.13,Pg No.267 B11 Block D D1 W W1 GW GW1	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 3 5 1 8 12 4 2	1.20 0.90 0.75 0.75 0.90 1.20 0.86 0.90 1.20		2.10 2.10 2.10 2.10 1.90 1.45 1.16 0.90 1.20	1.00 8.00

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	Total 70% Quantity	Sqm			Total		57.00 39.90
28	KSRB 15-15.1: Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications.	·					
	PWD 18-19,SI No.15.51.2,Pg No.119						
	Main building inside wall B11 Block						
	Anganavadi	Sqm	2	9.60		3.00	58.00
	Staff Room	Sqm	2	12.00		3.00	72.00
	Class Room	Sqm	4	12.10		3.00	145.00
	Hall HM Room	Sqm Sqm	2	22.20 12.6		3.00 3.00	133.00 76.00
	Ded	Sqiii		12.0		3.00	70.00
	D	Sqm	-1	0.90		2.10	-2.00
	D1	Sqm	-8	1.20		1.90	-18.00
	W	Sqm	-12	1.20		1.45	-21.00
	W1 GW	Sqm Sqm	-4 -2	0.86 0.90		1.16 0.90	-4.00 -2.00
	GW1	Sqm	- <u>-</u> 2	1.20		1.20	-1.00
	GW/V	Sqm	-3	0.90		0.30	-1.00
	B12 Toilet Block						
	Toilet	Sqm	2	8.6		0.70	12.00
	Toilet Toilet	Sqm Sqm	2	3.65 3.45		0.70 0.70	5.00 5.00
	Toilet	Sqm	2	9.4		0.70	13.00
	Ded	Oqiii		0.1		0.10	10.0
	Door	Sqm	-5	0.75		2.10	-8.00
	Ventilator	Sqm	-5	0.20		0.20	0.00
	Total Quantity	Sqm			Total		462.00
29	Supplying and fixing new Mangalore tiles on existing reepers. PWD 18-19,SI No.37.9,Pg No.267						
	B11 Block	Sqm	1				674.60
		Sqm	-		Total		674.60
	Total 60% Quantity	Sqm					404.76
30	KSRB 8.4: Providing and fixing Mangalore tile roofing using first class tiles with necessary special tiles for ridges and hips, wood reepers and pointed with cement mortar 1:4 over the existing rafters including cost of materials, labour, curing complete as per specifications. Specification No. KBS 8.17KSRB 8.4-2: do- Nandi wood reepers of size 50x25mm PWD 18-19,SI No.8.11						
	B11 Block	Sqm	1				674.60
		Sqm			Total		674.60
	Total 40% Quantity	Sqm					269.84
31	Removing and fixing old Mangalore ridge tiles including pointing with C.M. 1:3. PWD 18-19,SI No.37.10,Pg No.267						
	B11 Block	Rmt	1	65.60			65.60
	BTT Blook	Rmt		00.00	Total		65.60
	Total 65% Quantity	Rmt					42.64
31	KSRB 15-17.19: Providing and applying painting one coat (excluding priming coat) on previously painted wood surface and / or wood based surface with black japan paint to give an even shade after cleaning the surface of all dirt, dust and foreign matter, including cost of materials, labour, complete as per specifications. PWD 18-19,SI No.15.71,Pg No.123						
	B11 Block Wooden Pillar	Sam	14	0.20		2.00	E C
	D Wooden Pillar	Sqm Sqm	14	0.20 0.90		2.00 2.10	5.60 1.89
	D1	Sqm	8	1.20		1.90	18.24
	W	Sqm	12	1.20		1.45	20.88
	W1 Rafters and reepers	Sqm	4	0.86		1.16	3.99 674.60
	riganers and reepers	Sqm	1	1			674

Sr.No.	Descriptions B12 Block	Unit	Nos.	Length	Breadth	Depth	Quantity
	Door - D	Sqm	3	0.75		2.10	4.73
		Sqm			Total		729.93
32	KSRB 15-17.19:Applying additional one coat (excluding priming coat) on previously painted wood surface and / or wood based surface with black japan paint to give an even shade after cleaning the surface of all dirt, dust and foreign matter, including cost of materials, labour, complete as per specifications. PWD 18-19,SI No.15.72,Pg No.123						
	B11 Block						
	Wooden Pillar	Sqm	14	0.2		2.0	5.60
	D	Sqm	1	0.9		2.10	1.89
	D1 W	Sqm Sqm	8 12	1.2 1.2		1.90 1.45	18.24 20.88
	W1	Sqm	4	0.86		1.43	3.99
	Rafters and reepers	Sqm	1	0.00			674.60
	B12 Block	•					
	Door - D	Sqm	3	0.75		2.10	4.73
		Sqm			Total		729.93
33	water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification PWD 18-19,SI No.10.5.1,Pg No 69						
	B11 Block Plinth	Sqm	1	107.00		0.45	48.15
	B13 Block Plinth	Sqm	1	30.00		0.45	13.50
	B12 Toilet Block RCC Slab	Sqm	1	12.55	3.50		43.93
		Sqm			Total		105.58
34	Fabrication supplying and erecting M.S. Tubular Truss of all spans as per approved drawing and design with prefabricated steel applications using quality material and are durable, reliable and corrosion and abrasion resisitant. Welding shall confirm to latest structural welding code. Quality shall be on various parametres like shape, size, design gauge and polish. The entire truss is anchored in RCC column by using 4 Nos. of M.S. anchor bolts at each support, with 10mm thick base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S pipes and wleding wherever necessary, and applying one coat of red oxide primer coat to all themembers including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, etc., complete as per specification (P.No.43, SI.No. 7.29 of PWD SR 2018-19)					Kg/Sqm	
	B13 Stage	Sqm Sqm	1.00	8.50	6.5 Total	25	1381.25 1381.25
35	Providing and fixing of pre pigmented extruded orange cement roof tiles of size 420mm x 330mm with necessary specials such as Ridges, Barges and Nails etc. including cast of providing PVC (6.00kgs/sq cm) gutters of min 6" radius and down water pipes of 4" dia as per the roof design on EXISTING MS/WOODEN ROOF or TRUSS. Including cost of materials, scaffoldings, labour etc.,						
33	compelte as per specifications. (P.No.51, SI.No. 8.29 of PWD SR 2018-19)						
35	compelte as per specifications. (P.No.51, SI.No. 8.29 of PWD SR 2018-19)	Sam	1.00	8.50	6.5		55.25
35	compelte as per specifications.	Sqm Sqm	1.00	8.50	6.5 Total		55.25 55.25

36 c t t t t t t t t t t t t t t t t t t	Providing & laying driveway or outerdoor tiles 600x600 mm16mm thickness with water absorption less than 0.08% and confirming to IS; 15622, of approved brand & manufacturer, in all colours and shade, laid, including grouting of joints. (pavement for grouching of joints to be made separately) or equivalent in 20 mm thick bed of cement coarse sand mortar 1:3 with neat cement slurry between joints and over the base in floors, treads of steps and landings, complete with all respects. MAKE- PAVIT,RESTILE, JONSON (Market Rate) Total Area Parking Providing and laying heavy duty Tactile Tiles (Direction and Stop tiles-300 x 300 mm) 60mm thick and Yellow in colour, using cement and course sand for manufacture of blocks of approved size, shape with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between ioints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. (As Per EOI)	Sqm Sqm Sqm	1.00 1.00 1.00	235.00 9.30 17.00	Area 2.50 2.50		235.00 23.25 42.50 300.75
F F t t c c s s s s 5 t t	Parking Parking Total Qty Providing and laying heavy duty Tactile Tiles (Direction and Stop tiles-300 x 300 mm) 60mm thick and Yellow in colour , using cement and course sand for manufacture of blocks of approved size, shape with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications.	Sqm Sqm	1.00	9.30	2.50		23.25 42.50
F F T T T T T T T T T T T T T T T T T T	Parking Parking Total Qty Providing and laying heavy duty Tactile Tiles (Direction and Stop tiles-300 x 300 mm) 60mm thick and Yellow in colour , using cement and course sand for manufacture of blocks of approved size, shape with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications.	Sqm Sqm	1.00	9.30	2.50		23.25 42.50
F t t c c s s s s c t t	Parking Total Qty Providing and laying heavy duty Tactile Tiles (Direction and Stop tiles-300 x 300 mm) 60mm thick and Yellow in colour , using cement and course sand for manufacture of blocks of approved size, shape with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications.	Sqm					42.50
37 t	Providing and laying heavy duty Tactile Tiles (Direction and Stop tiles-300 x 300 mm) 60mm thick and Yellow in colour, using cement and course sand for manufacture of blocks of approved size, shape with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications.	Sqm					300.75
37 t	tiles-300 x 300 mm) 60mm thick and Yellow in colour, using cement and course sand for manufacture of blocks of approved size, shape with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications.						! !
i	,						
9	School Building Surrounding	Sqm	1.00	100.00	1.50		150.00
1	Near Entry Driveway	Sqm	1.00	9.60	7.50		72.00
	School Bed Building Surrounding	Sqm	1.00	64.83	2.90		188.00
	Near Volleyball Court	Sqm	1.00	44.00	1.50 1.50		66.00 134.00
	Near Library Room Backside Building Bed	Sqm Sqm	1.00	89.33 32.67	1.50		49.00
	Near Badminton Court	Sqm	1.00	6.67	3.30		22.00
	Near Stage side	Sqm	1.00	55.33	3.00		166.00
	Near Entry Side	Sqm	1.00	21.33	1.50		32.00
1	Near Hostel Side	Sqm	1.00	33.33	1.50		50.00
	Total Qty-100%	Sqm					929.00
	Total Qty @ 20%	Sqm			Total		185.80
38 r 38 s	KSRRB M300-Turfing lawns with fine grassing including ploughing, dressing KSRRB M300-5. Turfing lawns with fine grassing including ploughing, dressing including breaking of clods, removal of rubbish, dressing and supplying doobs grass roots at 10 cm apart, including supplying and spreading of farm yard manure at rate of 0.6 cum per 100 sqm complete as per specifications. MORTH Specification No. 307 PWD SOR 18-19,SI No.19.82,Pg No149						
E	Badminton Court	Sqm	1.00	13.00	6.50		84.50
	Near Stage	Sqm	1.00	166.00	Area		166.00
1	Near Badminton Court	Sqm	1.00	148.00	Area		148.00
+		Sqm			Total		398.50
39 g	KSRRB M300- Maintenance of lawns with fine grassing for the first year KSRRB M300-6. Maintenance of lawns with fine grassing for the first year including watering etc complete as per specifications. MORTH Specification No. 307. PWD SOR 18-19,SI No.19.83,Pg No149						
E	Badminton Court	Sqm	1.00	13.00	6.50		84.50
-	Near Stage	Sqm	1.00	166.00	Area		166.00
1	Near Badminton Court	Sqm Sqm	1.00	148.00	Area Total	<u> </u>	148.00 398.50
40 r s	Providing and fixing Vitrified glazed tiles of approved make, quality & colour of size 900 x 900 x 12mm thick fixed on bed of 12mm thick cement mortar for flooring, skirting and JOinted with neat cement slurry mixed with pigment to mach shade of tiles, including providing spacers at required interval and removing stains, including cost of all mateirals, mortar, labour, etc., Complete as per specification. (KPWD 18-19,Sl.No.14.45.1) Total Qty Sl No.37	Sqm	1.00				

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	Total Qty @ 80%	Sqm			Total		743.20
41	KSRB 2.9 : Spreading and forming the excavated earth to required level, slope for an average thickness of 75mm. in all classes of soils including breaking clods and tamping manually alround the building and low laying areas complete as per specifications.specification. No. KBS : (KSRB 18-19,Pg No.7,SI No.2.16)						
	In Entry Side Area	Sqm	1.00	25.83	6.00		155.00
	Near Stage	Sqm	1.00	13.00	6.00		78.00
	Near Badminton	Sqm	1.00	38.57	7.00		270.00
	Total Qty	Sqm			Total		503.00
42	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete. do- of size 450 x 150 x 400 mm (KSRRB 18-19,Pg No.27,SI No.5.29.1)						
	Total Qty for 1 Kerb Stone	Cum	1.00	0.45	0.33	0.4	0.06
	Total Oty	Rmt No	1.00	107.00	Total		107.00 238.00
	Total Qty	INU			IUIAI		230.00
43	1 Surface Preparation: Saw cutting further to construction and contol joints in floor to 10mm wide x 10mm deep as shear key, include surface preparation by mechanical means using Grinding machines with frequency control drive and planetry drive, equipped with a vaccum pipe for dust collection. where operating width should not be more than 400mm, power 5HP 3phase, voltage 220V/415V, Motor speed should be 700 RPM-900 RPM followed by Hand grinding machine for non approachable areas as directed in BS 8203: Code of practice for installation of resilient floor coverings,BS 8204 Parts 1, 3, 6 and 7 and FERFA followed by as required all in complete as per manufacturers and EIC. Work need to be done by flooring specialist only recommended by Flowcrete only.						
	3. Supplying and Installing Versaspeed / Thin top Supreme/ Eucocrete of FLOWCRETE (USA) versatile, single-component, rapid-setting mortar for horizontal, and form and pour repair projects. Requiring only the addition of water and 25% -40% pea aggregates, where the compressive strength should be 58.6Mpa as per ASTM C 109, Flexural strength as per ASTM C 348 should be 6.2Mpa in 1 day, Linear shrinkage as per ASTM C157 should be -0.083%, chloride permeability should be 900 coulombs as per ASTM C 1202 along with along with TUF-STRAND SF "structural fibers" of FLOWCRETE are a patented polypropylene / polyethylene synthetic macro-fiber successfully used to replace steel fibers, welded wire mesh and conventional reinforcing bars in a wide variety of applications. TUF- STRAND SF fibers comply with ASTM C1116, Standard Specification for Fiber Reinforced Concrete and Shotcrete, and are specifically designed to provide equivalent tensile and bending resistance to conventional reinforcement requirements. Concrete reinforced with TUF- STRAND SF will have three-dimensional reinforcing with enhanced flexural toughness, impact and abrasion resistance and will also help mitigate the formation of plastic shrinkage cracking in concrete. Dosage rates will vary depending upon the reinforcing requirements and can range from 1.8 kg/m³ to 12 kg/m³. TUF- STRAND SF synthetic macro-fibers comply with applicable portions of the International Code Council (ICC)						
	Acceptance Criteria AC32 for synthetic fibers, are UL certified for composite metal deck construction and are recognized within ACI 360 and SDI/ANSI-C1.0 as a reinforcing alternate to WWF. Mixing and applying repair Mortar as per the manufacturer's recommendations within the open time of the bonding agents. Finish to level of surrounding concrete surface utilizing techniques recommended and finished with bull floater top of by manufacturer or as per the site Engineer. THICKNESS- 30MM (Market Rate)						
	Vollayball Ground	Sam	1.00	18.00	9.00		160.00
	Volleyball Ground	Sqm	1.00	18.00	9.00		162.00

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	Total Qty	Sqm			Total		162.00
44	CUTTING OFJOINTS Cutting 10mmX10mm joint where the joint a/b should not be more than 1.02, (As per TR34). followed by Providing and filling Decksheild putty/ EUCO700 all in complete as per manufacturer direction or EIC.(Market Rate)	Rmt	2.00	18.00			36.00
	Volleyball Ground	Rmt	5.00	9.00			45.00
	Total Qty	Rmt			Total		81.00
	PARCKING COATING- DECKSHEILD SYSTEM- FLOWCRETE						
45	To supply and apply Green Label certified Decksheild system, low VOC as per ISO11890-2 resulted in Very Low <20g/L, solvent free, flexible polyurethane park deck coating system providing a colourful watertight, hard- wearing surface for intermediate decks of multi-storey, basement and other trafficable suspended floors consisting of 3 component, solvent free, Polyurethane based primer/body coat/binding agent having solid content of approximately 100% which accepts silica aggregate scatter to produce an anti skid surface as well as 2 component, coloured, flexible polurethane coating having 100% solid contents to seal the aggregate layer where UV light staibility is not critical having chemical resistance property to Petrol, Diesel, Antifreeze, Hydraulic Fluids, Chlorides & Battery Acids etc. Technical profile having Fire resistance -BS476-3 Designated EXT.F.AA, Slip Resistance as per TRRL Pendulum Slip Test resulted in Dry>40. Wet>40 (Low Slip Potential), Abrasion Resiatance as per Taber Abrader resulted in 0.1 mg loss per 1000 cycles (1Kg Load using CS17 wheels). For exposed area UV stable 2 component Polyurethane based top coat having abrasion resistance as per Taber Abrader: 0.1g loss per 1000 cycles, 100% UV Light stable & prevents from yellowing effect, followed by as required all in complete as per manufacturers and EIC (Market Rate)	Sqm	1.00	18.00	9.00		162.00
	Total Qty	Sqm			Total		162.00
46	KSRB13-1.1: Providing and fixing to wall, ceiling and floor galvanised I mild steel tube nominal bore with fittings (medium grade weight 1.27 kglmtr) B class including cost of all materials, labour charges, HOM and testing complete as per specifications. Specification No.KBS 13.2.14 I 13.8 do- 40 mm dia (KSRB 18-19,Pg No.92,SI No.13.5)						
	Badminton Ground	Rmt	2.00	1.55			3.10
	Volleyball Ground	Rmt	2.00	1.55			3.11
	Total Qty	Rmt			Total		6.21

Executive Engineer MSCL Mangaluru

GM Technical MSCL Mangaluru

MANGALURU SMART CITY 1.4 Rate Analysis of E-SMART SCHOOL

RATE ANALYSIS - Govt Practicing School

4		val of rubbish by manual means		
1	periphery of the area cleaned complete as periphery of the area cleaned cl	er specifications. MORTH Spec	elfication No. 201	
	1 VVD 10 10,1 age 110 100,01110.10.10)			
	Basic rate		25755	
	Sub Total		25755	
	Add 10% For area weightage		2575.50	
	Total	Rate	28330.50	На
	KSRB 24-9 : Cleaning and washing of stone	masonry wall surface with nitric	acid including o	nst of materia
2	labour, complete as per specifications. Speci	•	dola inolaanig c	oot of materie
_	(Page No 130,SI No : 16.4)			
	Basic rate	T T	5.00	
	Sub Total			
			5.00	
	Add 10% For area weightage		0.50	
	Total	Rate	5.50	Sqm
	Providing and construction laterite size stone			
3	curing etc. complete as per specification.I.S.	•	~	s then
3	3.5N/mm2 for saturated dry samples.For sup	per structure in CM 1:6 (Ceme	nt 45 kgs/M3)	
	(KPWD 18-19,Page No 384,SI No : 42.5.3)			
	Basic rate		3391	
	Sub Total		3391	
	Add 10% For area weightage		339.10	
	Total	Rate	3730.10	Cum
		<u> </u>		
4	and concrete surface including rounding off or removing scaffolding, including cost of mater		oth rendering, : F	Providing and
4	and concrete surface including rounding off of	corners wherever required smoo	oth rendering, : F	Providing and
4	and concrete surface including rounding off or removing scaffolding, including cost of mater	corners wherever required smoo	oth rendering, : F	Providing and
4	and concrete surface including rounding off or removing scaffolding, including cost of mater PWD 18-19,SI No.15.19,Pg No 116	corners wherever required smoo	oth rendering, : F s per specificatio	Providing and ns.
4	and concrete surface including rounding off of removing scaffolding, including cost of mater PWD 18-19,SI No.15.19,Pg No 116 Basic rate	corners wherever required smoo	oth rendering, : F s per specificatio 273	Providing and ns.
4	and concrete surface including rounding off of removing scaffolding, including cost of mater PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total	corners wherever required smoo	oth rendering, : F s per specificatio 273 273	Providing and ns.
4	and concrete surface including rounding off or removing scaffolding, including cost of mater PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total	corners wherever required smoorials, labour, curing complete as	273 273 273 27.30 300.30	Providing and ns. Sqm
4	and concrete surface including rounding off or removing scaffolding, including cost of mater PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1 : Providing and finishing exter	corners wherever required smoorials, labour, curing complete as Rate rnal walls in two coats with wate	273 273 27.30 300.30 erproof cement p	Providing and ns. Sqm aint of approv
	and concrete surface including rounding off or removing scaffolding, including cost of mater PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1 : Providing and finishing exter brand and shade to give an even shade after	Rate rnal walls in two coats with water throughly brooming the surface	273 273 273 27.30 300.30 erproof cement per to remove all descriptions.	Providing and ns. Sqm aint of approvilirt and loose
5	and concrete surface including rounding off or removing scaffolding, including cost of mater PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1 : Providing and finishing exter brand and shade to give an even shade after powdered material, free from mortar drops at	Rate rnal walls in two coats with water throughly brooming the surface	273 273 273 27.30 300.30 erproof cement per to remove all descriptions.	Providing and ns. Sqm aint of approvilirt and loose
	and concrete surface including rounding off or removing scaffolding, including cost of mater PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1: Providing and finishing exter brand and shade to give an even shade after powdered material, free from mortar drops at per specifications.	Rate rnal walls in two coats with water throughly brooming the surface	273 273 273 27.30 300.30 erproof cement per to remove all descriptions.	Providing and ns. Sqm aint of approvilirt and loose
	and concrete surface including rounding off or removing scaffolding, including cost of mater PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1 : Providing and finishing externorm brand and shade to give an even shade after powdered material, free from mortar drops and per specifications do - with Primer	Rate rnal walls in two coats with water throughly brooming the surface	273 273 273 273 300.30 erproof cement per to remove all comaterials, labour	Providing and ns. Sqm aint of approvilirt and loose
	and concrete surface including rounding off of removing scaffolding, including cost of mater PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1 : Providing and finishing exter brand and shade to give an even shade after powdered material, free from mortar drops at per specifications do - with Primer Basic Rate	Rate rnal walls in two coats with water throughly brooming the surface	273 273 273 273 27.30 300.30 erproof cement per to remove all comaterials, labour	Providing and ns. Sqm aint of approvilirt and loose
	and concrete surface including rounding off or removing scaffolding, including cost of mater PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1: Providing and finishing externorm brand and shade to give an even shade afternowdered material, free from mortar drops at per specifications do - with Primer Basic Rate Sub Total	Rate rnal walls in two coats with water throughly brooming the surface	273 273 273 27.30 300.30 erproof cement per to remove all compaterials, labour 102.00 102	Sqm aint of approving and loose or, complete as
	and concrete surface including rounding off or removing scaffolding, including cost of mater PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1: Providing and finishing externorm brand and shade to give an even shade afternowdered material, free from mortar drops at per specifications do - with Primer Basic Rate Sub Total Add 10% For Area weightage	Rate rnal walls in two coats with water throughly brooming the surface and other foreign matter cost of records.	273 273 273 27.30 300.30 erproof cement per to remove all commaterials, labour 102.00 102 10.20	Sqm aint of approving and loose complete as
	and concrete surface including rounding off or removing scaffolding, including cost of mater PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1: Providing and finishing externorm brand and shade to give an even shade afternowdered material, free from mortar drops at per specifications do - with Primer Basic Rate Sub Total	Rate rnal walls in two coats with water throughly brooming the surface	273 273 273 27.30 300.30 erproof cement per to remove all compaterials, labour 102.00 102	Sqm aint of approvlirt and loose complete as
	and concrete surface including rounding off or removing scaffolding, including cost of mater PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1: Providing and finishing externorm brand and shade to give an even shade after powdered material, free from mortar drops and per specifications. - do - with Primer Basic Rate Sub Total Add 10% For Area weightage Total	Rate rnal walls in two coats with water throughly brooming the surface and other foreign matter cost of records.	273 273 273 27.30 300.30 erproof cement per to remove all compaterials, labour 102.00 102 10.20 112.20	Sqm aint of approvious and loose complete as
	and concrete surface including rounding off or removing scaffolding, including cost of mater PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1: Providing and finishing externorm brand and shade to give an even shade after powdered material, free from mortar drops as per specifications. - do - with Primer Basic Rate Sub Total Add 10% For Area weightage Total Providing external walls with texture finish uses	Rate rnal walls in two coats with water throughly brooming the surface and other foreign matter cost of resign approved brand paint, apprint and paint and paint and paint and paint and paint and paint and paint apprint and paint and paint and paint apprint and paint and paint and paint apprint and paint an	273 273 273 273 27.30 300.30 erproof cement per to remove all comaterials, labour 102.00 102 10.20 112.20 olied uniformly in	Sqm Sqm Sqm Sqm Sqm Sqm three coats
5	and concrete surface including rounding off or removing scaffolding, including cost of mater PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1 : Providing and finishing exter brand and shade to give an even shade after powdered material, free from mortar drops at per specifications do - with Primer Basic Rate Sub Total Add 10% For Area weightage Total Providing external walls with texture finish us over one coat of primer including cost of all not remove the coat of primer including cost of all not remove the coat of primer including cost of all not remove the coat of primer including cost of all not remove the coat of primer including cost of all not remove the coat of primer including cost of all not remove the coat of primer including cost of all not remove the coat of primer including cost of all not remove the coat of primer including cost of all not remove the coat of primer including cost of all not remove the coat of primer including cost of all not remove the coat of primer including cost of all not provided the coat of primer including cost of all not provided the coat of primer including cost of all not provided the coat of primer including cost of all not provided the coat of primer including cost of all not provided the coat of primer including cost of all not provided the coat of primer including cost of all not provided the coat of primer including cost of all not provided the coat of primer including cost of all not provided the coat of primer including cost of all not provided the coat of primer including cost of all not provided the coat of primer including cost of all not provided the coat of primer including cost of all not provided the coat of primer including cost of all not provided the coat of primer including cost of all not provided the coat of primer including cost of all not provided the coat of primer including cost of all not provided the coat of the coat of primer including cost of all not provided the coat of the coat	Rate rnal walls in two coats with water throughly brooming the surface and other foreign matter cost of resign approved brand paint, appraterials, machineries, labour,	273 273 273 273 27.30 300.30 erproof cement per to remove all compaterials, labour 102.00 102 10.20 112.20 olied uniformly in transportation,	Sqm aint of approvilint and loose complete as sounding and three coats loading and
	and concrete surface including rounding off or removing scaffolding, including cost of mater PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1: Providing and finishing externorm brand and shade to give an even shade after powdered material, free from mortar drops at per specifications. - do - with Primer Basic Rate Sub Total Add 10% For Area weightage Total Providing external walls with texture finish us over one coat of primer including cost of all nunloading, all lead and lift and all other incides	Rate rnal walls in two coats with water throughly brooming the surface and other foreign matter cost of resign approved brand paint, appraterials, machineries, labour,	273 273 273 273 27.30 300.30 erproof cement per to remove all compaterials, labour 102.00 102 10.20 112.20 olied uniformly in transportation,	Sqm aint of approvilint and loose complete as sounding and three coats loading and
5	and concrete surface including rounding off or removing scaffolding, including cost of mater PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1 : Providing and finishing externorm brand and shade to give an even shade after powdered material, free from mortar drops at per specifications. - do - with Primer Basic Rate Sub Total Add 10% For Area weightage Total Providing external walls with texture finish us over one coat of primer including cost of all nunloading, all lead and lift and all other incide complete as per specifications.	Rate rnal walls in two coats with water throughly brooming the surface and other foreign matter cost of resign approved brand paint, appraterials, machineries, labour,	273 273 273 273 27.30 300.30 erproof cement per to remove all compaterials, labour 102.00 102 10.20 112.20 olied uniformly in transportation,	Sqm aint of approvilint and loose complete as sounding and three coats loading and
5	and concrete surface including rounding off or removing scaffolding, including cost of mater PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1 : Providing and finishing exter brand and shade to give an even shade after powdered material, free from mortar drops at per specifications. - do - with Primer Basic Rate Sub Total Add 10% For Area weightage Total Providing external walls with texture finish us over one coat of primer including cost of all nunloading, all lead and lift and all other incide complete as per specifications. (KPWD 18-19,SI No.15.103)	Rate rnal walls in two coats with water throughly brooming the surface and other foreign matter cost of resign approved brand paint, appraterials, machineries, labour,	273 273 273 273 273 300.30 300.30 erproof cement per to remove all compaterials, labour 102.00 102 10.20 112.20 elied uniformly in transportation, ling and removing	Sqm aint of approviling and loose complete as loading and g stains,
5	and concrete surface including rounding off or removing scaffolding, including cost of mater PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1 : Providing and finishing externorm brand and shade to give an even shade after powdered material, free from mortar drops at per specifications. - do - with Primer Basic Rate Sub Total Add 10% For Area weightage Total Providing external walls with texture finish us over one coat of primer including cost of all nunloading, all lead and lift and all other incide complete as per specifications.	Rate rnal walls in two coats with water throughly brooming the surface and other foreign matter cost of resign approved brand paint, appraterials, machineries, labour,	273 273 273 273 27.30 300.30 erproof cement per to remove all compaterials, labour 102.00 102 10.20 112.20 olied uniformly in transportation,	Sqm Sqm aint of approvious and loose complete as complete as coading and g stains,

	Total	Rate	374.00 Sqm
7	KSRRB MS00-10 Painting new letter and figures of any shother approved colour to give an even shade complete as phyphen and the like not to be measured and paid for MORTH Specification No.801 (KSRRB 18-19,SI No.24.10)		
	Basic Rate		0.70
	Sub Total		0.7
	Add 10% For Area weightage		0.07
	Total	Rate	0.77 Cm
		1	
8	Cleaning RCC sump tanks and RCC overhead tanks with n sludge, mud, dirt, algea etc and cleaning the wall surface or and spraying anti bacterial treatment to the wall and ceiling of sludge etc, using suitable coconut broomstick, squeeser plastic buckets, mugs, dewatering using motor with portal all safety measures. (KPWD 18-19,SI No.10.7)	f tanks using hig g surfaces and rs I wipers I rubb	gh pressure jet, vacuum cleaning UV treatment, including removing per brushes, coir brushes,
	Basic Rate		0.35
	Sub Total		0.35
	Add 10% For Area weightage		0.04
	Total	Rate	0.39 L
		1	
9	foreign matter, including cost of materials, labour, complete PWD 18-19,SI No.15.75,Pg No 123	as per specific	ations.
	<u> </u>		Г
	Basic Rate		61.00
	Basic Rate Sub Total		61
	Basic Rate Sub Total Add 10% For Area weightage	Pata	61 6.10
	Basic Rate Sub Total	Rate	61
10	Basic Rate Sub Total Add 10% For Area weightage Total KSRB 2-2.1 : Earthwork excavation for foundation of buildir conduits either in pits or in trenches 1.5m and above in wide including dressing the bottom and sides of pits and trenche of excavation with lead upto 50 m. after breaking of clods of KBS 2.1(a) / 2.3.5 PWD 18-19,SI No.2.3,Pg No 6	ngs, water suppl th, in ordinary s s, stacking the e	61 6.10 67.10 Sqm y, sanitary lines and electrical oil not exceeding 1.5 m. in depth excavated soil clear from edges specifications. specification. No.
10	Basic Rate Sub Total Add 10% For Area weightage Total KSRB 2-2.1 : Earthwork excavation for foundation of buildir conduits either in pits or in trenches 1.5m and above in wide including dressing the bottom and sides of pits and trenche of excavation with lead upto 50 m. after breaking of clods of KBS 2.1(a) / 2.3.5 PWD 18-19,SI No.2.3,Pg No 6 Basic Rate	ngs, water suppl th, in ordinary s s, stacking the e	61 6.10 67.10 Sqm y, sanitary lines and electrical oil not exceeding 1.5 m. in depth excavated soil clear from edges specifications. specification. No.
10	Basic Rate Sub Total Add 10% For Area weightage Total KSRB 2-2.1 : Earthwork excavation for foundation of buildir conduits either in pits or in trenches 1.5m and above in wide including dressing the bottom and sides of pits and trenche of excavation with lead upto 50 m. after breaking of clods of KBS 2.1(a) / 2.3.5 PWD 18-19,SI No.2.3,Pg No 6 Basic Rate Sub Total	ngs, water suppl th, in ordinary s s, stacking the e	61 6.10 67.10 Sqm y, sanitary lines and electrical oil not exceeding 1.5 m. in depth excavated soil clear from edges specifications. specification. No.
10	Basic Rate Sub Total Add 10% For Area weightage Total KSRB 2-2.1 : Earthwork excavation for foundation of buildir conduits either in pits or in trenches 1.5m and above in wide including dressing the bottom and sides of pits and trenche of excavation with lead upto 50 m. after breaking of clods of KBS 2.1(a) / 2.3.5 PWD 18-19,SI No.2.3,Pg No 6 Basic Rate	ngs, water suppleth, in ordinary sees, stacking the ecomplete as persomplete	61 6.10 67.10 Sqm y, sanitary lines and electrical oil not exceeding 1.5 m. in depth excavated soil clear from edges specifications. specification. No. 299.00 299 29.90
10	Basic Rate Sub Total Add 10% For Area weightage Total KSRB 2-2.1 : Earthwork excavation for foundation of buildir conduits either in pits or in trenches 1.5m and above in wide including dressing the bottom and sides of pits and trenche of excavation with lead upto 50 m. after breaking of clods of KBS 2.1(a) / 2.3.5 PWD 18-19,SI No.2.3,Pg No 6 Basic Rate Sub Total add 10% For Area weightage	ngs, water suppl th, in ordinary s s, stacking the e	61 6.10 67.10 Sqm y, sanitary lines and electrical oil not exceeding 1.5 m. in depth excavated soil clear from edges specifications. specification. No.
10	Basic Rate Sub Total Add 10% For Area weightage Total KSRB 2-2.1 : Earthwork excavation for foundation of buildir conduits either in pits or in trenches 1.5m and above in wide including dressing the bottom and sides of pits and trenche of excavation with lead upto 50 m. after breaking of clods of KBS 2.1(a) / 2.3.5 PWD 18-19,SI No.2.3,Pg No 6 Basic Rate Sub Total add 10% For Area weightage	Rate concrete of Mix tes @ 0.878 cuding 15 ems. thi	61 6.10 67.10 Sqm y, sanitary lines and electrical oil not exceeding 1.5 m. in depth excavated soil clear from edges specifications. specification. No. 299.00 299 29.90 328.90 Cum 1:2:4 with OPC @ 240kgs, with am and fine aggregtes @ ck, well compacted, in
	Basic Rate Sub Total Add 10% For Area weightage Total KSRB 2-2.1 : Earthwork excavation for foundation of buildir conduits either in pits or in trenches 1.5m and above in wide including dressing the bottom and sides of pits and trenche of excavation with lead upto 50 m. after breaking of clods of KBS 2.1(a) / 2.3.5 PWD 18-19,SI No.2.3,Pg No 6 Basic Rate Sub Total Add 10% For Area weightage Total KSRB 4-1.6 ; Providing and laying in position plain cement 20mm and down size graded granite metal coarse aggrega 0.53cum, machine mixed, concrete laid in layers not exceed foundation, plinth and cills, including cost of all materials, la specifications. Specification No. KBS 4.1, 4.2	Rate concrete of Mix tes @ 0.878 cuding 15 ems. thi	61 6.10 67.10 Sqm y, sanitary lines and electrical oil not exceeding 1.5 m. in depth excavated soil clear from edges specifications. specification. No. 299.00 299 29.90 328.90 Cum 1:2:4 with OPC @ 240kgs, with am and fine aggregtes @ ck, well compacted, in
	Basic Rate Sub Total Add 10% For Area weightage Total KSRB 2-2.1 : Earthwork excavation for foundation of buildir conduits either in pits or in trenches 1.5m and above in widincluding dressing the bottom and sides of pits and trenche of excavation with lead upto 50 m. after breaking of clods of KBS 2.1(a) / 2.3.5 PWD 18-19,SI No.2.3,Pg No 6 Basic Rate Sub Total Add 10% For Area weightage Total KSRB 4-1.6 ; Providing and laying in position plain cement 20mm and down size graded granite metal coarse aggrega 0.53cum, machine mixed, concrete laid in layers not exceed foundation, plinth and cills, including cost of all materials, last specifications. Specification No. KBS 4.1, 4.2 PWD 18-19,SI No.4.6,Pg No 13	Rate concrete of Mix tes @ 0.878 cuding 15 ems. thi	61 6.10 67.10 Sqm y, sanitary lines and electrical oil not exceeding 1.5 m. in depth excavated soil clear from edges specifications. specification. No. 299.00 299 29.90 328.90 Cum 1:2:4 with OPC @ 240kgs, with am and fine aggregtes @ ck, well compacted, in ng complete as per
	Basic Rate Sub Total Add 10% For Area weightage Total KSRB 2-2.1 : Earthwork excavation for foundation of buildir conduits either in pits or in trenches 1.5m and above in widincluding dressing the bottom and sides of pits and trenche of excavation with lead upto 50 m. after breaking of clods of KBS 2.1(a) / 2.3.5 PWD 18-19,SI No.2.3,Pg No 6 Basic Rate Sub Total add 10% For Area weightage Total KSRB 4-1.6 ; Providing and laying in position plain cement 20mm and down size graded granite metal coarse aggrega 0.53cum, machine mixed, concrete laid in layers not exceed foundation, plinth and cills, including cost of all materials, last specifications. Specification No. KBS 4.1, 4.2 PWD 18-19,SI No.4.6,Pg No 13 Basic Rate	Rate concrete of Mix tes @ 0.878 cuding 15 ems. thi	61 6.10 67.10 Sqm y, sanitary lines and electrical oil not exceeding 1.5 m. in depth excavated soil clear from edges specifications. specification. No. 299.00 299 29.90 328.90 Cum 1:2:4 with OPC @ 240kgs, with m and fine aggregtes @ ck, well compacted, in ng complete as per

12	KSRB 14.9-2: Providing and laying M-15 cement hardner topping, under layer of 45mm thick M-15 down size and top layer of 15mm thick metallic cemix: 2 granite metal 10mm nominal size) by volumix in the ratio of 4:1 (4 part of cement= 1 part of wt), including finishing, cost of materials, labour, KBS 14.4 PWD 18-19,SI No.14.14	cernent concrete using bement hardner consisting urne, with metalic hardening certailic floor hardening c	roken granite metal of 20i of mix 1:2 (1 cement har ng compound of approved ompound of approved qua pecifications. Specification	mm and dner d quality ality by
	Basic Rate		725.00	
	Sub Total		725	
	add 10% For Area weightage		72.50	
	Total	Rate	797.50 Sqm	
13	Providing and laying in position reinforced cement 340kgs, with 20mm and down size graded granite @ 0.47cum, with super plasticisers @ 3 liters commixed, concrete laid in layers not exceeding 15 crepedestrals, retaining walls, returnwalls, walls (any posts, struts, buttresses, bed blocks, anchor block of machinery, curing, complete but excluding cost PWD 18-19,SI No.4.10,Pg No 14	e metal coarse aggregates forming to IS 9103-1999 r ms thick, vibrated for all we thickness) including attac ks & plinths etc including o	© 0.70 cum and fine aggreafirmed-2008 at machinorks in foundation for footched pilasters, columnspill cost of all materials, labout	e ings, lars,
	Basic Rate		6198.00	
	Sub Total		6198	
	add 10% For Area weightage		619.80	
	Total	Rate	6817.80 Cum	
			•	placing
14	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requiremembers wherever necessary complete as per decost of materials, labour, HOM of machinery complete complete complete in the control of the contr	k including straightening, our uired, tying with binding with binding with binding with stage s	cutting, bending, hooking, ire and anchoring to the a hall not be measured and	djoining I paid)
14	Providing TMT steel reinforcement for R.C.C worl in position, lapping and / or welding wherever requested members wherever necessary complete as per decost of materials, labour, HOM of machinery complete direction of Engineer-in-Charge. FE 500	k including straightening, our uired, tying with binding with binding with binding with stage s	cutting, bending, hooking, ire and anchoring to the a hall not be measured and	djoining I paid)
14	Providing TMT steel reinforcement for R.C.C worl in position, lapping and / or welding wherever requirements wherever necessary complete as per decost of materials, labour, HOM of machinery complete control of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18	k including straightening, our uired, tying with binding with binding with binding with stage s	cutting, bending, hooking, ire and anchoring to the a hall not be measured and as per specifications and	djoining I paid)
14	Providing TMT steel reinforcement for R.C.C worl in position, lapping and / or welding wherever requirements wherever necessary complete as per decost of materials, labour, HOM of machinery complete directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate	k including straightening, our uired, tying with binding with binding with binding with stage s	cutting, bending, hooking, ire and anchoring to the a hall not be measured and as per specifications and	djoining I paid)
14	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requiremembers wherever necessary complete as per decost of materials, labour, HOM of machinery complete direction of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total	k including straightening, our uired, tying with binding with binding with binding with stage s	cutting, bending, hooking, ire and anchoring to the a hall not be measured and as per specifications and 70782.00	djoining I paid)
14	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requested members wherever necessary complete as per decost of materials, labour, HOM of machinery complete direction of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing,centering, shuttering, struction foundations, footings, bases of columns for mass as per specifications PWD 18-19,SI No.4.28,Pg No 16 Basic Rate Sub Total	c including straightening, cuired, tying with binding with binding with esign (laps and wastage splete with all lead lifts and Rate	cutting, bending, hooking, ire and anchoring to the a hall not be measured and as per specifications and 70782.00 70782 7078.20 77860.20 MT emoval of form work for f all materials, labour com 263.00 263	djoining I paid)
	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requirements wherever necessary complete as per decost of materials, labour, HOM of machinery complete direction of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing, centering, shuttering, strut foundations, footings, bases of columns for mass as per specifications PWD 18-19,SI No.4.28,Pg No 16 Basic Rate Sub Total add 10% For Area weightage	Rate utting, propping etc., and r concrete including cost of	cutting, bending, hooking, ire and anchoring to the a hall not be measured and as per specifications and 70782.00 70782 7078.20 77860.20 MT emoval of form work for f all materials, labour com 263.00 263 26.30	djoining I paid)
	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requested members wherever necessary complete as per decost of materials, labour, HOM of machinery complete direction of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing,centering, shuttering, struction foundations, footings, bases of columns for mass as per specifications PWD 18-19,SI No.4.28,Pg No 16 Basic Rate Sub Total	c including straightening, cuired, tying with binding with binding with esign (laps and wastage splete with all lead lifts and Rate	cutting, bending, hooking, ire and anchoring to the a hall not be measured and as per specifications and 70782.00 70782 7078.20 77860.20 MT emoval of form work for f all materials, labour com 263.00 263	djoining I paid)
	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requested members wherever necessary complete as per decost of materials, labour, HOM of machinery completed in the control of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing,centering, shuttering, strute foundations, footings, bases of columns for mass as per specifications PWD 18-19,SI No.4.28,Pg No 16 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing centering, shuttering, strute surface such as walls at any thickness, including a cost of all materials, labour complete as per specifications pwD 18-19,SI No.4.31,Pg No 16	Rate Rate Utting, propping etc., and reconcrete including cost of the state of th	cutting, bending, hooking, ire and anchoring to the a hall not be measured and as per specifications and 70782.00 70782 7078.20 77860.20 MT emoval of form work for all materials, labour come 263.00 263 26.30 289.30 Sqm removal of form work for sees plinth cills and string	djoining I paid)
15	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requested members wherever necessary complete as per decost of materials, labour, HOM of machinery completed in position of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing, centering, shuttering, strute foundations, footings, bases of columns for mass as per specifications PWD 18-19,SI No.4.28,Pg No 16 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing centering, shuttering, strute surface such as walls at any thickness, including cost of all materials, labour complete as per specific PWD 18-19,SI No.4.31,Pg No 16 Basic Rate	Rate Rate Utting, propping etc., and reconcrete including cost of the state of th	cutting, bending, hooking, ire and anchoring to the a hall not be measured and as per specifications and 70782.00 70782 7078.20 77860.20 MT emoval of form work for all materials, labour come 263.00 263 26.30 289.30 Sqm	djoining I paid)
15	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requested members wherever necessary complete as per decost of materials, labour, HOM of machinery completed in the control of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing,centering, shuttering, strute foundations, footings, bases of columns for mass as per specifications PWD 18-19,SI No.4.28,Pg No 16 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing centering, shuttering, strute surface such as walls at any thickness, including a cost of all materials, labour complete as per specifications pwD 18-19,SI No.4.31,Pg No 16	Rate Rate Utting, propping etc., and reconcrete including cost of the state of th	cutting, bending, hooking, ire and anchoring to the a hall not be measured and as per specifications and 70782.00 70782 7078.20 77860.20 MT emoval of form work for all materials, labour come 263.00 263 26.30 289.30 Sqm removal of form work for sees plinth cills and string	djoining I paid)
15	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requested members wherever necessary complete as per decost of materials, labour, HOM of machinery completed in position of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing, centering, shuttering, strute foundations, footings, bases of columns for mass as per specifications PWD 18-19,SI No.4.28,Pg No 16 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing centering, shuttering, strute surface such as walls at any thickness, including cost of all materials, labour complete as per specific PWD 18-19,SI No.4.31,Pg No 16 Basic Rate	Rate Rate Utting, propping etc., and reconcrete including cost of the state of th	cutting, bending, hooking, ire and anchoring to the a shall not be measured and as per specifications and 70782.00 70782 7078.20 77860.20 MT emoval of form work for f all materials, labour come 263.00 263 26.30 289.30 Sqm removal of form work for vises plinth cills and string and 361.00	djoining I paid)

17	structure with slope of 1V:20H towards drawing	a force complete se por drow	ing and Tachnical	lengoificatio				
17	complete as per specifications.	g force complete as per draw	ing and recrinica	Specification				
	PWD 18-19,SI No.28.10,Pg No 229							
	· · · · · · · · · · · · · · · · · · ·	1	147.00					
	Basic Rate Sub Total		147.00					
			147 14.70					
	add 10% For Area weightage Total	Rate	14.70 161.70	Nos				
	Total	Rate	101.70	1405				
	KSRB 2-4 : Refilling available earth around nin	ne lines cables in lavers not e	avceeding 20cms	in denth				
	KSRB 2-4: Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth,							
18	compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications.							
	PWD 18-19,SI No.2.11,Pg No 7	comoduciio.						
	· · · · · · · · · · · · · · · · · · ·		400.00					
	Basic Rate		120.00					
	Sub Total		120					
	add 10% For Area weightage		12.00					
	Total	Rate	132.00	Cum				
				4				
	Providing and fixing unplasticised PVC pipe							
19	making good the floor, including cost of all ma	aterials, labour charges, HO	M and testing cor	nplete as pe				
	specifications.							
	KSRB 18-19,Pg No.77,Sl No.11.56.2							
	do- with 110mm outer dia							
	Basic Rate		606.00					
	Sub Total		606					
			000					
	add 10% For Area weightage		60.60					
	Total Providing & Fixing CI Grating (325 x 325mm) f		60.60 666.60 If the cover an arrange of the cover an arrange of the cover and the cover are arranged on the cover are ar	nd CM 1:3				
20	Total	or road gully cover including	60.60 666.60 If the cover an arrange of the cover an arrange of the cover and the cover are arranged on the cover are ar	nd CM 1:3				
20	Providing & Fixing CI Grating (325 x 325mm) f Plastering 20mm thick to all exposed faces cur excluding cost of concrete etc,completete (As Per EOI)	or road gully cover including	60.60 666.60 fixing the cover and an actuding cost of p	nd CM 1:3				
20	Providing & Fixing CI Grating (325 x 325mm) f Plastering 20mm thick to all exposed faces cur excluding cost of concrete etc,completete (As Per EOI) Basic Rate	or road gully cover including	60.60 666.60 fixing the cover a ncluding cost of p	nd CM 1:3				
20	Providing & Fixing CI Grating (325 x 325mm) f Plastering 20mm thick to all exposed faces cur excluding cost of concrete etc,completete (As Per EOI) Basic Rate Sub Total	or road gully cover including ring for 90 days with all lead i	60.60 666.60 fixing the cover a ncluding cost of p	nd CM 1:3 lastering but				
20	Providing & Fixing CI Grating (325 x 325mm) f Plastering 20mm thick to all exposed faces cur excluding cost of concrete etc,completete (As Per EOI) Basic Rate	or road gully cover including	60.60 666.60 fixing the cover a ncluding cost of p	nd CM 1:3 lastering but				
20	Providing & Fixing CI Grating (325 x 325mm) f Plastering 20mm thick to all exposed faces cur excluding cost of concrete etc,completete (As Per EOI) Basic Rate Sub Total Total	for road gully cover including ring for 90 days with all lead i	60.60 666.60 fixing the cover an ncluding cost of p 893.00 893	nd CM 1:3 lastering but				
20	Providing & Fixing CI Grating (325 x 325mm) f Plastering 20mm thick to all exposed faces cur excluding cost of concrete etc,completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44 : Repairs to plaster in patches of	ring for 90 days with all lead i Rate 2.5 sqm and less in walls, ce	60.60 666.60 fixing the cover and an actual state of particular	nd CM 1:3 lastering but				
	Providing & Fixing CI Grating (325 x 325mm) f Plastering 20mm thick to all exposed faces cur excluding cost of concrete etc,completete (As Per EOI) Basic Rate Sub Total Total	ring for 90 days with all lead i Rate 2.5 sqm and less in walls, cees in proper shape and replas	60.60 666.60 fixing the cover an ncluding cost of p 893.00 893 893.00 illings 10 to 20mm tering the surface	nd CM 1:3 lastering but Each thick in of the wall				
20	Providing & Fixing CI Grating (325 x 325mm) f Plastering 20mm thick to all exposed faces cur excluding cost of concrete etc,completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44: Repairs to plaster in patches of cement mortar 1:4 including cutting the patche	ring for 90 days with all lead i Rate 2.5 sqm and less in walls, cees in proper shape and replas	60.60 666.60 fixing the cover an ncluding cost of p 893.00 893 893.00 illings 10 to 20mm tering the surface	nd CM 1:3 lastering but Each thick in of the wall				
	Providing & Fixing CI Grating (325 x 325mm) f Plastering 20mm thick to all exposed faces cur excluding cost of concrete etc,completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44 : Repairs to plaster in patches of cement mortar 1:4 including cutting the patche including disposal of rubbish with a lead of 50r	ring for 90 days with all lead i Rate 2.5 sqm and less in walls, cees in proper shape and replas	60.60 666.60 fixing the cover an ncluding cost of p 893.00 893 893.00 illings 10 to 20mm tering the surface	nd CM 1:3 lastering but Each thick in of the wall				
	Providing & Fixing CI Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces cure excluding cost of concrete etc, complete to (As Per EOI) Basic Rate Sub Total Total KSRB 24-44: Repairs to plaster in patches of cement mortar 1:4 including cutting the patche including disposal of rubbish with a lead of 50r specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133	ring for 90 days with all lead i Rate 2.5 sqm and less in walls, cees in proper shape and replas	fixing the cover an ncluding cost of p 893.00 893 893.00 illings 10 to 20mm tering the surface terials, labour, cor	nd CM 1:3 lastering but Each thick in of the wall				
	Providing & Fixing CI Grating (325 x 325mm) f Plastering 20mm thick to all exposed faces cur excluding cost of concrete etc,completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44: Repairs to plaster in patches of cement mortar 1:4 including cutting the patche including disposal of rubbish with a lead of 50r specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133 Basic Rate	ring for 90 days with all lead i Rate 2.5 sqm and less in walls, cees in proper shape and replas	fixing the cover an ncluding cost of p 893.00 893 893.00 illings 10 to 20mm tering the surface terials, labour, cor	nd CM 1:3 lastering but Each thick in of the wall				
	Providing & Fixing CI Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces cure excluding cost of concrete etc, completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44: Repairs to plaster in patches of cement mortar 1:4 including cutting the patche including disposal of rubbish with a lead of 50 respecifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133 Basic Rate Sub Total	ring for 90 days with all lead i Rate 2.5 sqm and less in walls, cees in proper shape and replas	60.60 666.60 fixing the cover an ncluding cost of p 893.00 893 893.00 illings 10 to 20mm tering the surface terials, labour, cor	nd CM 1:3 lastering but Each thick in of the wall				
	Providing & Fixing CI Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces cure excluding cost of concrete etc, completete (As Per EOI) Basic Rate Sub Total KSRB 24-44: Repairs to plaster in patches of cement mortar 1:4 including cutting the patche including disposal of rubbish with a lead of 50m specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133 Basic Rate Sub Total Add 10% For Area weightage	ring for 90 days with all lead i Rate 2.5 sqm and less in walls, ce in proper shape and replasm including curing cost of mate	60.60 666.60 fixing the cover an ncluding cost of p 893.00 893 893.00 illings 10 to 20mm tering the surface terials, labour, cor 277 277 27.70	nd CM 1:3 lastering but Each thick in of the wall nplete as pe				
	Providing & Fixing CI Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces cure excluding cost of concrete etc, completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44: Repairs to plaster in patches of cement mortar 1:4 including cutting the patche including disposal of rubbish with a lead of 50 respecifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133 Basic Rate Sub Total	ring for 90 days with all lead i Rate 2.5 sqm and less in walls, cees in proper shape and replas	60.60 666.60 fixing the cover an ncluding cost of p 893.00 893 893.00 illings 10 to 20mm tering the surface terials, labour, cor	nd CM 1:3 lastering but Each thick in of the wall nplete as pe				
	Providing & Fixing CI Grating (325 x 325mm) f Plastering 20mm thick to all exposed faces cur excluding cost of concrete etc,completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44: Repairs to plaster in patches of cement mortar 1:4 including cutting the patche including disposal of rubbish with a lead of 50r specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133 Basic Rate Sub Total Add 10% For Area weightage Total	ring for 90 days with all lead in Rate 2.5 sqm and less in walls, cees in proper shape and replasm including curing cost of mate	60.60 666.60 fixing the cover an noluding cost of post serious	nd CM 1:3 lastering but Each thick in of the wall mplete as pe				
	Providing & Fixing CI Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces cure excluding cost of concrete etc, completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44: Repairs to plaster in patches of cement mortar 1:4 including cutting the patche including disposal of rubbish with a lead of 50 respecifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133 Basic Rate Sub Total Add 10% For Area weightage Total Providing and fixing Special make glazed Vitrifications.	ring for 90 days with all lead in Rate 2.5 sqm and less in walls, celes in proper shape and replase in including curing cost of materials. Rate	60.60 666.60 fixing the cover an ncluding cost of post	Each thick in of the wall mplete as pe				
	Providing & Fixing CI Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces cure excluding cost of concrete etc, completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44: Repairs to plaster in patches of cement mortar 1:4 including cutting the patche including disposal of rubbish with a lead of 50r specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133 Basic Rate Sub Total Add 10% For Area weightage Total Providing and fixing Special make glazed Vitrificolour of size 600x600x10mm thick fixed on experiments.	Rate 2.5 sqm and less in walls, ce in proper shape and replasm including curing cost of mate relationship in the state re	60.60 666.60 fixing the cover ar ncluding cost of p 893.00 893 893.00 illings 10 to 20mm tering the surface terials, labour, cor 277 277 27.70 304.70 approved make, roffe adhesive for	Each thick in of the wall mplete as pe				
21	Providing & Fixing CI Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces cure excluding cost of concrete etc, completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44: Repairs to plaster in patches of cement mortar 1:4 including cutting the patche including disposal of rubbish with a lead of 50r specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133 Basic Rate Sub Total Add 10% For Area weightage Total Providing and fixing Special make glazed Vitrificolour of size 600x600x10mm thick fixed on exskirting etc., complete including providing special special make glazed vitrificolour of size 600x600x10mm thick fixed on exskirting etc., complete including providing special special make glazed vitrificolour of size 600x600x10mm thick fixed on exskirting etc., complete including providing special make glazed vitrificolour of size 600x600x10mm thick fixed on exskirting etc., complete including providing special make glazed vitrificolour of size 600x600x10mm thick fixed on exskirting etc., complete including providing special make glazed vitrificolour of size 600x600x10mm thick fixed on exskirting etc., complete including providing special make glazed vitrificolour of size 600x600x10mm thick fixed on exskirting etc., complete including providing special make glazed vitrificolour of size 600x600x10mm thick fixed on exskirting etc., complete including providing special make glazed vitrificolour of size 600x600x10mm thick fixed on exskirting etc., complete including providing special make glazed vitrificolour of size 600x600x10mm thick fixed on exskirting etc., complete including providing special make glazed vitrificolour etc.	Rate 2.5 sqm and less in walls, ce in proper shape and replasm including curing cost of mate relationship in the state re	60.60 666.60 fixing the cover ar ncluding cost of p 893.00 893 893.00 illings 10 to 20mm tering the surface terials, labour, cor 277 277 27.70 304.70 approved make, roffe adhesive for	Each thick in of the wall mplete as pe				
21	Providing & Fixing CI Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces cure excluding cost of concrete etc, completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44: Repairs to plaster in patches of cement mortar 1:4 including cutting the patche including disposal of rubbish with a lead of 50 respecifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133 Basic Rate Sub Total Add 10% For Area weightage Total Providing and fixing Special make glazed Vitrific colour of size 600x600x10mm thick fixed on exskirting etc., complete including providing spease (P.No. 109, I.No. 14.43 of SR 2018-19).	Rate 2.5 sqm and less in walls, ce in proper shape and replasm including curing cost of mate Rate Rate	60.60 666.60 fixing the cover an ncluding cost of post	Each thick in of the wall mplete as pe				
21	Providing & Fixing CI Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces cure excluding cost of concrete etc, completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44: Repairs to plaster in patches of cement mortar 1:4 including cutting the patche including disposal of rubbish with a lead of 50r specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133 Basic Rate Sub Total Add 10% For Area weightage Total Providing and fixing Special make glazed Vitrificolour of size 600x600x10mm thick fixed on exskirting etc., complete including providing spear (P.No. 109, I.No. 14.43 of SR 2018-19). Basic Rate	Rate 2.5 sqm and less in walls, ce in proper shape and replasm including curing cost of mate Rate Rate	60.60 666.60 fixing the cover an ncluding cost of post	Each thick in of the wall mplete as pe				
21	Providing & Fixing CI Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces cure excluding cost of concrete etc, completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44: Repairs to plaster in patches of cement mortar 1:4 including cutting the patche including disposal of rubbish with a lead of 50 respecifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133 Basic Rate Sub Total Add 10% For Area weightage Total Providing and fixing Special make glazed Vitrific colour of size 600x600x10mm thick fixed on exskirting etc., complete including providing spease (P.No. 109, I.No. 14.43 of SR 2018-19).	Rate 2.5 sqm and less in walls, ce in proper shape and replasm including curing cost of mate Rate Rate	60.60 666.60 fixing the cover an ncluding cost of post	Each thick in of the wall mplete as pe				

23	and design with end trims, transition, profiles, beading	ng, 15mm thick felt, and 2	20 micron polye	ster film with
	4mm thick foam underlay etc., (P.No.113, I.No.14.70 of PWD SR 2018-19)			
	Basic Rate	1	4900 00	
	Sub Total		4800.00	
			4800	
	Add 10% For Area weightage	Data	480.00	C
	Total	Rate	5280.00	Sqm
	KSRB 14.14-5: Providing Ceramic tiles of approved	make shade and size for	r flooring treads	of stens and
	landings laid on a bed of 12mm thick, cement morta		•	•
24	pigment, including cost of materials, labour, curing,			
24	size 30x30cms 6mm thick.	complete as per specific	ations. 101 001	arric riics or
	PWD 18-19,SI No.14.36.2,Pg No.107 and 108			
			4044.00	
	Basic Rate		1211.00	
	Sub Total		1211	
	Add 10% For Area weightage		121.10	
	Total	Rate	1332.10	Sqm
	Providing and laying pattern flooring for staircase tree			
	ruby red granite @ 66%,20 mm thick grey granite @			
25	granite materials are laid on existing bed of CM 1:3	20mm thick pointed with	colour pigment,	including full
	rounding for nosing, flaming the ruby red granite for	50 mm wide curing etc.,	complete as pe	r specification
	(P.No. 109, I.No. 14.46 of PWD SR 2018-19)	•		
	Basic Rate		7195.00	
	Sub Total		7195.00	
	Add 10% For Area weightage		719.50	
	Total	Rate	719.50	Sam
	Total	Nate	7314.30	Sqiii
	Denoising deep and window frames with available w			
26	Repairing door and window frames with available wo	ood to the required size.		
	PWD 18-19,SI No.37.12,Pg No 267			
	Basic Rate		685.00	
	Sub Total		685	
	Add 10% For Area weightage		68.50	
	Total	Rate	753.50	Sqm
~	Repairing and fixing shutters (panelled or glazed) to	doors, windows, ventilate	ors and cupboa	rds.
27	PWD 18-19,SI No.37.13,Pg No.267			
	Basic Material Rate		685.00	
	Sub Total	+	685	
	Add 10% For Area weightage for Labour		68.50	
	Total	Rate	753.50	Sam
	I Otal	Nate	1 33.30	Sqiii
	VODD 45 45 4 . Draviding and such in a selection of		ulaian maint at	
	KSRB 15-15.1 : Providing and applying painting in to	•		•
	on wall surface to give an even approved shade after			
28	drops and other foreign matter including preparing the	ne surrace even and sand	a paper smooth	, cost of
	materials, labour, complete as per specifications.			
	- do- with primer			
	PWD 18-19,SI No.15.51.2,Pg No.119			
	Basic Material Rate		90.00	
_	Sub Total		90	
	Add 10% For Area weightage for Labour		9.00	
		Rate	99.00	Sqm
	Total			-
	lotal			
		reepers.		
29	Supplying and fixing new Mangalore tiles on existing	reepers.		
29	Supplying and fixing new Mangalore tiles on existing PWD 18-19,SI No.37.9,Pg No.267	reepers.	407.00	
29	Supplying and fixing new Mangalore tiles on existing	g reepers.	407.00 407	

	Total Rate	Rate	447.70	Sam							
	I Utal Nate	Kale	447.70	John							
	KCDD 9.4: Droviding and fiving Mangalage tile reafing value	a firet class tils:	with noonanam:	nagial tilas far							
	KSRB 8.4: Providing and fixing Mangalore tile roofing using	•	•	•							
	ridges and hips, wood reepers and pointed with cement mo		•	•							
30	materials, labour, curing complete as per specifications. S	specification No.	KBS 8.17KSRB	8.4-2: do- Nandi							
	wood reepers of size 50x25mm										
	PWD 18-19,SI No.8.11										
	Basic Rate		814.00								
	Sub Total		814								
	Add 10% For Area weightage		81.40								
	Total Rate	Rate	895.40	Sqm							
31	Removing and fixing old Mangalore ridge tiles including po PWD 18-19,SI No.37.10,Pg No.267	inting with C.M.	1:3.								
	Baisc rate		101.00								
	Sub Total										
			101								
	Add 10% For area weightage (Mangalore City)	D. C.	10.10								
	Total Rate	Rate	111.10	Rmt							
				<u> </u>							
	KSRB 15-17.19: Providing and applying painting one coat	. • .	• , .	• •							
	wood surface and / or wood based surface with black japan			•							
32	surface of all dirt, dust and foreign matter, including cost of	f materials, labou	ır, complete as p	er							
	specifications.										
	PWD 18-19,SI No.15.71,Pg No.123										
	Basic Rate		56.00								
	Sub Total		56								
	Add 10% For Area weightage		5.60								
	Total Rate	Rate	61.60	Sqm							
	KSRB 15-17.19:Applying additional one coat (excluding pr	riming coat) on p	reviously painte	d wood surface							
	and / or wood based surface with black japan paint to give	an even shade a	after cleaning the	surface of all							
33	dirt, dust and foreign matter, including cost of materials, lal	bour, complete a	dirt, dust and foreign matter, including cost of materials, labour, complete as per specifications.								
			o poi opodinoune	ms.							
	PWD 18-19,SI No.15.72,Pg No.123	•	o per opcomoduc	0115.							
	PWD 18-19,SI No.15.72,Pg No.123		o per opeemedic	ons.							
		T .									
	Basic Rate	<u> </u>	50.00								
	Basic Rate Sub Total		50.00 50								
	Basic Rate Sub Total Add 10% For Area weightage		50.00 50 5.00								
	Basic Rate Sub Total	Rate	50.00 50								
	Basic Rate Sub Total Add 10% For Area weightage Total Rate	Rate	50.00 50 5.00 55.00	Sqm							
	Basic Rate Sub Total Add 10% For Area weightage Total Rate Waterproofing of RCC Terrace / podium slab / toilet / utilitie	Rate es / water retaini	50.00 50 5.00 55.00 ng structure by p	Sqm reparing the							
	Basic Rate Sub Total Add 10% For Area weightage Total Rate Waterproofing of RCC Terrace / podium slab / toilet / utilities surface by chipping and cleaning and Grouting of Honey co	Rate es / water retaining	50.00 50 5.00 55.00 ng structure by p	Sqm reparing the oints with							
	Basic Rate Sub Total Add 10% For Area weightage Total Rate Waterproofing of RCC Terrace / podium slab / toilet / utilities surface by chipping and cleaning and Grouting of Honey cocement slurry (1kg cement added in 10 ltr of water) added	Rate es / water retaining omb, voids,crack with 100gm of in	50.00 50 5.00 55.00 fig structure by posely construction jorganic accelerates	Sqm reparing the oints with tor, followed by							
	Basic Rate Sub Total Add 10% For Area weightage Total Rate Waterproofing of RCC Terrace / podium slab / toilet / utilitie surface by chipping and cleaning and Grouting of Honey of cement slurry (1kg cement added in 10 ltr of water) added spraying of liquid biological modified alkaline earth silicates	Rate es / water retaining omb, voids,crack with 100gm of in s @ 0.40 ltr per s	50.00 50 5.00 55.00 structure by p s / construction j organic accelera qm on whole sur	sqm reparing the oints with tor, followed by face to reduce							
24	Basic Rate Sub Total Add 10% For Area weightage Total Rate Waterproofing of RCC Terrace / podium slab / toilet / utilities surface by chipping and cleaning and Grouting of Honey of cement slurry (1kg cement added in 10 ltr of water) added spraying of liquid biological modified alkaline earth silicates the micro porosity and allowing it to dry, curing the surface	Rate es / water retaining omb, voids,crack with 100gm of int s @ 0.40 ltr per s for the silicates	50.00 50 5.00 55.00 55.00 ng structure by p s / construction j organic accelera qm on whole sur to penetrate dee	sqm reparing the oints with ttor, followed by face to reduce per into the							
34	Basic Rate Sub Total Add 10% For Area weightage Total Rate Waterproofing of RCC Terrace / podium slab / toilet / utilitie surface by chipping and cleaning and Grouting of Honey of cement slurry (1kg cement added in 10 ltr of water) added spraying of liquid biological modified alkaline earth silicates	Rate es / water retaining omb, voids,crack with 100gm of int s @ 0.40 ltr per s for the silicates	50.00 50 5.00 55.00 55.00 ng structure by p s / construction j organic accelera qm on whole sur to penetrate dee	sqm reparing the oints with ttor, followed by face to reduce per into the							
34	Basic Rate Sub Total Add 10% For Area weightage Total Rate Waterproofing of RCC Terrace / podium slab / toilet / utilities surface by chipping and cleaning and Grouting of Honey or cement slurry (1kg cement added in 10 ltr of water) added spraying of liquid biological modified alkaline earth silicates the micro porosity and allowing it to dry, curing the surface concrete and spraying waterproofing impregnate liquid con 0.50 ltr per sqm and finally applying polymer slurry made or	Rate es / water retaining omb, voids,crack with 100gm of in a @ 0.40 ltr per service for the silicates intaining silane and out of cross linked	50.00 50 5.00 55.00 fig structure by postruction judganic accelerate deep defined to penetrate deep desilanol linear control acrylic / styrenes	reparing the oints with tor, followed by face to reduce per into the opolymer @ e / butadiene &							
34	Basic Rate Sub Total Add 10% For Area weightage Total Rate Waterproofing of RCC Terrace / podium slab / toilet / utilities surface by chipping and cleaning and Grouting of Honey or cement slurry (1kg cement added in 10 ltr of water) added spraying of liquid biological modified alkaline earth silicates the micro porosity and allowing it to dry, curing the surface concrete and spraying waterproofing impregnate liquid con	Rate es / water retaining omb, voids,crack with 100gm of in a @ 0.40 ltr per service for the silicates intaining silane and out of cross linked	50.00 50 5.00 55.00 fig structure by postruction judganic accelerate deep defined to penetrate deep desilanol linear control acrylic / styrenes	reparing the oints with tor, followed by face to reduce per into the opolymer @ e / butadiene &							
34	Basic Rate Sub Total Add 10% For Area weightage Total Rate Waterproofing of RCC Terrace / podium slab / toilet / utilities surface by chipping and cleaning and Grouting of Honey or cement slurry (1kg cement added in 10 ltr of water) added spraying of liquid biological modified alkaline earth silicates the micro porosity and allowing it to dry, curing the surface concrete and spraying waterproofing impregnate liquid con 0.50 ltr per sqm and finally applying polymer slurry made or	Rate es / water retaining omb, voids,crack with 100gm of in a @ 0.40 ltr per service for the silicates intaining silane and out of cross linked	50.00 50 5.00 55.00 fig structure by postruction judganic accelerate deep decided silanol linear collaction of acrylic / styrenes	reparing the oints with tor, followed by face to reduce per into the opolymer @ e / butadiene &							
34	Basic Rate Sub Total Add 10% For Area weightage Total Rate Waterproofing of RCC Terrace / podium slab / toilet / utilitie surface by chipping and cleaning and Grouting of Honey of cement slurry (1kg cement added in 10 ltr of water) added spraying of liquid biological modified alkaline earth silicates the micro porosity and allowing it to dry, curing the surface concrete and spraying waterproofing impregnate liquid con 0.50 ltr per sqm and finally applying polymer slurry made of cement in the ratio of 1:0.1, @0.50kg/sqm on the whole sur	Rate es / water retaining omb, voids,crack with 100gm of in a @ 0.40 ltr per service for the silicates intaining silane and out of cross linked	50.00 50 5.00 55.00 fig structure by postruction judganic accelerate deep decided silanol linear collaction of acrylic / styrenes	reparing the oints with tor, followed by face to reduce per into the opolymer @ e / butadiene &							
34	Basic Rate Sub Total Add 10% For Area weightage Total Rate Waterproofing of RCC Terrace / podium slab / toilet / utilities surface by chipping and cleaning and Grouting of Honey of cement slurry (1kg cement added in 10 ltr of water) added spraying of liquid biological modified alkaline earth silicates the micro porosity and allowing it to dry, curing the surface concrete and spraying waterproofing impregnate liquid con 0.50 ltr per sqm and finally applying polymer slurry made of cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surequipments, all complete as per the specification PWD 18-19,SI No.10.5.1,Pg No 69	Rate es / water retaining omb, voids,crack with 100gm of in a @ 0.40 ltr per service for the silicates intaining silane and out of cross linked	50.00 50 5.00 55.00 55.00 ng structure by postruction jorganic accelerate deep do silanol linear colladarylic / styreneall labour charges	reparing the oints with stor, followed by face to reduce per into the opolymer @ e / butadiene & s tools and							
34	Basic Rate Sub Total Add 10% For Area weightage Total Rate Waterproofing of RCC Terrace / podium slab / toilet / utilities surface by chipping and cleaning and Grouting of Honey concerns slurry (1kg cement added in 10 ltr of water) added spraying of liquid biological modified alkaline earth silicates the micro porosity and allowing it to dry, curing the surface concrete and spraying waterproofing impregnate liquid concerns of 1:0.1, @0.50kg/sqm on the whole sure equipments, all complete as per the specification PWD 18-19,SI No.10.5.1,Pg No 69 Basic Rate	Rate es / water retaining omb, voids,crack with 100gm of in a @ 0.40 ltr per service for the silicates intaining silane and out of cross linked	50.00 50.00 55.00 55.00 55.00 55.00 sylvatory by particular accelerate deependerate	sqm reparing the oints with tor, followed by face to reduce per into the opolymer @ e / butadiene & s tools and							
34	Basic Rate Sub Total Add 10% For Area weightage Total Rate Waterproofing of RCC Terrace / podium slab / toilet / utilities surface by chipping and cleaning and Grouting of Honey or cement slurry (1kg cement added in 10 ltr of water) added spraying of liquid biological modified alkaline earth silicates the micro porosity and allowing it to dry, curing the surface concrete and spraying waterproofing impregnate liquid con 0.50 ltr per sqm and finally applying polymer slurry made of cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surequipments, all complete as per the specification PWD 18-19,SI No.10.5.1,Pg No 69 Basic Rate Sub Total	Rate es / water retaining omb, voids,crack with 100gm of in a @ 0.40 ltr per service for the silicates intaining silane and out of cross linked	50.00 50.00 55.00 55.00 55.00 ng structure by p s / construction j organic accelera qm on whole sur to penetrate deep d silanol linear call acrylic / styrene all labour charges 526.00 526.00	reparing the oints with tor, followed by face to reduce per into the opolymer @ e / butadiene & s tools and							
34	Basic Rate Sub Total Add 10% For Area weightage Total Rate Waterproofing of RCC Terrace / podium slab / toilet / utilities surface by chipping and cleaning and Grouting of Honey concerns slurry (1kg cement added in 10 ltr of water) added spraying of liquid biological modified alkaline earth silicates the micro porosity and allowing it to dry, curing the surface concrete and spraying waterproofing impregnate liquid concerns of 1:0.1, @0.50kg/sqm on the whole sure equipments, all complete as per the specification PWD 18-19,SI No.10.5.1,Pg No 69 Basic Rate	Rate es / water retaining omb, voids,crack with 100gm of in a @ 0.40 ltr per service for the silicates intaining silane and out of cross linked	50.00 50.00 55.00 55.00 55.00 55.00 sylvatory by particular accelerate deependerate	reparing the oints with tor, followed by face to reduce per into the opolymer @ e / butadiene & s tools and							

35	Fabrication supplying and erecting M.S. Tubular Truss of all prefabricated steel applications using quality material and at resisitant. Welding shall confirm to latest structural welding chape, size, design gauge and polish. The entire truss is and anchor bolts at each support, with 10mm thick base plate ar straightening, placing in position of M.S pipes and wleding with red oxide primer coat to all themembers including cost of all machineries for cutting, welding, grinding and erection equiposition (P.No.43, SI.No. 7.29 of PWD SR 2018-19)	re durable, reliable code. Quality sha hored in RCC cond shoe plate. The wherever necessal materials, labo	ble and corrosion all be on various polumn by using 4 he work includes sary, and applying our charges, and lead and lift, tran	and abrasion parametres like Nos. of M.S. cutting, g one coat of hire charges of sportation, etc.,
	Basic Rate		111.00	
	Sub Total		111.00	
	Add 10% For Area weightage		11.10	
	Total Rate	Rate	122.10	Kg
36	Providing and fixing of pre pigmented extruded orange cementeessary specials such as Ridges, Barges and Nails etc. in gutters of min 6" radius and down water pipes of 4" dia as presented from the ROOF or TRUSS. Including cost of materials, scaffoldings, (P.No.51, SI.No. 8.29 of PWD SR 2018-19)	ncluding cast of er the roof desi	providing PVC (ign on EXISTING	6.00kgs/sq cm) MS/WOODEN
	Basic Rate		721.00	
	Sub Total		721.00	
	Add 10% For Area weightage		72.10	
	Total Rate	Rate	793.10	
	Total Nate	Ruto	700.10	lodiii
	Yellow in colour, using cement and course sand for manufaminimum compressive strength of 281 kg per sqm over 50n		• •	•
37	compacting with plate vibrator having 3 tons compaction for come up in between joints, final compaction of paver surfact materials, labour and HOM of machineries complete as per (As Per EOI)	ce thereby forci e joints into its f	ng part of sand u	inderneath to
37	come up in between joints, final compaction of paver surfact materials, labour and HOM of machineries complete as per (As Per EOI) Rate Approved as per EOI by MD MSCL Mangalore, Refer Sr.No.12	ce thereby forci e joints into its f	ng part of sand u inal level, includi	inderneath to ng cost of
37	come up in between joints, final compaction of paver surfact materials, labour and HOM of machineries complete as per (As Per EOI) Rate Approved as per EOI by MD MSCL Mangalore, Refer	ce thereby forci e joints into its f	ng part of sand u inal level, includi	inderneath to ng cost of
37	come up in between joints, final compaction of paver surfact materials, labour and HOM of machineries complete as per (As Per EOI) Rate Approved as per EOI by MD MSCL Mangalore, Refer Sr.No.12	ce thereby forci e joints into its f	ng part of sand u inal level, includi	inderneath to ng cost of
37	come up in between joints, final compaction of paver surfact materials, labour and HOM of machineries complete as per (As Per EOI) Rate Approved as per EOI by MD MSCL Mangalore, Refer Sr.No.12 Sub Total	ce thereby forci e joints into its f specifications. Rate ughing, dressin eaking of clods, upplying and sp	912.00 912.00 912.00 912.00 g KSRRB M300- removal of rubbioreading of farm y	Inderneath to ng cost of Sqm 5. Turfing lawns ish, dressing
	come up in between joints, final compaction of paver surfact materials, labour and HOM of machineries complete as per (As Per EOI) Rate Approved as per EOI by MD MSCL Mangalore,Refer Sr.No.12 Sub Total Total Rate KSRRB M300-Turfing lawns with fine grassing including plo with fine grassing including ploughing, dressing including broand supplying doobs grass roots at 10 cm apart, including some rate of 0.6 cum per 100 sqm complete as per specifications	ce thereby forci e joints into its f specifications. Rate ughing, dressin eaking of clods, upplying and sp	912.00 912.00 912.00 912.00 g KSRRB M300- removal of rubbioreading of farm y	Sqm 5. Turfing lawns ish, dressing yard manure at
	come up in between joints, final compaction of paver surfact materials, labour and HOM of machineries complete as per (As Per EOI) Rate Approved as per EOI by MD MSCL Mangalore, Refer Sr.No.12 Sub Total Total Rate KSRRB M300-Turfing lawns with fine grassing including plo with fine grassing including ploughing, dressing including broand supplying doobs grass roots at 10 cm apart, including some rate of 0.6 cum per 100 sqm complete as per specifications PWD SOR 18-19, SI No.19.82, Pg No149	ce thereby forci e joints into its f specifications. Rate ughing, dressin eaking of clods, upplying and sp	912.00 912.00 912.00 912.00 g KSRRB M300-, removal of rubbioreading of farm yification No. 307	Sqm 5. Turfing lawns ish, dressing yard manure at
	come up in between joints, final compaction of paver surface materials, labour and HOM of machineries complete as per (As Per EOI) Rate Approved as per EOI by MD MSCL Mangalore,Refer Sr.No.12 Sub Total Total Rate KSRRB M300-Turfing lawns with fine grassing including plo with fine grassing including ploughing, dressing including broand supplying doobs grass roots at 10 cm apart, including so rate of 0.6 cum per 100 sqm complete as per specifications PWD SOR 18-19,SI No.19.82,Pg No149 Basic Rate	ce thereby forci e joints into its f specifications. Rate ughing, dressin eaking of clods, upplying and sp	912.00 912.00 912.00 912.00 g KSRRB M300- removal of rubboreading of farm y ification No. 307	Sqm 5. Turfing lawns ish, dressing yard manure at
	come up in between joints, final compaction of paver surface materials, labour and HOM of machineries complete as per (As Per EOI) Rate Approved as per EOI by MD MSCL Mangalore,Refer Sr.No.12 Sub Total Total Rate KSRRB M300-Turfing lawns with fine grassing including plo with fine grassing including ploughing, dressing including broand supplying doobs grass roots at 10 cm apart, including so rate of 0.6 cum per 100 sqm complete as per specifications PWD SOR 18-19,SI No.19.82,Pg No149 Basic Rate Sub Total	ce thereby forci e joints into its f specifications. Rate ughing, dressin eaking of clods, upplying and sp	912.00 912.00 912.00 912.00 g KSRRB M300- removal of rubbioreading of farm y iffication No. 307	Sqm 5. Turfing lawns ish, dressing yard manure at
	come up in between joints, final compaction of paver surface materials, labour and HOM of machineries complete as per (As Per EOI) Rate Approved as per EOI by MD MSCL Mangalore,Refer Sr.No.12 Sub Total Total Rate KSRRB M300-Turfing lawns with fine grassing including plowith fine grassing including ploughing, dressing including broad supplying doobs grass roots at 10 cm apart, including so rate of 0.6 cum per 100 sqm complete as per specifications PWD SOR 18-19,SI No.19.82,Pg No149 Basic Rate Sub Total Add 10% For Area weightage	ce thereby forci e joints into its f specifications. Rate ughing, dressin eaking of clods, upplying and sp . MORTH Spec	912.00 912.00 912.00 912.00 912.00 912.00 912.00 23.00 23.00 2.30	Sqm 5. Turfing lawns ish, dressing yard manure at
	come up in between joints, final compaction of paver surfact materials, labour and HOM of machineries complete as per (As Per EOI) Rate Approved as per EOI by MD MSCL Mangalore, Refer Sr.No.12 Sub Total Total Rate KSRRB M300-Turfing lawns with fine grassing including plowith fine grassing including ploughing, dressing including broad supplying doobs grass roots at 10 cm apart, including strate of 0.6 cum per 100 sqm complete as per specifications PWD SOR 18-19, SI No.19.82, Pg No149 Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRRB M300- Maintenance of lawns with fine grassing for the lawns with fine grassing for the first year including watering Specification No. 307. PWD SOR 18-19, SI No.19.83, Pg No149	Rate Rate White process of the specifications. Rate White process of the specifications of the specification o	912.00 912.00 912.00 912.00 912.00 g KSRRB M300- removal of rubboreading of farm yification No. 307 23.00 23.00 23.00 25.30 SRRB M300-6. Mass per specification	Sqm 5. Turfing lawns ish, dressing yard manure at Sqm Sqm Sqm aintenance of the manure at the m
38	come up in between joints, final compaction of paver surface materials, labour and HOM of machineries complete as per (As Per EOI) Rate Approved as per EOI by MD MSCL Mangalore,Refer Sr.No.12 Sub Total Total Rate KSRRB M300-Turfing lawns with fine grassing including plowith fine grassing including ploughing, dressing including broand supplying doobs grass roots at 10 cm apart, including strate of 0.6 cum per 100 sqm complete as per specifications PWD SOR 18-19,SI No.19.82,Pg No149 Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRRB M300- Maintenance of lawns with fine grassing for the lawns with fine grassing for the first year including watering Specification No. 307.	Rate Rate White process of the specifications. Rate White process of the specifications of the specification o	912.00 912.00 912.00 912.00 912.00 g KSRRB M300-, removal of rubbioreading of farm y diffication No. 307 23.00 23.00 23.00 23.00 25.30	Sqm 5. Turfing lawns ish, dressing yard manure at Sqm Sqm Sqm aintenance of the manure at the m
38	come up in between joints, final compaction of paver surfact materials, labour and HOM of machineries complete as per (As Per EOI) Rate Approved as per EOI by MD MSCL Mangalore, Refer Sr.No.12 Sub Total Total Rate KSRRB M300-Turfing lawns with fine grassing including plowith fine grassing including ploughing, dressing including broad supplying doobs grass roots at 10 cm apart, including strate of 0.6 cum per 100 sqm complete as per specifications PWD SOR 18-19, SI No.19.82, Pg No149 Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRRB M300- Maintenance of lawns with fine grassing for the lawns with fine grassing for the first year including watering Specification No. 307. PWD SOR 18-19, SI No.19.83, Pg No149	Rate Rate White process of the specifications. Rate White process of the specifications of the specification o	912.00 912.00 912.00 912.00 912.00 g KSRRB M300- removal of rubboreading of farm yification No. 307 23.00 23.00 23.00 25.30 SRRB M300-6. Mass per specification	Sqm 5. Turfing lawns ish, dressing yard manure at Sqm aintenance of hs. MORTH
38	come up in between joints, final compaction of paver surfact materials, labour and HOM of machineries complete as per (As Per EOI) Rate Approved as per EOI by MD MSCL Mangalore, Refer Sr.No.12 Sub Total Total Rate KSRRB M300-Turfing lawns with fine grassing including plowith fine grassing including ploughing, dressing including broand supplying doobs grass roots at 10 cm apart, including strate of 0.6 cum per 100 sqm complete as per specifications PWD SOR 18-19, SI No.19.82, Pg No149 Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRRB M300- Maintenance of lawns with fine grassing for the lawns with fine grassing for the first year including watering Specification No. 307. PWD SOR 18-19, SI No.19.83, Pg No149 Basic Rate	Rate Rate White process of the specifications. Rate White process of the specifications of the specification o	912.00 912.00 912.00 912.00 912.00 912.00 912.00 912.00 912.00 912.00 912.00 912.00 912.00 912.00 912.00 912.00 912.00 912.00	Sqm 5. Turfing lawns ish, dressing yard manure at Sqm Sqm Sqm Sqm Annual Sqm Sqm Annual Sqm Annual Sqm Annual Sqm Annual Sqm Annual Sqm Annual Sqm
38	come up in between joints, final compaction of paver surfact materials, labour and HOM of machineries complete as per (As Per EOI) Rate Approved as per EOI by MD MSCL Mangalore, Refer Sr.No.12 Sub Total Total Rate KSRRB M300-Turfing lawns with fine grassing including plowith fine grassing including ploughing, dressing including broad supplying doobs grass roots at 10 cm apart, including strate of 0.6 cum per 100 sqm complete as per specifications PWD SOR 18-19, SI No.19.82, Pg No149 Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRRB M300- Maintenance of lawns with fine grassing for the lawns with fine grassing for the first year including watering Specification No. 307. PWD SOR 18-19, SI No.19.83, Pg No149 Basic Rate Sub Total	Rate Rate White process of the specifications. Rate White process of the specifications of the specification o	912.00 912.00 912.00 912.00 912.00 912.00 912.00 912.00 912.00 912.00 912.00 912.00 912.00 912.00 912.00 912.00 912.00 912.00	Sqm 5. Turfing lawns ish, dressing yard manure at Sqm Sqm Sqm aintenance of hs. MORTH

	Providing and fixing Vitrified glazed tiles of ap	•		
	thick fixed on bed of 12mm thick cement mor			•
40	mixed with pigment to mach shade of tiles, in			na removing
	stains, including cost of all mateirals, mortar, (KPWD 18-19,SI.No.14.45.1)	labour, etc., Complete as per s	specification.	
	Basic Rate		1315.00	
	Sub Total		1315.00	
	Add 10% For Area weightage		131.50	
	Total Rate	Rate	1446.50	
	Total Rate	Nate	1440.30	Sqiii
	KSRB 2.9 : Spreading and forming the excava	ated earth to required level slo	ne for an averag	ne thickness of
	75mm. in all classes of soils including breaking	• • • • • • • • • • • • • • • • • • •	•	
41	_		anound the bun	allig alla low
• •	laying areas complete as per specifications.sp	pecification. No. NBS.		
	(KSRB 18-19,Pg No.7,SI No.2.16)			
	Basic Rate		9.00	
	Sub Total		9.00	
	Add 10% For Area weightage		0.90	
	Total Rate	Rate	9.90	Sqm
		<u>'</u>		
	Providing and fixing Pre cast solid concrete ke	erb stones made out of CC		
	1:2:4 and finished with CM 1:3 plastering and).	
42	do- of size 450 x 150 x 400 mm	3 3 , ,		
	(KSRRB 18-19,Pg No.27,SI No.5.29.1)			
	, , , , , , , , , , , , , , , , , , ,			
	Basic Rate		468.00	
	Sub Total		468.00	
	Add 10% For Area weightage		46.80	
	Total Rate	Rate	514.80	Nos
	Surface Preparation: Saw cutting further to	'		wide x 10mm
	Surface Preparation: Saw cutting further to deep as shear key, include surface preparation.	construction and contol joints	in floor to 10mm	
	deep as shear key, include surface preparation	construction and contol joints on by mechanical means using	in floor to 10mm Grinding machi	nes with
	deep as shear key, include surface preparation frequency control drive and planetry drive, eq	construction and contol joints on by mechanical means using uipped with a vaccum pipe for	in floor to 10mm Grinding machi dust collection. v	nes with where operatin
	deep as shear key, include surface preparation frequency control drive and planetry drive, equividth should not be more than 400mm, power	construction and contol joints on by mechanical means using uipped with a vaccum pipe for r 5HP 3phase, voltage 220V/4°	in floor to 10mm Grinding machindust collection. volume 15V, Motor spee	nes with where operatin d should be 70
43	deep as shear key, include surface preparation frequency control drive and planetry drive, equividth should not be more than 400mm, powe RPM-900 RPM followed by Hand grinding materials.	construction and contol joints on by mechanical means using uipped with a vaccum pipe for a 5HP 3phase, voltage 220V/4 achine for non approachable are	in floor to 10mm Grinding machii dust collection. v 15V, Motor spee eas as directed	nes with where operatin d should be 70 in BS 8203:
43	deep as shear key, include surface preparation frequency control drive and planetry drive, equividth should not be more than 400mm, power RPM-900 RPM followed by Hand grinding matched code of practice for installation of resilient flowers.	construction and contol joints on by mechanical means using uipped with a vaccum pipe for r 5HP 3phase, voltage 220V/4 achine for non approachable are or coverings,BS 8204 Parts 1,	in floor to 10mm Grinding machindust collection. Notor spee eas as directed in 3, 6 and 7 and F	nes with where operatir d should be 70 in BS 8203 : ERFA followe
43	deep as shear key, include surface preparation frequency control drive and planetry drive, equividth should not be more than 400mm, powe RPM-900 RPM followed by Hand grinding matched Code of practice for installation of resilient flow by as required all in complete as per manufactors.	construction and contol joints on by mechanical means using uipped with a vaccum pipe for r 5HP 3phase, voltage 220V/4 achine for non approachable are or coverings,BS 8204 Parts 1,	in floor to 10mm Grinding machindust collection. Notor spee eas as directed in 3, 6 and 7 and F	nes with where operatin d should be 70 in BS 8203 : ERFA followe
43	deep as shear key, include surface preparation frequency control drive and planetry drive, equividth should not be more than 400mm, power RPM-900 RPM followed by Hand grinding matched code of practice for installation of resilient flowers.	construction and contol joints on by mechanical means using uipped with a vaccum pipe for r 5HP 3phase, voltage 220V/4 achine for non approachable are or coverings,BS 8204 Parts 1,	in floor to 10mm Grinding machindust collection. Notor spee eas as directed in 3, 6 and 7 and F	nes with where operatin d should be 70 in BS 8203 : ERFA followe
43	deep as shear key, include surface preparation frequency control drive and planetry drive, equividth should not be more than 400mm, power RPM-900 RPM followed by Hand grinding man Code of practice for installation of resilient flow by as required all in complete as per manufaction only recommended by Flowcrete only.	construction and contol joints on by mechanical means using uipped with a vaccum pipe for a 5HP 3phase, voltage 220V/4 achine for non approachable are or coverings,BS 8204 Parts 1, sturers and EIC. Work need to	in floor to 10mm Grinding machindust collection. Notor spee eas as directed in 3, 6 and 7 and Floor by floor	nes with where operatin d should be 70 in BS 8203 : ERFA followe ring specialist
43	deep as shear key, include surface preparation frequency control drive and planetry drive, equividth should not be more than 400mm, power RPM-900 RPM followed by Hand grinding man Code of practice for installation of resilient flow by as required all in complete as per manufaction only recommended by Flowcrete only. 2.Clean the surface thoroughly, fix the shear and the surface includes the surface thoroughly.	construction and contol joints on by mechanical means using uipped with a vaccum pipe for a 5HP 3phase, voltage 220V/4 achine for non approachable are or coverings,BS 8204 Parts 1, cturers and EIC. Work need to anchor with designed gap of co	in floor to 10mm Grinding machindust collection. Noter speed as directed in 3, 6 and 7 and Ford be done by floor onstruction and construction	nes with where operatin d should be 70 in BS 8203: ERFA followe ring specialist
43	deep as shear key, include surface preparation frequency control drive and planetry drive, equividth should not be more than 400mm, power RPM-900 RPM followed by Hand grinding man Code of practice for installation of resilient flow by as required all in complete as per manufaction only recommended by Flowcrete only. 2. Clean the surface thoroughly, fix the shear and 3. Supplying and Installing Versaspeed / Thin	construction and contol joints on by mechanical means using uipped with a vaccum pipe for a 5HP 3phase, voltage 220V/4 achine for non approachable are or coverings,BS 8204 Parts 1, cturers and EIC. Work need to anchor with designed gap of cotop Supreme/ Eucocrete of FL	in floor to 10mm Grinding maching dust collection. Noted 15V, Motor speed eas as directed in 3, 6 and 7 and Ford be done by floor construction and construction	nes with where operatin d should be 70 in BS 8203: ERFA followe ring specialist control joint. SA) versatile,
43	deep as shear key, include surface preparation frequency control drive and planetry drive, equividth should not be more than 400mm, power RPM-900 RPM followed by Hand grinding man Code of practice for installation of resilient flow by as required all in complete as per manufaction only recommended by Flowcrete only. 2.Clean the surface thoroughly, fix the shear and the surface includes the surface thoroughly.	construction and contol joints on by mechanical means using uipped with a vaccum pipe for a 5HP 3phase, voltage 220V/4 achine for non approachable are or coverings,BS 8204 Parts 1, cturers and EIC. Work need to anchor with designed gap of cotop Supreme/ Eucocrete of FL	in floor to 10mm Grinding maching dust collection. Noted 15V, Motor speed eas as directed in 3, 6 and 7 and Ford be done by floor construction and construction	nes with where operatir d should be 70 in BS 8203: ERFA followe ring specialist control joint. SA) versatile,
43	deep as shear key, include surface preparation frequency control drive and planetry drive, equividth should not be more than 400mm, power RPM-900 RPM followed by Hand grinding man Code of practice for installation of resilient flow by as required all in complete as per manufaction only recommended by Flowcrete only. 2. Clean the surface thoroughly, fix the shear and 3. Supplying and Installing Versaspeed / Thin	construction and contol joints on by mechanical means using uipped with a vaccum pipe for a 5HP 3phase, voltage 220V/4 achine for non approachable are or coverings,BS 8204 Parts 1, acturers and EIC. Work need to anchor with designed gap of contop Supreme/ Eucocrete of FL prizontal, and form and pour rep	in floor to 10mm Grinding maching dust collection. Noter speed as directed in 3, 6 and 7 and Formstruction and construction and construction.	nes with where operatir d should be 7 in BS 8203: ERFA followe ring specialist control joint. SA) versatile, quiring only the
43	deep as shear key, include surface preparation frequency control drive and planetry drive, equividing width should not be more than 400mm, powe RPM-900 RPM followed by Hand grinding man Code of practice for installation of resilient flow by as required all in complete as per manufactionally recommended by Flowcrete only. 2. Clean the surface thoroughly, fix the shear and 3. Supplying and Installing Versaspeed / Thin single-component, rapid-setting mortar for how addition of water and 25% -40% pea aggregation.	construction and contol joints on by mechanical means using uipped with a vaccum pipe for a 5HP 3phase, voltage 220V/4 achine for non approachable are or coverings,BS 8204 Parts 1, acturers and EIC. Work need to anchor with designed gap of contop Supreme/ Eucocrete of FL rizontal, and form and pour reputes, where the compressive str	in floor to 10mm Grinding maching dust collection. Noter speed as directed in 3, 6 and 7 and Ford be done by floor construction and constructi	nes with where operatir d should be 7 in BS 8203: ERFA followering specialist control joint. EA) versatile, quiring only the 58.6Mpa as
43	deep as shear key, include surface preparation frequency control drive and planetry drive, equividth should not be more than 400mm, powe RPM-900 RPM followed by Hand grinding man Code of practice for installation of resilient flow by as required all in complete as per manufaction only recommended by Flowcrete only. 2. Clean the surface thoroughly, fix the shear and 3. Supplying and Installing Versaspeed / Thin single-component, rapid-setting mortar for how addition of water and 25% -40% pea aggregation per ASTM C 109, Flexural strength as per ASTM.	construction and contol joints on by mechanical means using uipped with a vaccum pipe for a 5HP 3phase, voltage 220V/4 achine for non approachable are or coverings,BS 8204 Parts 1, cturers and EIC. Work need to anchor with designed gap of contop Supreme/ Eucocrete of FL rizontal, and form and pour reputes, where the compressive stream C 348 should be 6.2Mpa in	in floor to 10mm Grinding maching dust collection. Note that the seas as directed in the seas as directed in the seas as directed in the seas as directed in the seas as directed in the seas as directed in the seas as directed in the seas as directed in the seas as directed in the seas as directed in the seas as directed in the seas as directed in the seas as directed in the seas as directed in the seas as directed in the seas as directed in the season as d	nes with where operatir d should be 76 in BS 8203: ERFA followering specialist control joint. EA) versatile, quiring only the 58.6Mpa as hrinkage as pe
43	deep as shear key, include surface preparation frequency control drive and planetry drive, equividing width should not be more than 400mm, powe RPM-900 RPM followed by Hand grinding man Code of practice for installation of resilient flow by as required all in complete as per manufaction only recommended by Flowcrete only. 2. Clean the surface thoroughly, fix the shear and 3. Supplying and Installing Versaspeed / Thin single-component, rapid-setting mortar for how addition of water and 25% -40% pea aggregation per ASTM C 109, Flexural strength as per ASTM C 157 should be -0.083%, chloride per significant controls.	construction and contol joints on by mechanical means using uipped with a vaccum pipe for a 5HP 3phase, voltage 220V/4 achine for non approachable are or coverings,BS 8204 Parts 1, acturers and EIC. Work need to anchor with designed gap of contop Supreme/ Eucocrete of FL rizontal, and form and pour reputes, where the compressive stream C 348 should be 6.2Mpa in meability should be 900 coulons.	in floor to 10mm Grinding machin dust collection. Notes as directed in the collection and formstruction and construction and collection. OWCRETE (US) the collection of the collection and	nes with where operatir d should be 70 in BS 8203: ERFA followering specialist control joint. SA) versatile, quiring only the 58.6Mpa as hrinkage as performed to the control good and the control goo
43	deep as shear key, include surface preparation frequency control drive and planetry drive, equividing width should not be more than 400mm, powe RPM-900 RPM followed by Hand grinding man Code of practice for installation of resilient flow by as required all in complete as per manufaction only recommended by Flowcrete only. 2. Clean the surface thoroughly, fix the shear and 3. Supplying and Installing Versaspeed / Thin single-component, rapid-setting mortar for how addition of water and 25% -40% pea aggregation per ASTM C 109, Flexural strength as per ASTM C157 should be -0.083%, chloride per with along with TUF-STRAND SF "structural forms".	construction and contol joints on by mechanical means using uipped with a vaccum pipe for a 5HP 3phase, voltage 220V/4 achine for non approachable are or coverings,BS 8204 Parts 1, acturers and EIC. Work need to anchor with designed gap of contop Supreme/ Eucocrete of FL prizontal, and form and pour reputes, where the compressive structures are a structure of FL of the compressive structure.	in floor to 10mm Grinding maching dust collection. Notes as directed in the collection and formstruction and construction and	nes with where operatir d should be 70 in BS 8203: ERFA followe ring specialist control joint. EA) versatile, quiring only the 58.6Mpa as hrinkage as per opylene /
43	deep as shear key, include surface preparation frequency control drive and planetry drive, equividing width should not be more than 400mm, powe RPM-900 RPM followed by Hand grinding man Code of practice for installation of resilient flow by as required all in complete as per manufactionally recommended by Flowcrete only. 2. Clean the surface thoroughly, fix the shear and 3. Supplying and Installing Versaspeed / Thin single-component, rapid-setting mortar for how addition of water and 25% -40% pea aggregation per ASTM C 109, Flexural strength as per ASTM C157 should be -0.083%, chloride per with along with TUF-STRAND SF "structural fixed polyethylene synthetic macro-fiber successful	construction and contol joints on by mechanical means using uipped with a vaccum pipe for a 5HP 3phase, voltage 220V/4 achine for non approachable are or coverings,BS 8204 Parts 1, acturers and EIC. Work need to anchor with designed gap of contop Supreme/ Eucocrete of FL rizontal, and form and pour reportes, where the compressive structures and EIC structures are the compressive structures. Where the compressive structures are the compressive structures and EIC structures. Where the compressive structures are the compressive structures are a structured to replace steel fibers, and the construction and conton fibers of FLOWCRETE are a structure and the construction and conton fibers of FLOWCRETE are a structure and conton fibers.	in floor to 10mm Grinding maching dust collection. Notes that the following maching dust collection in 15V, Motor speed as as directed in 3, 6 and 7 and Formattruction and construction and cons	nes with where operatir d should be 70 in BS 8203: ERFA followe ring specialist control joint. EA) versatile, quiring only the e 58.6Mpa as hrinkage as pe M C 1202 alon opylene / sh and
43	deep as shear key, include surface preparation frequency control drive and planetry drive, equividth should not be more than 400mm, powe RPM-900 RPM followed by Hand grinding man Code of practice for installation of resilient flow by as required all in complete as per manufaction only recommended by Flowcrete only. 2. Clean the surface thoroughly, fix the shear and 3. Supplying and Installing Versaspeed / Thin single-component, rapid-setting mortar for how addition of water and 25% -40% pea aggregate per ASTM C 109, Flexural strength as per ASTM C157 should be -0.083%, chloride per with along with TUF-STRAND SF "structural fixed polyethylene synthetic macro-fiber successful conventional reinforcing bars in a wide variety	construction and contol joints on by mechanical means using uipped with a vaccum pipe for a 5HP 3phase, voltage 220V/4 achine for non approachable are or coverings,BS 8204 Parts 1, acturers and EIC. Work need to anchor with designed gap of conton to support the compressive structures, where the compressive structures, where the compressive structures, where the compressive structures, where the compressive structures, where the compressive structures, where the compressive structures, where the compressive structures, where the compressive structures, where the compressive structures, where the compressive structures, where the compressive structures, where the compressive structures, where the compressive structures, where the compressive structures, where the compressive structures, where the compressive structures are also structures.	in floor to 10mm Grinding machin dust collection. Notes as directed in a second of the collection and collectio	nes with where operatir d should be 70 in BS 8203: ERFA followe ring specialist control joint. EA) versatile, quiring only the 58.6Mpa as hrinkage as po M C 1202 alon opylene / sh and ply with ASTM
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43	deep as shear key, include surface preparation frequency control drive and planetry drive, equividing width should not be more than 400mm, powe RPM-900 RPM followed by Hand grinding mat Code of practice for installation of resilient flow by as required all in complete as per manufaction only recommended by Flowcrete only. 2. Clean the surface thoroughly, fix the shear at 3. Supplying and Installing Versaspeed / Thin single-component, rapid-setting mortar for howaddition of water and 25% -40% pea aggregation per ASTM C 109, Flexural strength as per ASTM C157 should be -0.083%, chloride per with along with TUF-STRAND SF "structural for polyethylene synthetic macro-fiber successful conventional reinforcing bars in a wide variety C1116, Standard Specification for Fiber Reinforced with TUF-STRAND SF will have the impact and abrasion resistance and will also be concrete. Dosage rates will vary depending up to 12 kg/m³. TUF-STRAND SF synthetic macro-fiber synt	construction and contol joints on by mechanical means using uipped with a vaccum pipe for a 5HP 3phase, voltage 220V/4 achine for non approachable are or coverings,BS 8204 Parts 1, acturers and EIC. Work need to anchor with designed gap of conton top Supreme/ Eucocrete of FL rizontal, and form and pour reputes, where the compressive stream C348 should be 6.2Mpa in meability should be 900 coulon fibers" of FLOWCRETE are a fly used to replace steel fibers, of applications. TUF- STRANI forced Concrete and Shotcrete istance to conventional reinforcing with help mitigate the formation of pon the reinforcing requiremen	in floor to 10mm Grinding maching dust collection. In 15V, Motor speed eas as directed in 3, 6 and 7 and Factorial bedone by floor construction and constructio	nes with where operatir d should be 70 in BS 8203: ERFA followering specialist control joint. SA) versatile, quiring only the 58.6Mpa as hrinkage as poor opylene / sh and ply with ASTM cally designed ents. Concrete ural toughness cracking in e from 1.8 kg/i
43	deep as shear key, include surface preparation frequency control drive and planetry drive, equividing width should not be more than 400mm, powe RPM-900 RPM followed by Hand grinding man Code of practice for installation of resilient flow by as required all in complete as per manufaction only recommended by Flowcrete only. 2. Clean the surface thoroughly, fix the shear and 3. Supplying and Installing Versaspeed / Thin single-component, rapid-setting mortar for how addition of water and 25% -40% pea aggregation per ASTM C 109, Flexural strength as per ASTM C157 should be -0.083%, chloride per with along with TUF-STRAND SF "structural for polyethylene synthetic macro-fiber successful conventional reinforcing bars in a wide variety C1116, Standard Specification for Fiber Reinforced with TUF-STRAND SF will have the impact and abrasion resistance and will also be concrete. Dosage rates will vary depending upon the control of th	construction and contol joints on by mechanical means using uipped with a vaccum pipe for a 5HP 3phase, voltage 220V/4 achine for non approachable are or coverings,BS 8204 Parts 1, acturers and EIC. Work need to anchor with designed gap of conton top Supreme/ Eucocrete of FL rizontal, and form and pour reputes, where the compressive stream C348 should be 6.2Mpa in meability should be 900 coulon fibers" of FLOWCRETE are a fly used to replace steel fibers, of applications. TUF- STRANI forced Concrete and Shotcrete istance to conventional reinforcing with help mitigate the formation of pon the reinforcing requiremen	in floor to 10mm Grinding maching dust collection. In 15V, Motor speed eas as directed in 3, 6 and 7 and Factorial bedone by floor construction and constructio	nes with where operatir d should be 70 in BS 8203: ERFA followe ring specialist control joint. SA) versatile, quiring only the 58.6Mpa as hrinkage as pe M C 1202 alone opylene / sh and ply with ASTM cally designed ents. Concrete ural toughness cracking in e from 1.8 kg/i

	Acceptance Criteria AC32 for synthetic fibers, are UL certific	•		
	are recognized within ACI 360 and SDI/ANSI-C1.0 as a rein	•	_	
	repair Mortar as per the manufacturer's recommendations w			
	to level of surrounding concrete surface utilizing techniques	recommended	and finished with I	bull floater top
	of by manufacturer or as per the site Engineer.			
	THICKNESS- 30MM (Market Rate)			
	Basic Rate		2600.00	
	Sub Total		2600.00	
	Total Rate	Rate	2600.00	Sqm
			- (4	
44	Cutting 10mmX10mm joint where the joint a/b should not be Providing and filling Decksheild putty/ EUCO700 all in comp EIC.(Market Rate)			
	Basic Rate		130.00	
	Sub Total		130.00	
	Total Rate	Rate	130.00 F	Rmt
45	floors consisting of 3 component, solvent free, Polyurethane solid content of approximately 100% which accepts silica agas well as 2 component, coloured, flexible polurethane coating aggregate layer where UV light staibility is not critical having Antifreeze, Hydraulic Fluids, Chlorides & Battery Acids etc. 3 Designated EXT.F.AA, Slip Resistance as per TRRL Pend (Low Slip Potential), Abrasion Resistance as per Taber Abra (1Kg Load using CS17 wheels). For exposed area UV stable having abrasion resistance as per Taber Abrader: 0.1g loss prevents from yellowing effect, followed by as required all in (Market Rate)	gregate scatter ng having 100% chemical resis Fechnical profile dulum Slip Test ader resulted in 2 component per 1000 cycle	to produce an and solid contents to tance property to le having Fire resis resulted in Dry>40 0.1 mg loss per 1 Polyurethane bases, 100% UV Light er manufacturers a	ti skid surface seal the Petrol, Diesel, stance -BS476- 0. Wet>40 000 cycles ed top coat stable &
	Basic Rate		1400.00	
	Sub Total	.	1400.00	
	Total Rate	Rate	1400.00	Sqm
	140001011111111111111111111111111111111			
46	KSRB13-1.1: Providing and fixing to wall, ceiling and floor of fittings (medium grade weight 1.27 kglmtr) B class including testing complete as per specifications. Specification No.KBS 13.2.14 I 13.8 do- 40 mm dia (KSRB 18-19,Pg No.92,SI No.13.5)			
	Basic Rate		447.00	
	Sub Total		447.00	
	Add 10% For Area weightage		44.70	
	Total Rate	Rate	491.70 F	Rmt
	1			

Executive Engineer MSCL Mangaluru

G M Technical MSCL Mangaluru

MANGALURU SMART CITY 1.1 Grand Summary of E-Smart School - Basthigarden

Sr. No.	Description	Cost In INR
1	E-Smart School - Basthigarden	
а	Building & Compound wall works	4,247,550
b	Electrical Works	350,533
С	Plumbing Works	105,903
d	External Development - Softscape & Hardscape	585,999
	Total Cost	5,289,985

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G M Technical MSCL Mangaluru

MANGALURU SMART CITY 1.2 BOQ of E-Smart School - BASTHIGARDEN

Sr .No.	Description	Unit	Quantity	Rate	Amount
Α	Building & Compound wall works				
1	KSRRB M200-7.1. Clearing grass and removal of rubbish by manual means and stacking outside the periphery of the area cleaned complete as per specifications. MORTH Specification No. 201 PWD 18-19,Page No 138,SI No.18.10)	На	0.13	28330.50	3,640
2	KSRB 24-9 : Cleaning and washing of stone masonry wall surface with nitric acid including cost of materials, labour, complete as per specifications. Specification No.KBS 18-19, (Page No 130,SI No : 16.4)	Sqm	792.20	5.50	4,357
3	Providing and construction laterite size stone masonary including cost and conveyance of all materials curing etc. complete as per specification.I.S.3620/1979 having compressive strength not less then 3.5N/mm2 for saturated dry samples.For super structure in CM 1:6 (Cement 45 kgs/M3) (KPWD 18-19,Page No 384,SI No : 42.5.3)	Cum	36.88	3730.10	137,566
4	KSRB 15.3.10 Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry and concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. PWD 18-19,SI No.15.19,Pg No 116	Sqm	316.88	300.30	95,159
5	KSRB 15-16.1: Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - do - with Primer PWD 18-19,SI No.15.53.2,Pg No 120	Sqm	2042.35	112.20	229,152
6	Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, complete as per specifications. (KPWD 18-19,SI No.15.103)	Sqm	273.48	374.00	102,282
7	KSRRB MS00-10 Painting new letter and figures of any shade with synthetic enamel paint black or any other approved colour to give an even shade complete as per specifications. ("ii) English and Roman - Hyphen and the like not to be measured and paid for" MORTH Specification No.801 (KSRRB 18-19,SI No.24.10)	Cm	950.00	0.77	732
8	Cleaning RCC sump tanks and RCC overhead tanks with mechanical dewatering including removal of sludge, mud, dirt, algea etc and cleaning the wall surface of tanks using high pressure jet, vacuum cleaning and spraying anti bacterial treatment to the wall and ceiling surfaces and UV treatment, including removing of sludge etc, using suitable coconut broomstick, squeesers I wipers I rubber brushes, coir brushes, plastic buckets, mugs, dewatering using motor with portal arrangement, hose pipe etc., complete including all safety measures. (KPWD 18-19,SI No.10.7)	L	10000.00	0.39	3,850
9	KSRB 15-18.3: Providing and applying enamel metal paint one coat (excluding priming coat) on previously painted steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. PWD 18-19,SI No.15.75,Pg No 123	Sqm	126.66	67.10	8,499

Sr .No.	Description	Unit	Quantity	Rate	Amount
10	KSRB 2-2.1: Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 PWD 18-19,SI No.2.3,Pg No 6	Cum	241.21	328.90	79,334
11	KSRB 4-1.6; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 ems. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2 PWD 18-19,SI No.4.6,Pg No 13	Cum	18.89	6490.00	122,596
12	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregates @0.47cum, with super plasticisers @ 3 liters conforming to IS 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedestrals, retaining walls, returnwalls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. PWD 18-19,SI No.4.10,Pg No 14	Cum	58.93	6817.80	401,773
13	Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete with all lead lifts and as per specifications and directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18	MT	4.42	77860.20	344,123
14	Providing and removing, centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications PWD 18-19,SI No.4.28,Pg No 16	Sqm	204.79	289.30	59,246
15	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses plinth cills and string courses cost of all materials, labour complete as per specifications. PWD 18-19,SI No.4.31,Pg No 16	Sqm	490.52	397.10	194,785
16	KSRRB M2200 - Providing Weep holes Providing weep holes in Brick masonry / Plain / Reinforced concrete abutment, wing wall / return wall with 100mm dia AC pipe , extending through the full width of the structure with slope of 1V:20H towards drawing force complete as per drawing and Technical specifications complete as per specifications. PWD 18-19,SI No.28.10,Pg No 229	Nos	14.00	161.70	2,264
17	KSRB 2-4: Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications. PWD 18-19,SI No.2.11,Pg No 7	Cum	135.81	132.00	17,927

Sr .No.	Description	Unit	Quantity	Rate	Amount
18	Providing and fixing unplasticised PVC pipes with working pressure 10 kg/sq.cm with pipe fittings, clips, making good the floor, including cost of all materials, labour charges, HOM and testing complete as per specifications. KSRB 18-19,Pg No.77,SI No.11.56.2				
	do- with 110mm outer dia	Rmt	21.00	666.60	13,999
19	Providing & Fixing CI Grating (325 x 325mm) for road gully cover including fixing the cover and CM 1:3 Plastering 20mm thick to all exposed faces curing for 90 days with all lead including cost of plastering but excluding cost of concrete etc,completete (As Per EOI)	Each	7.00	893.00	6,251
20	KSRB 24-44: Repairs to plaster in patches of 2.5 sqm and less in walls, ceilings 10 to 20mm thick in cement mortar 1:4 including cutting the patches in proper shape and replastering the surface of the wall including disposal of rubbish with a lead of 50m including curing cost of materials, labour, complete as per specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133	Sqm	808.93	304.70	246,482
21	Providing and fixing Special make glazed Vitrified tiles (Granomite finish) of approved make, quality and colour of size 600x600x10mm thick fixed on existing flooring with a special roffe adhesive for flooring and skirting etc., complete including providing spears at required interval and removing stains etc., complete. (P.No. 109, I.No. 14.43 of SR 2018-19).	Sqm	337.36	1452.00	489,847
22	Providing and laying of teak wooden polished flooring of 12mm thick, high density timber of approved colour and design with end trims, transition, profiles, beading, 15mm thick felt, and 20 micron polyester film with 4mm thick foam underlay etc., (P.No.113, I.No.14.70 of PWD SR 2018-19)	Sqm	20.00	5280.00	105,600
23	KSRB 14.14-5: Providing Ceramic tiles of approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing, complete as per specifications for Ceramic Tiles of size 30x30cms 6mm thick. PWD 18-19,SI No.14.36.2,Pg No.107 and 108	Sqm	234.67	1332.10	312,604
24	Providing and laying pattern flooring for staircase treads and risers using the combination of 20mm thick ruby red granite @ 66%,20 mm thick grey granite @ 20%, 20mm thick, 20mm thick black granite 14%. The granite materials are laid on existing bed of CM 1:3 20mm thick pointed with colour pigment, including full rounding for nosing, flaming the ruby red granite for 50 mm wide curing etc., complete as per specification. (P.No. 109, I.No. 14.46 of PWD SR 2018-19)	Sqm	53.95	7914.50	426,987
25	Repairing door and window frames with available wood to the required size. PWD 18-19,SI No.37.12,Pg No 267	Sqm	69.30	753.50	52,218
26	Repairing and fixing shutters (panelled or glazed) to doors, windows, ventilators and cupboards. PWD 18-19,SI No.37.13,Pg No.267	Sqm	69.30	753.50	52,218
27	KSRB 15-15.1: Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - do- with primer PWD 18-19,SI No.15.51.2,Pg No.119	Sqm	1518.53	99.00	150,334
28	Supplying and fixing new Mangalore tiles on existing reepers. PWD 18-19,SI No.37.9,Pg No.267	Sqm	343.20	447.70	153,651

Sr .No.	Description	Unit	Quantity	Rate	Amount
29	KSRB 8.4: Providing and fixing Mangalore tile roofing using first class tiles with necessary special tiles for ridges and hips, wood reepers and pointed with cement mortar 1:4 over the existing rafters including cost of materials, labour, curing complete as per specifications. Specification No. KBS 8.17KSRB 8.4-2: do- Nandi wood reepers of size 50x25mm PWD 18-19,SI No.8.11	Sqm	228.80	895.40	204,868
30	Removing and fixing old Mangalore ridge tiles including pointing with C.M. 1:3. PWD 18-19,SI No.37.10,Pg No.267	Rmt	57.36	111.10	6,373
31	KSRB 15-17.19: Providing and applying painting one coat (excluding priming coat) on previously painted wood surface and / or wood based surface with black japan paint to give an even shade after cleaning the surface of all dirt, dust and foreign matter, including cost of materials, labour, complete as per specifications. PWD 18-19,SI No.15.71,Pg No.123	Sqm	677.40	61.60	41,728
32	KSRB 15-17.19:Applying additional one coat (excluding priming coat) on previously painted wood surface and / or wood based surface with black japan paint to give an even shade after cleaning the surface of all dirt, dust and foreign matter, including cost of materials, labour, complete as per specifications. PWD 18-19,SI No.15.72,Pg No.123	Sqm	677.40	55.00	37,257
33	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification PWD 18-19,SI No.10.5.1,Pg No 69	Sqm	241.70	578.60	139,848
В	External Development - Softscape & Hardscape				
34	Providing and fixing Vitrified glazed tiles of approved make, quality & colour of size 900 x 900 x 12mm thick fixed on bed of 12mm thick cement mortar for flooring, skirting and JOinted with neat cement slurry mixed with pigment to mach shade of tiles, including providing spacers at required interval and removing stains, including cost of all mateirals, mortar, labour, etc., Complete as per specification. (KPWD 18-19,SI.No.14.45.1)	Sqm	375.50	1446.50	543,161
35	KSRRB M300- Planting and Maintaining of Flowering Plants and Shrubs KSRRB M300- 8.1. Planting and Maintaining of Flowering Plants and Shrubs - A) Planting flowring plants and shrubs in central verge MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149	Rmt	98.00	50.60	4,959
36	KSRRB M300-Turfing lawns with fine grassing including ploughing, dressing KSRRB M300-5. Turfing lawns with fine grassing including ploughing, dressing including breaking of clods, removal of rubbish, dressing and supplying doobs grass roots at 10 cm apart, including supplying and spreading of farm yard manure at rate of 0.6 cum per 100 sqm complete as per specifications. MORTH Specification No. 307 PWD SOR 18-19,SI No.19.82,Pg No149	Sqm	256.00	25.30	6,477
37	KSRRB M300- Maintenance of lawns with fine grassing for the first year KSRRB M300-6. Maintenance of lawns with fine grassing for the first year including watering etc complete as per specifications. MORTH Specification No. 307. PWD SOR 16-17,SI No.19.83,Pg No151	Sqm	256.00	101.20	25,907

Sr .No.	Description	Unit	Quantity	Rate	Amount
38	KSRB 2.9 : Spreading and forming the excavated earth to required level, slope for an average thickness of 75mm. in all classes of soils including breaking clods and tamping manually alround the building and low laying areas complete as per specifications.specification. No. KBS : (KSRB 18-19,Pg No.7,Sl No.2.16)	Sqm	555.00	9.90	5,495
	GRAND TOTAL				4,833,549

GST @12% on SOR & Non SOR 4,827,298 579276 GST @18% on Market 0

Executive Engineer MSCL Mangaluru

G M Technical MSCL Mangaluru 0

MANGALURU SMART CITY 1.3 Measurement of E-SMART SCHOOL - BASTHIGARDEN

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
1	KSRRB M200-7.1. Clearing grass and removal of rubbish by manual means and stacking outside the periphery of the area cleaned complete as per specifications. MORTH Specification No. 201						
	PWD 18-19,Page No 138,SI No.18.10)						
	Total Area	Sqm	1	1858.00	Area		1858.00
	Ded	Sqm	-1	573.00	Area		-573.00
		Sqm Ha					1285.00 0.129
		па					0.129
	KSRB 24-9 : Cleaning and washing of stone masonry wall surface with						
2	nitric acid including cost of materials, labour, complete as per specifications. Specification No.KBS 18-19, (Page No 130,SI No : 16.4)						
	Compound wall - Front side	Sqm	2	47.00		2.00	188.00
	Right side Left side	Sqm Sqm	2	52.00 50.00		1.80 2.10	187.20 210.00
	Back side	Sqm	2	47.00		2.10	197.40
	Pillar	Sqm	2	2.40		2.00	9.60
		Sqm			Total		792.20
3	Providing and construction laterite size stone masonary including cost and conveyance of all materials curing etc. complete as per specification.I.S.3620/1979 having compressive strength not less then 3.5N/mm2 for saturated dry samples.For super structure in CM 1:6 (Cement 45 kgs/M3) (KPWD 18-19,Page No 384,SI No : 42.5.3)						
	Compound wall - Front side	Cum	1	18.80	0.23	2.00	8.65
	Right side	Cum	1	20.80	0.23	1.80	8.61
	Left side Back side	Cum Cum	1	20.00 18.80	0.23 0.23	2.10 2.10	9.66 9.08
	Pillar	Cum	2	0.96	0.23	2.00	0.88
					00		
	Total Quantity	Cum			Total		36.88
4	KSRB 15.3.10 Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry and concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. PWD 18-19,SI No.15.19,Pg No 116						
	Compound wall - Front side	Sqm	2	18.80		2.00	75.20
	Right side	Sqm	2	20.80		1.80	74.88
	Left side	Sqm	2	20.00		2.10	84.00
	Back side	Sqm	2	18.80		2.10	78.96
	Pillar	Sqm	2	0.96		2.00	3.84
	Total Quantity	Sqm	_	0.00	Total	2.00	316.88
		-					
5	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications.						
	- do - with Primer PWD 18-19,SI No.15.53.2,Pg No 120						
		Sqm	2	47.00		2.00	188.00
	PWD 18-19,SI No.15.53.2,Pg No 120 Compound wall - Front side Right side	Sqm Sqm	2 2	52.00		2.00 1.80	188.00 187.20
	PWD 18-19,SI No.15.53.2,Pg No 120 Compound wall - Front side Right side Left side	Sqm Sqm	2 2	52.00 50.00		1.80 2.10	187.20 210.00
	PWD 18-19,SI No.15.53.2,Pg No 120 Compound wall - Front side Right side Left side Back side	Sqm Sqm Sqm	2 2 2	52.00 50.00 47.00		1.80 2.10 2.10	187.20 210.00 197.40
	PWD 18-19,SI No.15.53.2,Pg No 120 Compound wall - Front side Right side Left side Back side Pillar	Sqm Sqm	2 2	52.00 50.00		1.80 2.10	187.20 210.00
	PWD 18-19,SI No.15.53.2,Pg No 120 Compound wall - Front side Right side Left side Back side	Sqm Sqm Sqm Sqm	2 2 2	52.00 50.00 47.00		1.80 2.10 2.10	187.20 210.00 197.40
	PWD 18-19,SI No.15.53.2,Pg No 120 Compound wall - Front side Right side Left side Back side Pillar Block 1	Sqm Sqm Sqm	2 2 2 2	52.00 50.00 47.00 2.40		1.80 2.10 2.10 2.00	187.20 210.00 197.40 9.60
	PWD 18-19,SI No.15.53.2,Pg No 120 Compound wall - Front side Right side Left side Back side Pillar Block 1 Outside Building Deduction Door-D	Sqm Sqm Sqm Sqm	2 2 2 2 2 1	52.00 50.00 47.00 2.40 88.00		1.80 2.10 2.10 2.00 5.63	187.20 210.00 197.40 9.60 495.00
	PWD 18-19,SI No.15.53.2,Pg No 120 Compound wall - Front side Right side Left side Back side Pillar Block 1 Outside Building Deduction Door-D Window-W	Sqm Sqm Sqm Sqm Sqm	2 2 2 2 2 1 -7 -21	52.00 50.00 47.00 2.40 88.00 1.00 0.88		1.80 2.10 2.10 2.00 5.63 2.10 1.50	187.20 210.00 197.40 9.60 495.00 -14.70
	PWD 18-19,SI No.15.53.2,Pg No 120 Compound wall - Front side Right side Left side Back side Pillar Block 1 Outside Building Deduction Door-D Window-W Ventilator-V	Sqm Sqm Sqm Sqm	2 2 2 2 2 1	52.00 50.00 47.00 2.40 88.00		1.80 2.10 2.10 2.00 5.63	187.20 210.00 197.40 9.60 495.00
	PWD 18-19,SI No.15.53.2,Pg No 120 Compound wall - Front side Right side Left side Back side Pillar Block 1 Outside Building Deduction Door-D Window-W	Sqm Sqm Sqm Sqm Sqm Sqm	2 2 2 2 2 1 -7 -21 -1	52.00 50.00 47.00 2.40 88.00 1.00 0.88 0.30		1.80 2.10 2.10 2.00 5.63 2.10 1.50 0.45	187.20 210.00 197.40 9.60 495.00 -14.70 -27.72 -0.14
	PWD 18-19,SI No.15.53.2,Pg No 120 Compound wall - Front side Right side Left side Back side Pillar Block 1 Outside Building Deduction Door-D Window-W Ventilator-V Ramp	Sqm Sqm Sqm Sqm Sqm Sqm Sqm	2 2 2 2 2 1 -7 -21 -1	52.00 50.00 47.00 2.40 88.00 1.00 0.88 0.30	0.75	1.80 2.10 2.10 2.00 5.63 2.10 1.50	187.20 210.00 197.40 9.60 495.00 -14.70 -27.72 -0.14
	PWD 18-19,SI No.15.53.2,Pg No 120 Compound wall - Front side Right side Left side Back side Pillar Block 1 Outside Building Deduction Door-D Window-W Ventilator-V	Sqm Sqm Sqm Sqm Sqm Sqm	2 2 2 2 2 1 -7 -21 -1	52.00 50.00 47.00 2.40 88.00 1.00 0.88 0.30	0.75	1.80 2.10 2.10 2.00 5.63 2.10 1.50 0.45	187.20 210.00 197.40 9.60 495.00 -14.70 -27.72 -0.14
	PWD 18-19,SI No.15.53.2,Pg No 120 Compound wall - Front side Right side Left side Back side Pillar Block 1 Outside Building Deduction Door-D Window-W Ventilator-V Ramp Chejja	Sqm Sqm Sqm Sqm Sqm Sqm Sqm	2 2 2 2 2 1 -7 -21 -1	52.00 50.00 47.00 2.40 88.00 1.00 0.88 0.30	0.75	1.80 2.10 2.10 2.00 5.63 2.10 1.50 0.45	187.20 210.00 197.40 9.60 495.00 -14.70 -27.72 -0.14

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	Window-W	Sqm	-3	0.90		1.50	-4.05
	Window-W1	Sqm	-10	1.05		1.53	-16.07
	RCC Column	Sqm	12	1.24		2.31	34.37
	Chejja	Sqm	2	1.20	0.72		1.73
		Sqm	14	1.35	0.72		13.61
	Ramp	Sqm	1	2.40		0.25	0.60
	Block 3 Stage						
	Outside Building	Sqm	1	48.28		6.60	318.65
	Ded						
	Door-D	Sqm	-2	1.10		2.00	-4.40
	Window-W	Sqm	-8	0.88		1.50	-10.56
	Window-W1	Sqm	-2	1.50		1.20	-3.60
	Opening -Rolling Shutter	Sqm	-1	3.25		4.60	-14.95
		Sqm	-1	2.70		4.60	-12.42
	Parapet wall	Sqm	2	48.28		0.88	84.49
	Projection	Sqm	2	18.00		0.45	16.20
	Circular Column	Sqm	2	1.70		4.60	15.64
	Block 4 Toilet	- 1					13.04
	Outside Building	Sqm	1	16.50		3.00	40.50
	Ded	Oqiii	'	10.00		0.00	49.50
	Door-D	Cam	2	0.77		1.07	
		Sqm	-2	0.77		1.97	-3.03
	Door-D1	Sqm	-1	1.23		2.10	-2.58
	Door-V	Sqm	-2	0.44		0.27	-0.24
	Ramp	Sqm	2	1.50		0.25	0.75
	Parapet wall	Sqm	2	16.50		0.70	23.10
		Sqm			Total		2042.35
	Providing external walls with texture finish using approved brand paint,						
6	applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, complete as per specifications. (KPWD 18-19,SI No.15.103)						
	Compound wall - Front side	Sqm	1	47.00		2.00	94.00
	Block 1	Sqm	1	88.00		1.20	105.60
	Block 2	Sqm	1	50.00		1.20	60.00
	Block 3 Stage Front side	Sqm	1	11.57		1.20	13.88
		Sqm			Total		273.48
7	KSRRB MS00-10 Painting new letter and figures of any shade with synthetic enamel paint black or any other approved colour to give an even shade complete as per specifications. ("ii) English and Roman - Hyphen and the like not to be measured and paid for" MORTH Specification No.801 (KSRRB 18-19,SI No.24.10)						
	Total Qty-Name Plate, Signages & School Entrance signages on wall	0	40	50.00			050.00
		Cm	19	50.00			950.00
		Cm			Total		950.00
8	Cleaning RCC sump tanks and RCC overhead tanks with mechanical dewatering including removal of sludge, mud, dirt, algea etc and cleaning the wall surface of tanks using high pressure jet, vacuum cleaning and spraying anti bacterial treatment to the wall and ceiling surfaces and UV treatment, including removing of sludge etc, using suitable coconut broomstick, squeesers I wipers I rubber brushes, coir brushes, plastic buckets, mugs, dewatering using motor with portal arrangement, hose pipe etc., complete including all safety measures. (KPWD 18-19,SI No.10.7)						
	Total Qty	L	10000				10000.00
	,	Ē			Total		10000.00
9	KSRB 15-18.3 : Providing and applying enamel metal paint one coat (excluding priming coat) on previously painted steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. PWD 18-19,SI No.15.75,Pg No 123						
	Entrance Gate	Sqm	1	2.50		2.00	5.00
				5.95		4.60	109.48
	Rolling Shutter	Sqm	4			4.60	
	Ramp Hand Railing	Sqm	4	2.40		1.00	9.60
					Total		

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
10	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5						
	PWD 18-19,SI No.2.3,Pg No 6						
	Block 1	Cum	1	88.00	0.30	0.45	11.88
	Block 2	Cum	1	50.00 48.28	0.30	0.45	6.75
	Block 3 Stage Block 4 Toilet	Cum Cum	1	16.50	0.30	0.45 0.45	6.52 2.23
	RCC Covered Drain					0.10	
	SWD - 0.45m Clear Width SWD - 0.60m Clear Width	Cum Cum	1	75.12 103.75	0.95	1.10	78.50 121.54
	SWD Chamber	Cum	7	0.70	1.10 0.70	1.07 0.50	1.72
	UPVC Pipe	Cum	1	21.00	0.75	0.77	12.07
		Cum			Total		241.21
11	KSRB 4-1.6; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 ems. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2 PWD 18-19,SI No.4.6,Pg No 13						
	RCC Covered Drain						
	PCC for Raft						
	SWD - 0.45m Clear Width SWD - 0.60m Clear Width	Cum Cum	1	75.12 103.75	0.95 1.10	0.10 0.10	7.14 11.41
	SWD Chamber	Cum	7	0.70	0.70	0.10	0.34
					Total		18.89
12	granite metal coarse aggregates @0.70 cum and fine aggregates @ 0.47cum, with super plasticisers @ 3 liters conforming to IS 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedestrals, retaining walls, returnwalls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. PWD 18-19,SI No.4.10,Pg No 14						
	RCC Covered Drain						
	Raft						
	SWD - 0.45m Clear Width SWD - 0.60m Clear Width	Cum Cum	1	75.12 103.75	0.65 0.80	0.15	7.32 12.45
	SWD Chamber	Cum	7	0.50	0.50	0.15 0.10	0.18
	Side wall						
	SWD - 0.45m Clear Width SWD - 0.60m Clear Width	Cum	2	75.12 103.75	0.10	0.7	10.52
	SWD Chamber	Cum Cum	7	1.20	0.10 0.10	0.665 0.30	13.80 0.25
	Covered Slab					0.00	
	SWD - 0.45m Clear Width	Cum	1	75.12	0.45	0.15	5.07
	SWD - 0.60m Clear Width	Cum Cum	1	103.75	0.60	0.15	9.34 58.93
13	Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete with all lead lifts and as per specifications and directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18				Kg/Cum		
	RCC Covered Drain						
	Raft Side wall	Kg	1	19.95	75 75	1	1496.25
	Side wall Covered Slab	Kg Kg	1	24.57 14.41	75 75		1842.75 1080.75
		Kg	<u> </u>				4419.75

Providing and memoring-contenting, shutching, stockers, property decided and control of the work of the instantials, stocker complete as per specifications. PVD 54-93 (No. 4.28) Pb 16-84 RPC Covered Drain RPC Covered Drain RPC Covered Drain RPC Covered Drain RPC Covered Drain RPC Covered Drain RPC Covered Drain RPC Covered Drain RPC Covered Drain RPC Covered Drain SWD - 0.05m Clear Width Sign 2 75.12 0.15 SWD - 0.05m Clear Width Sign 3 7 75.12 0.45 SWD - 0.05m Clear Width Sign 4 75.12 0.45 SWD - 0.05m Clear Width SWD - 0.05m Clear Width SWD - 0.05m Clear Width SWD - 0.05m Clear Width SWD - 0.05m Clear Width SWD - 0.05m Clear Width SWD - 0.05m Clear Width SWD - 0.05m Clear Width SWD - 0.05m Clear Width SWD - 0.05m Clear Width SWD - 0.05m Clear Width SWD - 0.05m Clear Width SwD - 0.	Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
11 miss concrete Including cost of all materials, labout complete as part apportunities and 2,55 pt 50 15 Pk 50 pt								
specifications PMD 18-103 No. 42.8 Pg No. 16 RRC Covered Drain SWO - 3.66m Cear Width SWO -	14							
RCC Covered Drain Ratt adds SWD - 0.45m Clear Weeth SWD - 0.45m Clear Weeth SWD - 0.45m Clear Weeth SWD - 0.45m Clear Weeth SWD - 0.45m Clear Weeth Sign 2 103375 0.15 SWD - 0.45m Clear Weeth SWD - 0		specifications						
Ref ace SWD - 0.66m Clear Width SWD - 0.00m Clear Width RCC Covered Drain Will asset of the own of the								
SWD - 0.45m Clear Width								
SWD - 0.60m Clear West			Sqm	2	75.12		0.15	22.54
RCC Covered Drain SND - 0.45m Clear Wichn SND - 0.45m Clear Wichn SND - 0.45m Clear Wichn SND - 0.5m Clear Wichn SND - 0.5m Clear Wichn SND - 0.5m Clear Wichn SND - 0.5m Clear Wichn SND - 0.5m Clear Wichn SND - 0.5m Clear Wichn SND - 0.5m Clear Wichn SND - 0.5m Clear Wichn SND - 0.5m Clear Wichn SND - 0.5m Clear Wichn SND - 0.5m Clear Wichn SND - 0.5m Clear Wichn SND - 0.5m Clear Wichn Providing and removing centering, shuttering, strotting, propring etc. and removal of form work for vertical surface such as waits at any thickness, including stracted plateans, buttersing strotting, propring etc. and removal of form work for vertical surface such as waits at any thickness, including stracted plateans, buttersing platin fills and string coverses cost off infrantistics, butter complete as per specifications. PVID 18-10,5 Nb.4.3.1.pg Nb 16 RCC Covered Drain SND - 0.5m Clear Wichn SND			Sqm				0.15	31.13
Slab Bottom SWD - 0.64m Clear Wieth SWD - 0.64m Clear Wieth Six bia bale SWD - 0.65m Clear Wieth Six bia bale SWD - 0.65m Clear Wieth Six bia bale SWD - 0.65m Clear Wieth Six bia bale SWD - 0.44m Clear Wieth Six bia bale SWD - 0.44m Clear Wieth Six bia bale SWD - 0.45m Clear Wieth Six bia bale SWD - 0.45m Clear Wieth Six bia bale SWD - 0.45m Clear Wieth Six bia bale SWD - 0.45m Clear Wieth Six bia bale And removal of form work for vortical surfaces such as walls at any thickness, including stander plasters, butteress plinth cities and string courses cost of all materials, lactour complete as per specifications. PVO 15-153 No.4.3.1 pt to 10 RCC Covered Drain Will state Will state SWD - 0.45m Clear Wieth Six bia bale SWD - 0.45m Clear Wieth Six bia bale SWD - 0.45m Clear Wieth Six bia bale SWD - 0.45m Clear Wieth Six bia bale SWD - 0.45m Clear Wieth Six bia bale SWD - 0.45m Clear Wieth Six bia bale Six bia bale SWD - 0.45m Clear Wieth Six bia bale Six bi			Sqm	7	2.00		0.10	1.40
SWD - 0.46m Clear Vicih SWD - 0.60m Clear Vicih SWD - 0.60m Clear Vicih SWD - 0.60m Clear Vicih SWD - 0.60m Clear Vicih SWD - 0.60m Clear Vicih SWD - 0.60m Clear Vicih SWD - 0.60m Clear Vicih SWD - 0.60m Clear Vicih SWD - 0.60m Clear Vicih SWD - 0.60m Clear Vicih SWD - 0.60m Clear Vicih SWD - 0.60m Clear Vicih SwD - 0.60m Clear Vicih SwD - 0.60m Clear Vicih SwD - 0.60m Clear Vicih SwD - 0.60m Clear Vicih SwD - 0.60m Clear Vicih SwD - 0.60m Clear Vicih SwD - 0.60m Clear Vicih SWD -								
SWD - 0.68m Clear Vicinh Sibb side SWD - 0.48m Clear Vicinh SWD - 0.48m Clear Vicinh SWD - 0.48m Clear Vicinh SWD - 0.48m Clear Vicinh SWD - 0.48m Clear Vicinh SWD - 0.48m Clear Vicinh SWD - 0.48m Clear Vicinh SWD - 0.48m Clear Vicinh SWD - 0.48m Clear Vicinh SWD - 0.48m Clear Vicinh SWD - 0.48m Clear Vicinh Providing and removing centering, shuttering, shutting, propering sto- and removal of from Nock for vicinical surface such as valid at any increase, including statered plastates, butterious print of last any increase, including statered plastates, butterious print of last and string courses cost of all materials, labour complete as per specifications. PVO 151-18,8 No. 43.1 Pg No 16 RCC Covered Drain Wall Sobe SWD - 0.68m Clear Vicinh SWD - 0.68m Clear Vici			Sam	1	75.12	0.45		33.80
SWD - 0.49m Clear Writith SWD - 0.60m Clear Writith SWD - 0.60m Clear Writith Sym 2 103.75 0.15 Sym 2 103.75 0.15 Providing and removal of form work for vertical surface such as walls at any thickness, including attached piliseters, buttersess pirms fells and string cursos could sell metalise, blazer competes as per specifications. RCC Covered Drain Wall side SWD - 0.45m Clear Writith Sym 0			•	1				62.25
SWD - 0.06m Clear Writith Sqm 2 103.75 0.15 Sqm 3 2 103.75 0.15 Sqm 4 75.12 0.15 Sqm 15 0.15 Sqm 2 2 103.75 0.15 Sqm 2 2 103.75 0.15 Sqm 3 2 103.75 0.15 Sqm 3 2 103.75 0.15 Sqm 4 75.12 0.15 Sqm 4 75.12 0.07 Sqm 4 75.12 0.07 Sqm 4 103.75 0.066 Sqm 15 105.18 No. 43.19, No. 10 1.05 Sqm 4 75.12 0.07 Sqm 4 103.75 0.066 Sqm 7 2.00 0.30 Sqm 7 2.00 0.30 Sqm 7 2.00 0.30 Sqm 7 2.00 0.30 Sqm 7 2.00 0.30 Sqm 7 2.00 0.30 Sqm 8 103.75 0.066 Sqm 7 2.00 0.30 Sqm 8 103.75 0.066 Sqm 7 2.00 0.30 Sqm 8 103.75 0.066 Sqm 7 2.00 0.30 Sqm 8 103.75 0.066 Sqm 7 2.00 0.30 Sqm 8 103.75 0.066 Sqm 9 103.75 0.066 Sqm 7 2.00 0.30 Sqm 8 103.75 0.066 Sqm 7 2.00 0.30 Sqm 8 103.75 0.066 Sqm 7 2.00 0.30 Sqm 8 103.75 0.066 Sqm 7 2.00 0.30 Sqm 8 103.75 0.066 Sqm 7 2.00 0.30 Sqm 8 103.75 0.066 Sqm 7 2.00 0.30 Sqm 8 103.75 0.066 Sqm 7 2.00 0.30 Sqm 8 103.75 0.066 Sqm 7 2.00 0.30 Sqm 8 103.75 0.066 Sqm 7 2.00 0.30 Sqm 8 103.75 0.066 Sqm 7 2.00 0.30 Sqm 8 103.75 0.066 Sqm 7 2.00 0.30 Sqm 8 103.75 0.066 Sqm 9 1								
Providing and removing conteining, shuttering, shutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached plassesses, buttersesse plinth cills and string courses cost of all materials, shubour complete as per specifications. PWD 16-19.5 No.4-31-Fg No.16 RCC Covered Drain Wall side SWD -0.46m Clear Width SWD -0.46m Clear Width SWD -0.46m Clear Width SWD -0.46m Clear Width SWD -0.46m Clear Width SWD -0.46m Clear Width SWD -0.46m Clear Width SWD -0.46m Clear Width SWD -0.46m Clear Width SWD -0.46m Clear Width SWD -0.46m Clear Width SWD -0.46m Clear Width SWD -0.46m Clear Width KSRRB M2200 - Providing Weep holes Providing weep holes in Brick masonary / Plan / Reinforced concrete abutment, wing wall / return wall with 100mm das AC pipe : extereding through the full width of the drawing and Terchical specifications complete as per specifications. PWD 18-19.5 No.28.10-Pg No.229 RCC Covered Drain SWD Chamber ACSE 2-4 : Reilliting available earth around pipe lines, cabbe in layers not exceeding 50ms in depth composing each apposited skyot by 17 camming after watering with lead uplo 50m, and lift uplo 1.5 m, including cost of all labour complete as per specifications. PWD 18-19.5 No.28.10-Pg No.7 RCC Covered Drain Total Exceevated Gry Providing and fineing unplasticised PVC pipes with working pressure 10 kg/sq cm with pipe fittings, ciles, making good the floor, including cost of all materials, labour changes. HOM and testing complete as per specifications. Rmt Providing & Fining Cl Grating (235 x 325mm) for read gully cover including floring the cover of Control of Providing and fining the cover of Control of Providing and fining the cover of Control of Providing and fining the cover of Control of Providing and fining the cover of Control of Providing and fining the cover of Control of Providing Control of Providing Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control								22.54 31.13
Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any tockness, including stated pilasters, burdenses plint his land afting courses cost of all materials, labour complete as per specifications. PVD 161-103. No. 4.3 17.9 No. 1.5 17.9 No. 1.6 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0		SWD - 0.00III Clear Width			103.75		0.15	204.79
and removal of form work for veincial surface such as walls at any topic courses cost of all materials, labour complete as per specifications. PWD 141-93. No. 4.3 17 Pk. No. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			<u> </u>					204.10
Wall aide SWD - 0.69m Clear Width Sgm 4 75.12 0.7	15	and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses plinth cills and string courses cost of all materials, labour complete as per specifications.						
SWD - 0.45m Clear Width Sym 4 75.12 0.7 SWD - 0.60m Clear Width Sym 4 103.75 0.865 SWD Chamber Sym 7 2.00 0.30 SWD - 0.60m Clear Width Sym 7 2.00 0.30 SWD Chamber Sym 7 2.00 0.30 SWD Chamber Sym 7 2.00 0.30 SWD - 0.50m 7 2.00 0.30 SWD - 0.50m 7 2.00 0.30 SWD - 0.50m 7 2.00 0.30 SWD - 0.50m 7 2.00 0.30 SWD - 0.50m 7 2.00 0.30 SWD - 0.50m 7 2.00 0.30 SWD - 0.50m 7 2.00 0.30 SWD - 0.50m 7 2.00 0.30 SWD - 0.50m 7 2.00 0.30 SWD - 0.50m 7 2.00 0.30 SWD - 0.50m 7 2.00 0.30 SWD - 0.50m 7 2.00 0.30 SWD - 0.50m 7 2.00 0.30 SWD - 0.50m 8 2.00 0.30 SWD - 0.50m 8 2.00 0.30 0.30 SWD - 0.50m 8 2.00 0.30 0.30 SWD - 0.50m 8 2.00 0.30 0.30 SWD - 0.50m 8 2.00 0.30 0.30 0.30 SWD - 0.50m 8 2.00 0.30 0.30 0.30 0.30 SWD - 0.50m 8 2.00 0.30 0.30 0.30 0.30 0.30 SWD - 0.50m 8 2.00 0.30 0.30 0.30 0.30 0.30 0.30 0.30		RCC Covered Drain						
SWD - 0.60m Clear Width Sgm 4 103.75 0.0,655 SWD Chamber Sgm 7 2.00 0.30 KSRRB M200 - Providing Weep holes Providing weep holes in Brick masony / Plan / Reinforced concrete abutment, wing wall / return wall masony / Plan / Reinforced concrete abutment, wing wall / return wall masony / Plan / Reinforced concrete abutment, wing wall / return wall masony / Plan / Reinforced concrete abutment, wing wall / return wall mason / Plan / Reinforced concrete abutment, wing wall / return wall mason / Plan / Reinforced concrete abutment, wing wall / return wall mason / Plan / Reinforced concrete abutment, wing wall / return wall mason / Plan / Reinforced / Reinforced / Reinf		Wall side						
SWD Chamber Sym KSRRB M2200 - Providing Weep holes Providing weep holes in Brick masonny / Plain / Reinforced concrete abutment, wing wall / return wall with 100mm dia AC pipe , extending through the full width of the structure with slope of 11/20H towards drawing force complete as per drawing and Technical specifications complete as per specifications. PWD 18-19, SI No.28.10, Pg No.229 RCC Covered Drain SWD Chamber Nos KSRB 2-4 : Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by rarming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications. PWD 18-19, SI No.2.11/Pg No 7 RCC Covered Drain Total Excavated Gly PCC Gly UPVC Pipe 110mm Dia Cum Providing and fixing unplasticised PVC pipes with working pressure 10 kg/ss, cm with pipe fittings, clips, making good the floor, including cost of all materials, labour charges, HOM and testing complete as per specifications. SRRB 18-19-Pg No.77, SI No.11.56.2 do-with 110mm outer dia RCC Covered Drain Rmt Providing & Fixing CI Grating (325 x 325mm) for road guily cover including fixing the cover and CM 1:3 Plastering 20mm thick to all approach faces curing for 90 days with all lated including cost of plastering but excluding cost of concrete etc, completete (As Per CO) SWD Chamber Each KSRB 44-41: Repairs to plaster in patches of 2.5 sgm and less in walls, ceilings 10 to 20mm thick in cement mortar 1-4 including cutting the patches in proper shape and replastering the surface of the wall including diaposal of rubbish with a lead of 50m including cutting the patches in proper shape and replastering the surface of the wall including allowed pagosal of rubbish with a lead of 50m including cutting the patches in proper shape and replastering but surface of the wall including allowing cost of materials, labels on complete as per specifications. NSE 24.2.1								210.34
KSRB M2200 - Providing Weep holes Providing weep holes in Brick masony / Plain / Reinforced concrete abutment, wing wall / return wall with 100mm dia AC pipe , extending through the full width of the structure with stope of 14/20H towards drawing force complete as per drawing and Technical specifications complete as per specifications. RCC Covered Drain								275.98 4.20
KSRRB M200 - Providing Weep holes Providing weep holes in Brick masonny / Plain / Reinforced concrete abutment, wing wall / return wall with 100mm dia AC ppe , extending through the full width of the structure with slope of 1V:20H towards drawing force complete as per drawing and Technical specifications complete as per specifications. PWD 18-19.SI No.28.10,Pg No 229 RCC Covered Drain SWD Chamber Nos 14.00 RSRB 2-4 : Refilling available earth around pipe lines, cables in layers on exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all abour complete as per specifications. PVD 18-18,31 No.2-11,Pg No 7 RCC Covered Drain Total Excavated City Cum 1 PCC City Cum -1 PCC City Cum -1 Providing and fixing unplasticised PVC pipes with working pressure 10 kg/sq.cm with pipe fittings, clips, making good the floor, including cost of all materials, labour charges, HOM and testing complete as per specifications. KSRB 18-19-Pg No.77,SI No.11.56.2 do- with 110mm outer dia RCC Covered Drain Rm Rmt 1.00 21.00 Rmt Providing & Fixing Ci Grating (325 x 325mm) for road gully cover including fixing the cover and CM 1.3 Plastering 20mm thick to all exposed faces curring for 30 days with all lead including cost of plastering both and excluding cost of concrete etc.completete (AR Per EOI) SWD Chamber Each 7.00 Each 7.		SWD Chamber		,	2.00		0.30	490.52
masonry / Plain / Reinforced concrete abutment, wing wall / return wall with 100mm dia AC pipe , extending through the full with of the structure with slope of 11/20H towards drawing force complete as per drawing and Technical specifications complete as per specifications. PWD 18-19,SI No.28.10,Pg No 229 RCC Covered Drain			- 4					
SWD Chamber Nos KSRB 2-4 : Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by 17 ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications. PWD 18-19.SI No.2.11,Pg No 7 RCC covered Drain Total Excavated City Cum 1 PCC City Cum 1 UPVC Pipe 110mm Dia Cum Providing and fixing unplasticised PVC pipes with working pressure 10 kg/sq.cm with pipe fittings, clips, making good the floor, including cost of all materials, labour charges, HOM and testing complete as per specifications. KSRB 18-19,Pg No.77,SI No.11.56.2 do- with 110mm outer dia RCC Covered Drain Rmt Providing & Fixing CI Grating (325 x 325mm) for road guily cover including fixing the cover and CM 1.3 Plastering 20mm thick to all exposed faces curing for 90 days with all lead including cost of plastering but excluding cost of corcrete etc, completete (As Per EOI) SWD Chamber Each KSRB 24-44 : Repairs to plaster in patches of 2.5 sqm and less in walls, ceilings 10 to 20mm thick in cernent mortar 1.4 including cutting the patches in proper shape and replastering the surface of the wall including disposal of rubbish with a lead of 50m including cost for materials, labour, complete as per specifications. Specification No. KSS 24.2.1	16	masonry / Plain / Reinforced concrete abutment, wing wall / return wall with 100mm dia AC pipe , extending through the full width of the structure with slope of 1V:20H towards drawing force complete as per drawing and Technical specifications complete as per specifications.						
KSRB 2-4 : Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by 17 ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications. PVD 18-19,SI No.2.11.Pg No 7 RCC Covered Drain Total Excavated City Cum 1 QCum 1 QCum 1 QPCC City Cum 1 QPVC Pipe 110mm Dia Cum Providing and fixing unplasticised PVC pipes with working pressure 10 kg/sq.cm with pipe fittings, clips, making good the floor, including cost of all materials, labour charges, HOM and testing complete as per specifications. KSRB 18-19,Pg No.77,SI No.11.56.2 do- with 110mm outer dia RCC Covered Drain Rmt Providing & Fixing CI Grating (325 x 325mm) for road gully cover including kixing the cover and CM 1:3 Plastering 20mm thick to all species of the cover and CM 1:3 Plastering 20mm thick to all 19 exposed faces curing for 90 days with all lead including cost of plastering but excluding cost of concrete etc, completete (As Per EOI) SWD Chamber KSRB 24-44 : Repairs to plaster in patches of 2.5 sqm and less in walls, ceilings 1 to 20mm thick in cement mortar 1:4 including cutting the patches in proper shape and replastering the surface of the wall including disposal of rubbish with a lead of 50m including cost of materials, labour, complete as per specifications. Specification No.KBS 24.2.1								
KSRB 2-4 : Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by 17 ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications. PWD 18-19,SI No.2.11,Pg No 7 RCC Covered Drain Total Excavated City Cum 1 PCC Qty Cum -1 UPVC Pipe 110mm Dia Cum -1 Cum -1 UPVC Pipe 110mm Dia Cum -1 Cum 10 Roc Qury Providing and fixing unplasticised PVC pipes with working pressure 10 kg/sq.cm with pipe fittings, clips, making good the floor, including cost of all materials, labour charges, HOM and testing complete as per specifications. KSRB 18-19,Pg No.77,SI No.11.56.2 do- with 110mm outer dia RCC Covered Drain Rmt Providing & Fixing CI Grating (325 x 325mm) for road gully cover including fixing the cover and CM 1.3 Plastering 20mm thick to all exposed faces curing for 90 days with all lead including cost of plastering but excluding cost of concrete etc.completete (As Per ECI) SWD Chamber Each KSRB 24-44 : Repairs to plaster in patches of 2.5 sqm and less in walls, cellings 10 to 20mm thick in cement mortar 1.14 including cutting the patches in proper shape and replastering the surface of the wall including disposal of rubbish with a lead of 50m including curing cost of materials, labour, complete as per specifications. Specifications No.KBS 24.2.1		SWD Chamber		14.00				14.00
not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications. PWD 18-19,SI No.2-11,Pg No 7 RCC Covered Drain Total Excavated Qty Cum 1 RCC Qty Cum -1 RCC Qty Cum -1 UPVC Pipe 110mm Dia Cum Providing and fixing unplasticised PVC pipes with working pressure 10 kg/sq.cm with pipe fittings, clips, making good the floor, including cost of all materials, labour charges, HOM and testing complete as per specifications. KSRB 18-19,Pg No.77,SI No.11.56.2 do- with 110mm outer dia RCC Covered Drain Rmt Providing & Fixing CI Grating (325 x 325mm) for road gully cover including fixing the cover and CM 1:3 Plastering 20mm thick to all exposed faces curing for 90 days with all lead including cost of plastering but excluding cost of concrete etc.completete (As Per ECI) SWD Chamber Each KSRB 24-44 : Repairs to plaster in patches of 2.5 sqm and less in walls, ceilings 10 to 20mm thick in ement mortar 1:4 including cutting the patches in proper shape and replastering the surface of the wall including disposal of rubbish with a lead of 50m including cost of materials, labour, complete as per specifications. Specification No.KBS 24-2.1			NOS					14.00
Total Excavated Qty PCC Qty Cum -1 PCC Qty Cum -1 UPVC Pipe 110mm Dia Cum -1 UPVC Pipe 110mm Dia Cum -1 Providing and fixing unplasticised PVC pipes with working pressure 10 kg/sc,cm with pipe fittings, clips, making good the floor, including cost of all materials, labour charges, HOM and testing complete as per specifications. KSRB 18-19,Pg No.77,Sl No.11.56.2 do- with 110mm outer dia RCC Covered Drain Rmt 1.00 21.00 Providing & Fixing CI Grating (325 x 325mm) for road gully cover including fixing the cover and CM 1:3 Plastering 20mm thick to all exposed faces curing for 90 days with all lead including cost of plastering but excluding cost of concrete etc,completete (As Per EOI) SWD Chamber Each KSRB 24-44 : Repairs to plaster in patches of 2.5 sqm and less in walls, ceilings 10 to 20mm thick in cement mortar 1-4 including cutting the patches in proper shape and replastering the surface of the wall including disposal of rubbish with a lead of 50m including curing cost of materials, labour, complete as per specifications. Specification No.KBS 24.2.1		not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications. PWD 18-19,SI No.2.11,Pg No 7						
PCC Qty RCC Qty Cum -1 UPVC Pipe 110mm Dia Cum -1 UPVC Pipe 110mm Dia Cum -1 UPVC Pipe 110mm Dia Cum -1 Providing and fixing unplasticised PVC pipes with working pressure 10 kg/sq.cm with pipe fittings, clips, making good the floor, including cost of all materials, labour charges, HOM and testing complete as per specifications. KSRB 18-19,Pg No.77,Sl No.11.56.2 do- with 110mm outer dia RCC Covered Drain Rmt Providing & Fixing CI Grating (325 x 325mm) for road gully cover including fixing the cover and CM 1:3 Plastering 20mm thick to all exposed faces curing for 90 days with all lead including cost of plastering but excluding cost of concrete etc, completete (As Per ECI) SWD Chamber Each KSRB 24-44 : Repairs to plaster in patches of 2.5 sqm and less in walls, ceilings 10 to 20mm thick in cement mortar 1:4 including cutting the patches in proper shape and replastering the surface of the wall including disposal of rubbish with a lead of 50m including curing cost of materials, labour, complete as per specifications. Specification No.KBS 24.2.1								
RCC Qty UPVC Pipe 110mm Dia Cum -1 21.00 0.01 Providing and fixing unplasticised PVC pipes with working pressure 10 kg/sq.cm with pipe fittings, clips, making good the floor, including cost of all materials, labour charges, HOM and testing complete as per specifications. KSRB 18-19,Pg No.77,Sl No.11.56.2 do- with 110mm outer dia RCC Covered Drain Rmt Providing & Fixing Cl Grating (325 x 325mm) for road gully cover including fixing the cover and CM 1:3 Plastering 20mm thick to all exposed faces curing for 90 days with all lead including cost of plastering but excluding cost of concrete etc,completete (As Per EOI) SWD Chamber Each KSRB 24-44: Repairs to plaster in patches of 2.5 sqm and less in walls, ceilings 10 to 20mm thick in cement mortar 1:4 including cutting the patches in proper shape and replastering the surface of the wall including disposal of rubbish with a lead of 50m including curing cost of materials, labour, complete as per specifications. Specification No.KBS 24.2.1								213.83 -18.89
UPVC Pipe 110mm Dia Cum 1 21.00 0.01 Providing and fixing unplasticised PVC pipes with working pressure 10 kg/sq.cm with pipe fittings, clips, making good the floor, including cost of all materials, labour charges, HOM and testing complete as per specifications. KSRB 18-19, Pg No.77, SI No.11.56.2 do- with 110mm outer dia RCC Covered Drain Rmt Providing & Fixing CI Grating (325 x 325mm) for road gully cover including fixing the cover and CM 1:3 Plastering 20mm thick to all exposed faces curing for 90 days with all lead including cost of plastering but excluding cost of concrete etc,completete (As Per EOI) SWD Chamber Each KSRB 24-44 : Repairs to plaster in patches of 2.5 sqm and less in walls, ceilings 10 to 20mm thick in cement mortar 1:4 including cutting the patches in proper shape and replastering the surface of the wall including disposal of rubbish with a lead of 50m including cord of materials, labour, complete as per specifications. Specification No.KBS 24.2.1		•						-58.93
Providing and fixing unplasticised PVC pipes with working pressure 10 kg/sq.cm with pipe fittings, clips, making good the floor, including cost of all materials, labour charges, HOM and testing complete as per specifications. KSRB 18-19,Pg No.77,Sl No.11.56.2 do- with 110mm outer dia RCC Covered Drain Rmt Providing & Fixing CI Grating (325 x 325mm) for road gully cover including fixing the cover and CM 1:3 Plastering 20mm thick to all sexposed faces curing for 90 days with all lead including cost of plastering but excluding cost of concrete etc,completete (As Per EOI) SWD Chamber Each KSRB 24-44 : Repairs to plaster in patches of 2.5 sqm and less in walls, ceilings 10 to 20mm thick in cement mortar 1:4 including cutting the patches in proper shape and replastering the surface of the wall including disposal of rubbish with a lead of 50m including curing cost of materials, labour, complete as per specifications. Specification No.KBS 24.2.1				-1	21.00	0.01		-0.20
10 kg/sq.cm with pipe fittings, clips, making good the floor, including cost of all materials, labour charges, HOM and testing complete as per specifications. KSRB 18-19,Pg No.77,Sl No.11.56.2 do- with 110mm outer dia RCC Covered Drain Rmt Providing & Fixing CI Grating (325 x 325mm) for road gully cover including fixing the cover and CM 1.3 Plastering 20mm thick to all exposed faces curing for 90 days with all lead including cost of plastering but excluding cost of concrete etc,completete (As Per EOI) SWD Chamber Each KSRB 24-44 : Repairs to plaster in patches of 2.5 sqm and less in walls, ceilings 10 to 20mm thick in cement mortar 1:4 including cutting the patches in proper shape and replastering the surface of the wall including disposal of rubbish with a lead of 50m including coring cost of materials, labour, complete as per specifications. Specification No.KBS 24-2.1			Cum					135.81
RCC Covered Drain Rmt 1.00 21.00 Rmt Providing & Fixing CI Grating (325 x 325mm) for road gully cover including fixing the cover and CM 1:3 Plastering 20mm thick to all exposed faces curing for 90 days with all lead including cost of plastering but excluding cost of concrete etc,completete (As Per EOI) SWD Chamber Each KSRB 24-44 : Repairs to plaster in patches of 2.5 sqm and less in walls, ceilings 10 to 20mm thick in cement mortar 1:4 including cutting the patches in proper shape and replastering the surface of the wall including disposal of rubbish with a lead of 50m including curing cost of materials, labour, complete as per specifications. Specification No.KBS 24.2.1	18	10 kg/sq.cm with pipe fittings, clips, making good the floor, including cost of all materials, labour charges, HOM and testing complete as per specifications.						
RCC Covered Drain Rmt 1.00 21.00 Rmt Providing & Fixing CI Grating (325 x 325mm) for road gully cover including fixing the cover and CM 1:3 Plastering 20mm thick to all exposed faces curing for 90 days with all lead including cost of plastering but excluding cost of concrete etc,completete (As Per EOI) SWD Chamber Each KSRB 24-44 : Repairs to plaster in patches of 2.5 sqm and less in walls, ceilings 10 to 20mm thick in cement mortar 1:4 including cutting the patches in proper shape and replastering the surface of the wall including disposal of rubbish with a lead of 50m including curing cost of materials, labour, complete as per specifications. Specification No.KBS 24.2.1		do- with 110mm outer dia						
Providing & Fixing CI Grating (325 x 325mm) for road gully cover including fixing the cover and CM 1:3 Plastering 20mm thick to all exposed faces curing for 90 days with all lead including cost of plastering but excluding cost of concrete etc,completete (As Per EOI) SWD Chamber Each KSRB 24-44 : Repairs to plaster in patches of 2.5 sqm and less in walls, ceilings 10 to 20mm thick in cement mortar 1:4 including cutting the patches in proper shape and replastering the surface of the wall including disposal of rubbish with a lead of 50m including curing cost of materials, labour, complete as per specifications. Specification No.KBS 24.2.1			Rmt	1.00	21.00			21.00
including fixing the cover and CM 1:3 Plastering 20mm thick to all exposed faces curing for 90 days with all lead including cost of plastering but excluding cost of concrete etc,completete (As Per EOI) SWD Chamber Each KSRB 24-44: Repairs to plaster in patches of 2.5 sqm and less in walls, ceilings 10 to 20mm thick in cement mortar 1:4 including cutting the patches in proper shape and replastering the surface of the wall including disposal of rubbish with a lead of 50m including curing cost of materials, labour, complete as per specifications. Specification No.KBS 24.2.1			Rmt					21.00
including fixing the cover and CM 1:3 Plastering 20mm thick to all exposed faces curing for 90 days with all lead including cost of plastering but excluding cost of concrete etc,completete (As Per EOI) SWD Chamber Each KSRB 24-44: Repairs to plaster in patches of 2.5 sqm and less in walls, ceilings 10 to 20mm thick in cement mortar 1:4 including cutting the patches in proper shape and replastering the surface of the wall including disposal of rubbish with a lead of 50m including curing cost of materials, labour, complete as per specifications. Specification No.KBS 24.2.1		Describing & Fining Of Continuo (CCF, CCF, CCF, CCF, CCF, CCF, CCF, CCF						
KSRB 24-44 : Repairs to plaster in patches of 2.5 sqm and less in walls, ceilings 10 to 20mm thick in cement mortar 1:4 including cutting the patches in proper shape and replastering the surface of the wall including disposal of rubbish with a lead of 50m including curing cost of materials, labour, complete as per specifications. Specification No.KBS 24.2.1	19	including fixing the cover and CM 1:3 Plastering 20mm thick to all exposed faces curing for 90 days with all lead including cost of plastering but excluding cost of concrete etc,completete (As Per EOI)						
KSRB 24-44: Repairs to plaster in patches of 2.5 sqm and less in walls, ceilings 10 to 20mm thick in cement mortar 1:4 including cutting the patches in proper shape and replastering the surface of the wall including disposal of rubbish with a lead of 50m including curing cost of materials, labour, complete as per specifications. Specification No.KBS 24.2.1		SWD Chamber		7.00				7.00
ceilings 10 to 20mm thick in cement mortar 1:4 including cutting the patches in proper shape and replastering the surface of the wall including disposal of rubbish with a lead of 50m including curing cost of materials, labour, complete as per specifications. Specification No.KBS 24.2.1			Each					7.00
ceilings 10 to 20mm thick in cement mortar 1:4 including cutting the patches in proper shape and replastering the surface of the wall including disposal of rubbish with a lead of 50m including curing cost of materials, labour, complete as per specifications. Specification No.KBS 24.2.1		KSRB 24-44 : Repairs to plaster in patches of 2.5 sam and less in walls						
	20	ceilings 10 to 20mm thick in cement mortar 1:4 including cutting the patches in proper shape and replastering the surface of the wall including disposal of rubbish with a lead of 50m including curing cost of materials, labour, complete as per specifications. Specification No.KBS 24.2.1						
Block 1		Block 1						

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	Outside wall	Sqm	1	88.00		5.63	495.00
	Ramp	Sqm	1	2.40	1.12		2.69
	Block 2	0		50.00		5.74	000.00
	Outside wall Ramp	Sqm Sqm	1	50.00 2.40	1.23	5.74	286.83 2.95
	Block 3 Stage	Sqiii	'	2.40	1.23		2.93
	Outside wall	Sqm	1	48.28		6.60	318.65
	Block 4 Toilet						
	Outside wall	Sqm	1	16.50		3.00	49.50
		Sqm			Total		1155.62
	Total 70% Quantity	Sqm			Total		808.93
21	Providing and fixing Special make glazed Vitrified tiles (Granomite finish) of approved make, quality and colour of size 600x600x10mm thick fixed on existing flooring with a special roffe adhesive for flooring and skirting etc., complete including providing spears at required interval and removing stains etc., complete. (P.No. 109, I.No. 14.43 of SR 2018-19). Block 1						
	Abondened Room	Sqm	1	2.45	3.86		9.46
	Skirting	Sqm	1	12.62	0.00	0.15	1.89
	Abondened Room	Sqm	1	2.76	4.36	-	12.03
	Skirting	Sqm	1	14.24		0.15	2.14
	3rd Class Room	Sqm	1	5.57	5.03		28.02
	Skirting	Sqm	1	21.20		0.15	3.18
	4th Class Room	Sqm	1	5.57	5.05		28.13
	Skirting	Sqm	1	21.24	4.00	0.15	3.19
	5th Class Room	Sqm	1	5.57	4.89	0.45	27.24
	Skirting Store Reem	Sqm	1 1	20.92 5.57	E E2	0.15	3.14 30.80
	Store Room Skirting	Sqm Sqm	1	22.20	5.53	0.15	30.80
	6th Classs Room	Sqm	1	5.46	5.53	0.13	30.19
	Skirting	Sqm	1	21.98	0.00	0.15	3.30
	7th class room	Sqm	1	5.39	5.53		29.81
	Skirting	Sqm	1	21.84		0.15	3.28
	Pump Room	Sqm	1	2.75	1.65		4.54
	Skirting	Sqm	1	8.80		0.15	1.32
	Corridor	Sqm	1	6.50	1.85		12.03
		Sqm	1	15.60	1.85		28.86
	Block 2	Cam	1	10.05	1.05		34.87
	Corridor	Sqm Sqm	1	18.85 7.90	1.85 1.85		14.62
	Skirting	Sqm	1	26.75	1.05	0.15	4.01
	Block 3 Stage	Oqiii	·	20.70		0.10	1.01
	Corridor	Sqm	2	5.18	0.50		5.18
		Sqm	1	7.50	1.50		11.25
	Skirting	Sqm	2	5.18		0.15	1.55
	Total Qty	Sqm			Total		337.36
22	Providing and laying of teak wooden polished flooring of 12mm thick, high density timber of approved colour and design with end trims, transition, profiles, beading, 15mm thick felt, and 20 micron polyester film						
	with 4mm thick foam underlay etc., (P.No.113, I.No.14.70 of PWD SR 2018-19)						
	with 4mm thick foam underlay etc., (P.No.113, I.No.14.70 of PWD SR 2018-19) Block 2	Sam	1	3.07	5.66		17 38
	with 4mm thick foam underlay etc., (P.No.113, I.No.14.70 of PWD SR 2018-19)	Sqm Sqm	1 1	3.07 17.46	5.66	0.15	17.38 2.62
	with 4mm thick foam underlay etc., (P.No.113, I.No.14.70 of PWD SR 2018-19) Block 2 Principal Chamber				5.66 Total	0.15	2.62
23	with 4mm thick foam underlay etc., (P.No.113, I.No.14.70 of PWD SR 2018-19) Block 2 Principal Chamber Skirting	Sqm				0.15	2.62
	with 4mm thick foam underlay etc., (P.No.113, I.No.14.70 of PWD SR 2018-19) Block 2 Principal Chamber Skirting Total Qty KSRB 14.14-5: Providing Ceramic tiles of approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications for Ceramic Tiles of size 30x30cms 6mm thick.	Sqm				0.15	
	with 4mm thick foam underlay etc., (P.No.113, I.No.14.70 of PWD SR 2018-19) Block 2 Principal Chamber Skirting Total Qty KSRB 14.14-5: Providing Ceramic tiles of approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications for Ceramic Tiles of size 30x30cms 6mm thick. PWD 18-19,SI No.14.36.2,Pg No.107 and 108 Block 2	Sqm Sqm	1	17.46	Total	0.15	2.62
	with 4mm thick foam underlay etc., (P.No.113, I.No.14.70 of PWD SR 2018-19) Block 2 Principal Chamber Skirting Total Qty KSRB 14.14-5: Providing Ceramic tiles of approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications for Ceramic Tiles of size 30x30cms 6mm thick. PWD 18-19,SI No.14.36.2,Pg No.107 and 108 Block 2 Hall	Sqm Sqm	1	17.46			2.62 20.00
	with 4mm thick foam underlay etc., (P.No.113, I.No.14.70 of PWD SR 2018-19) Block 2 Principal Chamber Skirting Total Qty KSRB 14.14-5: Providing Ceramic tiles of approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications for Ceramic Tiles of size 30x30cms 6mm thick. PWD 18-19,SI No.14.36.2,Pg No.107 and 108 Block 2 Hall Skirting	Sqm Sqm	1	17.46	Total	0.15	2.62
	with 4mm thick foam underlay etc., (P.No.113, I.No.14.70 of PWD SR 2018-19) Block 2 Principal Chamber Skirting Total Qty KSRB 14.14-5: Providing Ceramic tiles of approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications for Ceramic Tiles of size 30x30cms 6mm thick. PWD 18-19,SI No.14.36.2,Pg No.107 and 108 Block 2 Hall Skirting Block 3 Stage	Sqm Sqm Sqm Sqm	1 1 1	17.46 15.09 41.50	Total		2.62 20.00 85.41 6.23
	with 4mm thick foam underlay etc., (P.No.113, I.No.14.70 of PWD SR 2018-19) Block 2 Principal Chamber Skirting Total Qty KSRB 14.14-5: Providing Ceramic tiles of approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications for Ceramic Tiles of size 30x30cms 6mm thick. PWD 18-19,SI No.14.36.2,Pg No.107 and 108 Block 2 Hall Skirting	Sqm Sqm Sqm Sqm Sqm	1 1 1 1	15.09 41.50 4.85	Total 5.66 6.11		2.62 20.00 85.41 6.23
	with 4mm thick foam underlay etc., (P.No.113, I.No.14.70 of PWD SR 2018-19) Block 2 Principal Chamber Skirting Total Qty KSRB 14.14-5: Providing Ceramic tiles of approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications for Ceramic Tiles of size 30x30cms 6mm thick. PWD 18-19,SI No.14.36.2,Pg No.107 and 108 Block 2 Hall Skirting Block 3 Stage	Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1	15.09 41.50 4.85 4.75	5.66 6.11 6.11		2.62 20.00 85.41 6.23 29.63 29.02
	with 4mm thick foam underlay etc., (P.No.113, I.No.14.70 of PWD SR 2018-19) Block 2 Principal Chamber Skirting Total Qty KSRB 14.14-5: Providing Ceramic tiles of approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications for Ceramic Tiles of size 30x30cms 6mm thick. PWD 18-19,SI No.14.36.2,Pg No.107 and 108 Block 2 Hall Skirting Block 3 Stage Stage	Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1	15.09 41.50 4.85	Total 5.66 6.11		2.62 20.00 85.41 6.23 29.63 29.02 42.46
	with 4mm thick foam underlay etc., (P.No.113, I.No.14.70 of PWD SR 2018-19) Block 2 Principal Chamber Skirting Total Qty KSRB 14.14-5: Providing Ceramic tiles of approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications for Ceramic Tiles of size 30x30cms 6mm thick. PWD 18-19,SI No.14.36.2,Pg No.107 and 108 Block 2 Hall Skirting Block 3 Stage	Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 1	15.09 41.50 4.85 4.75 6.95	5.66 6.11 6.11	0.15	2.62 20.00 85.41 6.23 29.63 29.02 42.46
	with 4mm thick foam underlay etc., (P.No.113, I.No.14.70 of PWD SR 2018-19) Block 2 Principal Chamber Skirting Total Qty KSRB 14.14-5: Providing Ceramic tiles of approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications for Ceramic Tiles of size 30x30cms 6mm thick. PWD 18-19,SI No.14.36.2,Pg No.107 and 108 Block 2 Hall Skirting Block 3 Stage Skirting Block 4 Toilet Special Toilet	Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 1	15.09 41.50 4.85 4.75 6.95 37.53	5.66 6.11 6.11	0.15	2.62 20.00 85.41 6.23 29.63 29.02 42.46 5.63
	with 4mm thick foam underlay etc., (P.No.113, I.No.14.70 of PWD SR 2018-19) Block 2 Principal Chamber Skirting Total Qty KSRB 14.14-5: Providing Ceramic tiles of approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications for Ceramic Tiles of size 30x30cms 6mm thick. PWD 18-19,SI No.14.36.2,Pg No.107 and 108 Block 2 Hall Skirting Block 3 Stage Stage Skirting Block 4 Toilet Special Toilet Girls Toliet	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 1 1 1	15.09 41.50 4.85 4.75 6.95 37.53	5.66 5.66 6.11 6.11 6.11 2.85 1.39	0.15	2.62 20.00 85.41 6.23 29.63 29.02 42.46 5.63 4.93 1.53
	with 4mm thick foam underlay etc., (P.No.113, I.No.14.70 of PWD SR 2018-19) Block 2 Principal Chamber Skirting Total Qty KSRB 14.14-5: Providing Ceramic tiles of approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications for Ceramic Tiles of size 30x30cms 6mm thick. PWD 18-19,SI No.14.36.2,Pg No.107 and 108 Block 2 Hall Skirting Block 3 Stage Stage Skirting Block 4 Toilet Special Toilet Girls Toliet Boys Toliet	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 1 1 1 1	15.09 41.50 4.85 4.75 6.95 37.53 1.73 1.10	5.66 5.11 6.11 6.11 2.85	0.15	2.62 20.00 85.41 6.23 29.63 29.02 42.46 5.63 1.53 1.39
	with 4mm thick foam underlay etc., (P.No.113, I.No.14.70 of PWD SR 2018-19) Block 2 Principal Chamber Skirting Total Qty KSRB 14.14-5: Providing Ceramic tiles of approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications for Ceramic Tiles of size 30x30cms 6mm thick. PWD 18-19,SI No.14.36.2,Pg No.107 and 108 Block 2 Hall Skirting Block 3 Stage Stage Skirting Block 4 Toilet Special Toilet Girls Toliet	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 1 1 1	15.09 41.50 4.85 4.75 6.95 37.53	5.66 5.66 6.11 6.11 6.11 2.85 1.39	0.15	20. 20. 85. 6. 29. 42. 5.

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
		Sqm	1	4.78		1.80	8.60
	Ded	*					
	Door-D	Sqm	-2	0.77		1.97	-3.03
	Door-D1	Sqm	-1	1.23	T-1-1	2.10	-2.58
	Total Qty	Sqm			Total		234.67
	Providing and laying pattern flooring for staircase treads and risers using						
	the combination of 20mm thick ruby red granite @ 66%,20 mm thick grey						
	granite @ 20%, 20mm thick, 20mm thick black granite 14%. The granite						
24	materials are laid on existing bed of CM 1:3 20mm thick pointed with						
24	colour pigment, including full rounding for nosing, flaming the ruby red						
	granite for 50 mm wide curing etc., complete as per specification. (P.No.						
	109, I.No. 14.46 of PWD SR 2018-19)						
	Block 1						
	Entry Step Tread	Sqm	1	3.38	0.30		1.01
	Entry Step Tread	Sqm	1	4.27	0.30		1.28
	Entry Step Tread	Sqm	1	5.19	0.30		1.56
	Entry Step Tread	Sqm	1	3.40	0.30		1.02
	Entry Step Tread	Sqm	1	4.30	0.30		1.29
	Entry Step Tread	Sqm	1	5.23	0.30		1.57
	Riser	Sqm	1	3.38		0.15	0.51
	Riser	Sqm	1	4.27		0.15	0.64
	Riser	Sqm	1	5.19	ļ	0.15	0.78
	Riser	Sqm	1	3.40		0.15	0.51
	Riser	Sqm	1	4.30	1	0.15	0.65
	Riser	Sqm	1	5.23	1.10	0.15	0.78 2.69
	Ramp Block 2	Sqm	1	2.40	1.12		2.08
	Entry Step Tread	Sqm	1	9.65	0.30		2.90
	Entry Step Tread	Sqm	1	10.65	0.30		3.20
	Entry Step Tread	Sqm	1	11.32	0.30		3.40
	Entry Step Tread	Sqm	4	1.70	0.30		2.04
	Riser	Sqm	1	9.30		0.15	1.40
	Riser	Sqm	1	9.65		0.15	1.45
	Riser	Sqm	1	10.65		0.15	1.60
	Riser	Sqm	1	11.32		0.15	1.70
	Riser	Sqm	5	1.70		0.15	1.28
	Ramp	Sqm	1	2.40	1.23		2.95
	Block 3 Stage			7.00	0.00		
	Entry Step Tread	Sqm	2	7.20	0.30	0.45	4.32
	Riser Inside Step Tread	Sqm Sqm	2	7.20 6.11	0.30	0.15	2.16 3.67
	Inside Step Fread	Sqm	4	6.11	0.30	0.15	3.67
	Door step Tread	Sqm	2	1.20	0.30	0.15	0.72
	Door step Riser	Sqm	2	1.80	0.00	0.15	0.54
	Block 4 Toilet	- q	_				
	Entry Step Tread	Sqm	2	0.77	0.30		0.46
	Entry Step Riser	Sqm	2	1.07		0.15	0.32
	Ramp	Sqm	1	1.25	1.50		1.88
	Total Qty	Sqm			Total		53.95
	Repairing door and window frames with available wood to the required						
25	size.						
	PWD 18-19,SI No.37.12,Pg No 267						
	Block 1 Door-D	Sqm	9	1.00	 	2.10	19.00
	Door-D1	Sqm	1	1.00	1	2.10	2.00
	Window-W	Sqm	22	0.88	1	1.50	29.00
	Block 2	- 1			1		
	Door-D	Sqm	3	1.04		2.10	7.00
	Window-W	Sqm	3	0.9		1.50	4.00
	Window-W1	Sqm	10	1.05		1.53	16.00
	Block 3 Stage						
	Door-D	Sqm	2	1.10		2.00	4.00
	Window-W	Sqm	8	0.88		1.50	11.00
	Window-W1	Sqm	2	1.50	1	1.20	4.00
	Block 4 Toilet Door-D	Sqm	2	0.77	1	1.07	3.00
	D001-D	Sqm		0.77	Total	1.97	99.00
	Total 70% Quantity	Sqm			Total		69.30
	1 otal 1070 squarity	Sqiii			i Ulai		09.30
	Repairing and fixing shutters (panelled or glazed) to doors, windows,				1		
26	ventilators and cupboards.						
	PWD 18-19,SI No.37.13,Pg No.267		<u> </u>		<u></u> _		
	Block 1						
	Door-D	Sqm	9	1.00		2.10	19.00
	Door-D1	Sqm	1	1.09		2.20	2.00
	Window-W	Sqm	22	0.88	ļ	1.50	29.00
	Block 2 Door-D				ļ		
		Sqm	3	1.04	1	2.10	7.00

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	Window-W	Sqm	3	0.90		1.50	4.00
	Window-W1	Sqm	10	1.05		1.53	16.00
	Block 3 Stage Door-D	Sqm	2	1.10		2.00	4.00
	Window-W	Sqm	8	0.88		1.50	11.00
	Window-W1	Sqm	2	1.50		1.20	4.00
	Block 4 Toilet						
	Door-D	Sqm	2	0.77		1.97	3.00
<u> </u>	Tatal 700/ Occasión	0			T-1-1		99.00
	Total 70% Quantity	Sqm			Total		69.30
27	KSRB 15-15.1: Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - do- with primer PWD 18-19,SI No.15.51.2,Pg No.119 Block 1						
	Abondened Room	Sqm	2	6.31		5.10	64.00
	Abondened Room	Sqm	2	7.12		5.10	73.00
	3rd Class Room	Sqm	2	10.60		5.10	108.00
	4th Class Room	Sqm Sqm	2	10.62 10.46		5.10	108.00 107.00
	5th Class Room Store Room	Sqm	2	11.10		5.10 5.10	113.00
	6th Classs Room	Sqm	2	10.99	1	5.10	112.00
	7th class room	Sqm	2	10.92		5.10	111.00
	Pump Room	Sqm	2	4.40		5.10	45.00
	Ded	_					
	Door-D	Sqm Sqm	-9 -1	1.00		2.10	-19.00 -2.00
	Door-D1 Window-W	Sqm	-1 -22	1.09 0.88		2.20 1.50	-29.00
	Ventilator-V	Sqm	-1	0.30		0.45	-0.14
	Ceiling	Sqm	1	10.00	2.99	0.10	29.90
	Block 2						
	Principal Chamber	Sqm	2	8.73		5.23	91.00
	Hall Ded	Sqm	2	20.75		5.23	217.00
	Door-D	Sqm	-3	1.04		2.10	-7.00
	Window-W	Sqm	-3	0.90		1.50	-4.00
	Window-W1	Sqm	-10	1.05		1.53	-16.00
	Block 3 Stage						
	Kalamandir	Sqm	2	23.22		6.08	282.00
	Ded Door-D	Sqm Sqm	-2	1.10		2.00	-4.00
	Window-W	Sqm	-8	0.88		1.50	-11.00
	Window-W1	Sqm	-2	1.50		1.20	-4.00
	Rolling shutter	Sqm	-1	5.95		4.60	-27.00
	Ceiling	Sqm	1	17.11	6.11		105.00
	Column-C1	Sqm	2	1.30		5.80	15.00
	Block 4 Toilet Special Toilet	Sqm	2	4.58		2.70	25.00
	Girls Toliet	Sqm	2	2.49		2.70	13.00
	Boys Toliet	Sqm	2	2.39		2.70	13.00
	Ded	-					
	Door-D	Sqm	-2	0.77	-	1.97	-3.00
	Door-D1 Ventilator-V	Sqm Sqm	-1 -2	1.23 0.44		2.10 0.27	-3.00 -0.24
	Ceiling	Sqm	1	16.00	Area	0.21	16.00
	Total Quantity	Sqm			Total		1518.53
	Supplying and fixing new Mangalore tiles on existing reepers. PWD 18-19,SI No.37.9,Pg No.267						
	B1 Block	Sqm	1				340.00
	B2 Block	Sqm	1	<u> </u>			232.00
		Sqm			Total		572.00
	Total 60% Quantity	Sqm					343.20
29	KSRB 8.4: Providing and fixing Mangalore tile roofing using first class tiles with necessary special tiles for ridges and hips, wood reepers and pointed with cement mortar 1:4 over the existing rafters including cost of materials, labour, curing complete as per specifications. Specification No. KBS 8.17KSRB 8.4-2: do- Nandi wood reepers of size 50x25mm						
	PWD 18-19,SI No.8.11						
	PWD 18-19,SI No.8.11 School Building	Sqm	1				572.00

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	Total 40% Quantity	Sqm					228.80
00	Removing and fixing old Mangalore ridge tiles including pointing with C.M. 1:3.						
30	PWD 18-19,SI No.37.10,Pg No.267						
	B1 Block	Rmt	1	38.20			38.20
	B2 Block	Rmt	1	33.50			33.50
		Rmt			Total		71.70
	Total 80% Quantity	Rmt					57.36
	KSRB 15-17.19: Providing and applying painting one coat (excluding						
	priming coat) on previously painted wood surface and / or wood based						
	surface with black japan paint to give an even shade after cleaning the						
31	surface of all dirt, dust and foreign matter, including cost of materials, labour, complete as per specifications.						
	PWD 18-19,SI No.15.71,Pg No.123						
	Block 1		•	4.00		0.40	
	Door-D Door-D1	Sqm Sqm	9	1.00 1.09		2.10 2.20	18.90 2.40
	Window-W	Sqm	22	0.88		1.50	29.04
	Wooden Column	Sqm	7	0.40		2.43	6.80
	Rafter & Reepers	Sqm	1				340.00
<u> </u>	Block 2 Door-D	Sqm	3	1.04		2.10	6.55
	Window-W	Sqm	3	0.90		1.50	4.05
	Window-W1	Sqm	10	1.05		1.53	16.07
	Rafter & Reepers	Sqm	1				232.00
<u> </u>	Block 3 Stage	Cam	2	4.40		0.00	4.40
	Door-D Window-W	Sqm Sqm	2 8	1.10 0.88		2.00 1.50	4.40 10.56
	Window-W1	Sqm	2	1.50		1.20	3.60
	Block 4 Toilet						
	Door-D	Sqm	2	0.77		1.97	3.03
		Sqm			Total		677.40
	KSRB 15-17.19:Applying additional one coat (excluding priming coat) on						
	previously painted wood surface and / or wood based surface with black						
32	japan paint to give an even shade after cleaning the surface of all dirt,						
	dust and foreign matter, including cost of materials, labour, complete as per specifications.						
	PWD 18-19,SI No.15.72,Pg No.123						
	Block 1						
	Door-D	Sqm	9	1.00		2.10	18.90
	Door-D1	Sqm	1 22	1.09 0.88		2.20 1.50	2.40
	Window-W Wooden Column	Sqm Sqm	7	0.66		2.43	29.04 6.80
	Rafter & Reepers	Sqm	1				340.00
	Block 2						
	Door-D	Sqm	3	1.04		2.10	6.55
	Window-W Window-W1	Sqm Sqm	3 10	0.90 1.05		1.50 1.53	4.05 16.07
	Rafter & Reepers	Sqm	1	1.00		1.00	232.00
	Block 3 Stage						
<u> </u>	Door-D	Sqm	2	1.10		2.00	4.40
	Window-W Window-W1	Sqm Sqm	8 2	0.88 1.50		1.50 1.20	10.56 3.60
		Oqiii		1.50		1.20	3.00
	Block 4 Toilet						
	Block 4 Toilet Door-D	Sqm	2	0.77		1.97	3.03
		Sqm Sqm	2	0.77	Total	1.97	3.03 677.40
	Door-D		2	0.77	Total	1.97	
			2	0.77	Total	1.97	
	Door-D Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement		2	0.77	Total	1.97	
	Door-D Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of		2	0.77	Total	1.97	
	Door-D Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified		2	0.77	Total	1.97	
	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids, cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to		2	0.77	Total	1.97	
33	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids, cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing		2	0.77	Total	1.97	
33	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr		2	0.77	Total	1.97	
33	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids, cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing		2	0.77	Total	1.97	
33	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids, cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments,		2	0.77	Total	1.97	
33	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification		2	0.77	Total	1.97	
33	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids, cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments,		2	0.77	Total	1.97	
33	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids, cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification PWD 18-19,SI No.10.5.1,Pg No 69	Sqm			Total		
33	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids, cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification PWD 18-19,SI No.10.5.1,Pg No 69	Sqm	1	88.00		0.45	677.40 39.60
33	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids, cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification PWD 18-19,SI No.10.5.1,Pg No 69	Sqm			Total 2.99		677.40

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
<u> </u>	Rcc Slab	Sqm	1	17.11	6.11		104.54
	Block 4 Toilet	Sqm	1	16.50		0.45	7.43
	Toilet Slab	Sqm	1	16.00	Area		16.00
		Sqm			Total		241.70
34	Providing and fixing Vitrified glazed tiles of approved make, quality & colour of size 900 x 900 x 12mm thick fixed on bed of 12mm thick cement mortar for flooring, skirting and JOinted with neat cement slurry mixed with pigment to mach shade of tiles, including providing spacers at required interval and removing stains, including cost of all mateirals, mortar, labour, etc., Complete as per specification. (KPWD 18-19,Sl.No.14.45.1)						
	Entry Passage area	Sqm	1.00	218.00	1.72		375.50
	Total Qty	Sqm					375.50
35	KSRRB M300- Planting and Maintaining of Flowering Plants and Shrubs KSRRB M300- 8.1. Planting and Maintaining of Flowering Plants and Shrubs - A) Planting flowring plants and shrubs in central verge MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149						
	Compound wall side	Rmt	1.00	98.00			98.00
	Total Qty	Rmt			Total		98.00
	Total diy						
36	KSRRB M300-Turfing lawns with fine grassing including ploughing, dressing KSRRB M300-5. Turfing lawns with fine grassing including ploughing, dressing including breaking of clods, removal of rubbish, dressing and supplying doobs grass roots at 10 cm apart, including supplying and spreading of farm yard manure at rate of 0.6 cum per 100 sqm complete as per specifications. MORTH Specification No. 307 PWD SOR 18-19,SI No.19.82,Pg No149						
	Back side of the building near stage	Sqm	1.00	81.60	2.50		204.00
	Back side of the School building	Sqm	1.00	11.56	4.50		52.00
	Back side of the School building	Sqm			Total		256.00
		<u> </u>					
37	KSRRB M300- Maintenance of lawns with fine grassing for the first year KSRRB M300-6. Maintenance of lawns with fine grassing for the first year including watering etc complete as per specifications. MORTH Specification No. 307. PWD SOR 18-19,SI No.19.83,Pg No149						
	Back side of the building near stage	Sqm	1.00	81.60	2.50		204.00
	Back side of the School building	Sqm	1.00	11.56	4.50		52.00
	, and the second	Sqm			Total		256.00
38	KSRB 2.9 : Spreading and forming the excavated earth to required level, slope for an average thickness of 75mm. in all classes of soils including breaking clods and tamping manually alround the building and low laying areas complete as per specifications.specification. No. KBS : (KSRB 18-19,Pg No.7,Sl No.2.16)						
	Infront of Stage	Sqm	1.00	27.75	20.00		555.00
	Total Qty	Sqm	1.00	21.10	Total		555.00
	Total Wiy	9411			i Stai		333.00

Executive Engineer MSCL Mangaluru

GM Technical MSCL Mangaluru

MANGALURU SMART CITY 1.4 Rate Analysis of E-SMART SCHOOL

RATE ANALYSIS - BASTHIGARDEN

	PWD 18-19,Page No 138,SI No.18.10)			
	Basic rate		25755	
	Sub Total		25755	
	Add 10% For area weightage		2575.50	
	Total	Rate	28330.50	
2	KSRB 24-9: Cleaning and washing of stone labour, complete as per specifications. Speci (Page No 130,SI No: 16.4)		acid including o	cost of mater
	Basic rate		5.00	
	Sub Total		5.00	
	Add 10% For area weightage		0.50	
	Total	Rate		Sqm
	Danis vata			
	(KPWD 18-19,Page No 384,SI No : 42.5.3)			
			2201	
	Basic rate Sub Total		3391 3391	
	Sub Total		3391	
		Rate		
4	Sub Total Add 10% For area weightage	plaster in single coat with ceme corners wherever required smoo	3391 339.10 3730.10 ent mortar 1:4, toth rendering, : F	o stone mase
4	Sub Total Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cement and concrete surface including rounding off removing scaffolding, including cost of mater PWD 18-19,SI No.15.19,Pg No 116	plaster in single coat with ceme corners wherever required smoo	3391 339.10 3730.10 ent mortar 1:4, t oth rendering, : I per specificatio	o stone mase
4	Sub Total Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cement and concrete surface including rounding off or removing scaffolding, including cost of mater	plaster in single coat with ceme corners wherever required smoo	3391 339.10 3730.10 ent mortar 1:4, toth rendering, : For per specification	o stone mase Providing and ns.
4	Sub Total Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cement and concrete surface including rounding off cremoving scaffolding, including cost of mater PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total	plaster in single coat with ceme corners wherever required smoo	3391 339.10 3730.10 ent mortar 1:4, t oth rendering, : I per specificatio	o stone mase Providing and ns.
4	Sub Total Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cement and concrete surface including rounding off removing scaffolding, including cost of mater PWD 18-19,SI No.15.19,Pg No 116 Basic rate	plaster in single coat with ceme corners wherever required smoo	3391 339.10 3730.10 ent mortar 1:4, toth rendering, : For per specification 273 273	o stone mase Providing and ns.
4	Sub Total Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cement and concrete surface including rounding off or removing scaffolding, including cost of mater PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1 : Providing and finishing externormal brand and shade to give an even shade after powdered material, free from mortar drops and per specifications. - do - with Primer	plaster in single coat with cemesorners wherever required smootials, labour, curing complete as Rate rnal walls in two coats with water throughly brooming the surface	3391 339.10 3730.10 ent mortar 1:4, toth rendering, : For per specification 273 273 27.30 300.30 rproof cement per to remove all contact and an aterials, labour	o stone mase Providing and ns. Sqm aint of approdirt and loose c, complete a
	Sub Total Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cement and concrete surface including rounding off cremoving scaffolding, including cost of mater PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1 : Providing and finishing externorm brand and shade to give an even shade after powdered material, free from mortar drops and per specifications. - do - with Primer Basic Rate	plaster in single coat with cemesorners wherever required smootials, labour, curing complete as Rate rnal walls in two coats with water throughly brooming the surface	3391 339.10 3730.10 ent mortar 1:4, toth rendering, : Ferror per specification 273 273 27.30 300.30 rproof cement per to remove all conaterials, labour	o stone mase Providing and ns. Sqm aint of approdirt and loose c, complete a
	Sub Total Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cement and concrete surface including rounding off or removing scaffolding, including cost of mater PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1 : Providing and finishing externormal brand and shade to give an even shade after powdered material, free from mortar drops and per specifications. - do - with Primer	plaster in single coat with cemesorners wherever required smootials, labour, curing complete as Rate rnal walls in two coats with water throughly brooming the surface	3391 339.10 3730.10 ent mortar 1:4, toth rendering, : For per specification 273 273 27.30 300.30 rproof cement per to remove all contact and an aterials, labour	o stone mase Providing and ns. Sqm aint of approdirt and loose r, complete a

9	KSRB 15-18.3 : Providing and applying enam painted steel or other metal surface brushing foreign matter, including cost of materials, lab PWD 18-19,SI No.15.75,Pg No 123 Basic Rate Sub Total Add 10% For Area weightage Total KSRB 2-2.1 : Earthwork excavation for foundary conduits either in pits or in trenches 1.5m and including dressing the bottom and sides of pit of excavation with lead upto 50 m. after break KBS 2.1(a) / 2.3.5 PWD 18-19,SI No.2.3,Pg No 6 Basic Rate Sub Total	el metal paint one coat (excludir to give an even shade after clea our, complete as per specification Rate Rate ation of buildings, water supply, a labove in width, in ordinary soil is and trenches, stacking the exception of	ng priming coat aning oil, grease ons. 61.00 61 6.10 67.10 sanitary lines a not exceeding cavated soil clear	on previously e, dirt and other Sqm and electrical 1.5 m. in depth ar from edges
	KSRB 15-18.3 : Providing and applying enam painted steel or other metal surface brushing foreign matter, including cost of materials, lab PWD 18-19,SI No.15.75,Pg No 123 Basic Rate Sub Total Add 10% For Area weightage Total KSRB 2-2.1 : Earthwork excavation for foundary conduits either in pits or in trenches 1.5m and including dressing the bottom and sides of pit of excavation with lead upto 50 m. after break KBS 2.1(a) / 2.3.5 PWD 18-19,SI No.2.3,Pg No 6	el metal paint one coat (excludir to give an even shade after clea our, complete as per specification Rate Rate ation of buildings, water supply, a labove in width, in ordinary soil is and trenches, stacking the exception of	ng priming coat aning oil, grease ons. 61.00 61 6.10 67.10 sanitary lines a not exceeding cavated soil clear	on previously e, dirt and other Sqm and electrical 1.5 m. in depth ar from edges
	KSRB 15-18.3 : Providing and applying enam painted steel or other metal surface brushing foreign matter, including cost of materials, lab PWD 18-19,SI No.15.75,Pg No 123 Basic Rate Sub Total Add 10% For Area weightage Total KSRB 2-2.1 : Earthwork excavation for foundary conduits either in pits or in trenches 1.5m and including dressing the bottom and sides of pit of excavation with lead upto 50 m. after break KBS 2.1(a) / 2.3.5	el metal paint one coat (excludir to give an even shade after clea our, complete as per specification Rate Rate ation of buildings, water supply, a labove in width, in ordinary soil is and trenches, stacking the exception of	ng priming coat aning oil, grease ons. 61.00 61 6.10 67.10 sanitary lines a not exceeding cavated soil clear	on previously e, dirt and other Sqm and electrical 1.5 m. in depth ar from edges
	KSRB 15-18.3 : Providing and applying enam painted steel or other metal surface brushing foreign matter, including cost of materials, lab PWD 18-19,SI No.15.75,Pg No 123 Basic Rate Sub Total Add 10% For Area weightage Total KSRB 2-2.1 : Earthwork excavation for foundation conduits either in pits or in trenches 1.5m and	el metal paint one coat (excludir to give an even shade after clear our, complete as per specification Rate ation of buildings, water supply, above in width, in ordinary soil	ng priming coat aning oil, grease ons. 61.00 61 6.10 67.10 sanitary lines a not exceeding) on previously e, dirt and other Sqm and electrical 1.5 m. in depth
9	KSRB 15-18.3 : Providing and applying enam painted steel or other metal surface brushing foreign matter, including cost of materials, lab PWD 18-19,SI No.15.75,Pg No 123 Basic Rate Sub Total Add 10% For Area weightage Total KSRB 2-2.1 : Earthwork excavation for foundations and supplying enam painted by the surface brushing enam painted by the surface brushing enam painted by the surface brushing enam painted by the surface brushing enam painted by the surface brushing enam painted by the surface brushing enam painted by the surface brushing enam painted by the surface brushing enam painted by the surface brushing for eight enam painted by the surface brushing enam painted by the surface brushing enam painted by the surface brushing for eight enam painted by the su	el metal paint one coat (excludir to give an even shade after clea our, complete as per specification Rate	ng priming coat aning oil, grease ons. 61.00 61 6.10 67.10 sanitary lines a) on previously e, dirt and other Sqm
9	KSRB 15-18.3 : Providing and applying enam painted steel or other metal surface brushing foreign matter, including cost of materials, lab PWD 18-19,SI No.15.75,Pg No 123 Basic Rate Sub Total Add 10% For Area weightage Total	el metal paint one coat (excludir to give an even shade after clea our, complete as per specification	ng priming coat aning oil, grease ons. 61.00 61 6.10 67.10) on previously e, dirt and other
9	KSRB 15-18.3 : Providing and applying enam painted steel or other metal surface brushing foreign matter, including cost of materials, lab PWD 18-19,SI No.15.75,Pg No 123 Basic Rate Sub Total Add 10% For Area weightage	el metal paint one coat (excludir to give an even shade after clea our, complete as per specification	ng priming coat aning oil, grease ons. 61.00 61 6.10) on previously e, dirt and other
9	KSRB 15-18.3 : Providing and applying enam painted steel or other metal surface brushing foreign matter, including cost of materials, lab PWD 18-19,SI No.15.75,Pg No 123 Basic Rate Sub Total Add 10% For Area weightage	el metal paint one coat (excludir to give an even shade after clea our, complete as per specification	ng priming coat aning oil, grease ons. 61.00 61 6.10) on previously e, dirt and other
9	KSRB 15-18.3 : Providing and applying enam painted steel or other metal surface brushing foreign matter, including cost of materials, lab PWD 18-19,SI No.15.75,Pg No 123 Basic Rate Sub Total	el metal paint one coat (excludir to give an even shade after clea	ng priming coat aning oil, grease ons. 61.00) on previously
9	KSRB 15-18.3 : Providing and applying enam painted steel or other metal surface brushing foreign matter, including cost of materials, lab PWD 18-19,SI No.15.75,Pg No 123 Basic Rate	el metal paint one coat (excludir to give an even shade after clea	ng priming coat aning oil, grease ons.) on previously
9	KSRB 15-18.3 : Providing and applying enam painted steel or other metal surface brushing foreign matter, including cost of materials, lab PWD 18-19,SI No.15.75,Pg No 123	el metal paint one coat (excludir to give an even shade after clea	ng priming coat aning oil, grease ons.) on previously
	KSRB 15-18.3 : Providing and applying enam	el metal paint one coat (excludir	ng priming coat) on previously
	Total		0.55	<u>L</u>
	Total	Rate	0.39	
	Add 10% For Area weightage		0.04	
	Sub Total		0.35	
	Basic Rate		0.35	
8	Cleaning RCC sump tanks and RCC overhear sludge, mud, dirt, algea etc and cleaning the variety and spraying anti-bacterial treatment to the vof sludge etc, using suitable coconut broomst plastic buckets, mugs, dewatering using motorall safety measures. (KPWD 18-19,SI No.10.7)	wall surface of tanks using high vall and ceiling surfaces and U\ ick, squeesers I wipers I rubber	pressure jet, va / treatment, inc · brushes, coir	cuum cleaning luding removing brushes,
		-	•	
	Total	Rate	0.77	Cm
	Add 10% For Area weightage		0.07	
	Sub Total		0.7	
	Basic Rate		0.70	
7	KSRRB MS00-10 Painting new letter and fig other approved colour to give an even shade Hyphen and the like not to be measured and MORTH Specification No.801 (KSRRB 18-19,SI No.24.10)	complete as per specifications.	•	•
		•		-
	Total	Rate	374.00	Sqm
	Add 10% For Area weightage		34.00	
	Basic Rate Sub Total		340.00 340	
	· · · · · · · · · · · · · · · · · · ·	<u> </u>	240.00	
	(KPWD 18-19,SI No.15.103)			
	complete as per specifications.			
	complete as per specifications.			

11	KSRB 4-1.6; Providing and laying in position plain 20mm and down size graded granite metal coarse 0.53cum, machine mixed, concrete laid in layers not foundation, plinth and cills, including cost of all material specifications. Specification No. KBS 4.1, 4.2 PWD 18-19,SI No.4.6,Pg No 13	aggregates @ 0.878 cur ot exceeding 15 ems. thic	m and fine aggregte ck, well compacted,	es @
	Basic Rate		5900.00	
	Sub Total		5900	
	add 10% For Area weightage		590.00	
	Total	Rate	6490.00 Cu	um
12	Providing and laying in position reinforced cement 340kgs, with 20mm and down size graded granite @ 0.47cum, with super plasticisers @ 3 liters confinited, concrete laid in layers not exceeding 15 cm pedestrals, retaining walls, returnwalls, walls (any transposts, struts, buttresses, bed blocks, anchor blocks of machinery, curing, complete but excluding cost of PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total add 10% For Area weightage	metal coarse aggregates orming to IS 9103-1999 reals thick, vibrated for all wothickness) including attacts & plinths etc including c	@0.70 cum and fir eafirmed-2008 at morks in foundation for hed pilasters, coluntost of all materials, pecifications. 6198.00 6198 619.80	ne aggregates nachine or footings, nnspillars, labour, HOM
13	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requimembers wherever necessary complete as per decost of materials, labour, HOM of machinery comp directinon of Engineer-in-Charge. FE 500	ired, tying with binding wir sign (laps and wastage sh	re and anchoring to nall not be measure	oking, placing the adjoining ed and paid)
13	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requimembers wherever necessary complete as per decost of materials, labour, HOM of machinery compdirectinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18	including straightening, c ired, tying with binding wir sign (laps and wastage sh	utting, bending, hore re and anchoring to hall not be measure as per specification	oking, placing the adjoining ed and paid)
13	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requimembers wherever necessary complete as per decost of materials, labour, HOM of machinery comp directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate	including straightening, c ired, tying with binding wir sign (laps and wastage sh	eutting, bending, hore and anchoring to hall not be measure as per specification	oking, placing the adjoining ed and paid)
13	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requimembers wherever necessary complete as per decost of materials, labour, HOM of machinery comp directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total	including straightening, c ired, tying with binding wir sign (laps and wastage sh	rutting, bending, hore and anchoring to hall not be measure as per specification 70782.00	oking, placing the adjoining ed and paid)
13	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requimembers wherever necessary complete as per decost of materials, labour, HOM of machinery comp directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage	including straightening, c ired, tying with binding wir sign (laps and wastage sh lete with all lead lifts and	rutting, bending, hore and anchoring to hall not be measure as per specification 70782.00 70782 7078.20	oking, placing the adjoining ed and paid) ns and
13	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requimembers wherever necessary complete as per decost of materials, labour, HOM of machinery comp directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total	including straightening, c ired, tying with binding wir sign (laps and wastage sh	rutting, bending, hore and anchoring to hall not be measure as per specification 70782.00	oking, placing the adjoining ed and paid) ns and
13	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requimembers wherever necessary complete as per decost of materials, labour, HOM of machinery comp directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage	including straightening, c ired, tying with binding wir sign (laps and wastage shelete with all lead lifts and shelete with all lead lifts and Rate	rutting, bending, hore and anchoring to hall not be measure as per specification 70782.00 70782 7078.20 77860.20 Miles	oking, placing the adjoining ed and paid) ns and T
	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requimembers wherever necessary complete as per decost of materials, labour, HOM of machinery compidirectinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing, centering, shuttering, struttoundations, footings, bases of columns for mass of as per specifications PWD 18-19,SI No.4.28,Pg No 16 Basic Rate Sub Total add 10% For Area weightage	including straightening, c ired, tying with binding wir sign (laps and wastage shelete with all lead lifts and shelete with all lead lifts and Rate	re and anchoring to hall not be measure as per specification 70782.00 70782 7078.20 77860.20 Milemoval of form work all materials, labout 263.00	oking, placing the adjoining ed and paid) ns and T
	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requimembers wherever necessary complete as per decost of materials, labour, HOM of machinery compidirectinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing, centering, shuttering, strutted foundations, footings, bases of columns for mass of as per specifications PWD 18-19,SI No.4.28,Pg No 16 Basic Rate Sub Total	including straightening, c ired, tying with binding wir sign (laps and wastage shelete with all lead lifts and shelete with all lead lifts and Rate	re and anchoring to hall not be measured as per specification 70782.00 70782 7078.20 77860.20 Million all materials, labout 263.00 263	oking, placing the adjoining ed and paid) ns and T k for ur complete
	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requiremembers wherever necessary complete as per decost of materials, labour, HOM of machinery complete directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing,centering, shuttering, strutted foundations, footings, bases of columns for mass of as per specifications PWD 18-19,SI No.4.28,Pg No 16 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing centering, shuttering, strutted surface such as walls at any thickness, including a cost of all materials, labour complete as per specifications pwD 18-19,SI No.4.31,Pg No 16	including straightening, coired, tying with binding wiresign (laps and wastage shalete with all lead lifts and shalete with al	re and anchoring to hall not be measure as per specification 70782.00 70782 7078.20 77860.20 Mile and affective as per specification 70782 7078.20 707	oking, placing the adjoining ed and paid) as and T k for the complete com
14	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requimembers wherever necessary complete as per decost of materials, labour, HOM of machinery compidirectinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing,centering, shuttering, strut foundations, footings, bases of columns for mass of as per specifications PWD 18-19,SI No.4.28,Pg No 16 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing centering, shuttering, strut surface such as walls at any thickness, including a cost of all materials, labour complete as per specific PWD 18-19,SI No.4.31,Pg No 16 Basic Rate	including straightening, coired, tying with binding wiresign (laps and wastage shalete with all lead lifts and shalete with al	re and anchoring to hall not be measure as per specification 70782.00 70782 7078.20 77860.20 Mile and of form work all materials, labout 263.00 263 26.30 289.30 Screen was plinth cills and sees plin	oking, placing the adjoining ed and paid) as and T k for the complete com
14	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requimembers wherever necessary complete as per decost of materials, labour, HOM of machinery compidirectinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing,centering, shuttering, strut foundations, footings, bases of columns for mass of as per specifications PWD 18-19,SI No.4.28,Pg No 16 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing centering, shuttering, strut surface such as walls at any thickness, including a cost of all materials, labour complete as per specifications PWD 18-19,SI No.4.31,Pg No 16 Basic Rate Sub Total	including straightening, coired, tying with binding wiresign (laps and wastage shalete with all lead lifts and shalete with al	re and anchoring to hall not be measure as per specification 70782.00 70782 7078.20 77860.20 Milemoval of form work all materials, labout 263.00 263 26.30 289.30 Screen was plinth cills and significant and	oking, placing the adjoining ed and paid) as and T k for the complete com
14	Providing TMT steel reinforcement for R.C.C work in position, lapping and / or welding wherever requimembers wherever necessary complete as per decost of materials, labour, HOM of machinery compidirectinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing,centering, shuttering, strut foundations, footings, bases of columns for mass of as per specifications PWD 18-19,SI No.4.28,Pg No 16 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing centering, shuttering, strut surface such as walls at any thickness, including a cost of all materials, labour complete as per specific PWD 18-19,SI No.4.31,Pg No 16 Basic Rate	including straightening, coired, tying with binding wiresign (laps and wastage shalete with all lead lifts and shalete with al	re and anchoring to hall not be measure as per specification 70782.00 70782 7078.20 77860.20 Mile and of form work all materials, labout 263.00 263 26.30 289.30 Screen was plinth cills and sees plin	oking, placing the adjoining ed and paid) as and T k for the complete com

structure with slope of 1V:20H toward complete as per specifications. PWD 18-19,SI No.28.10,Pg No 229 Basic Rate Sub Total add 10% For Area weightage Total KSRB 2-4: Refilling available earth a compacting each deposited layer by including cost of all labour complete PWD 18-19,SI No.2.11,Pg No 7 Basic Rate Sub Total add 10% For Area weightage Total Providing and fixing unplasticised F making good the floor, including cost specifications. KSRB 18-19,Pg No.77,SI No.11.56.2 do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x)	Rate PVC pipes with working pressure 10 st of all materials, labour charges, HO Rate Rate 325mm) for road gully cover including d faces curing for 90 days with all lead	147.00 147 14.70 161.70 Nos exceeding 20cms in depth 50m. and lift upto 1.5 m. 120.00 120 120 12.00 12.00 Cum kg/sq.cm with pipe fittings M and testing complete and complet	h,
complete as per specifications. PWD 18-19,SI No.28.10,Pg No 229 Basic Rate Sub Total add 10% For Area weightage Total KSRB 2-4 : Refilling available earth a compacting each deposited layer by including cost of all labour complete PWD 18-19,SI No.2.11,Pg No 7 Basic Rate Sub Total add 10% For Area weightage Total Providing and fixing unplasticised F making good the floor, including cost specifications. KSRB 18-19,Pg No.77,SI No.11.56.2 do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x Plastering 20mm thick to all exposed excluding cost of concrete etc,compl (As Per EOI) Basic Rate Sub Total	Rate around pipe lines, cables in layers not a ramming after watering with lead upto as per specifications. Rate PVC pipes with working pressure 10 st of all materials, labour charges, HO Rate Rate 325mm) for road gully cover including d faces curing for 90 days with all lead	147.00 147 14.70 161.70 Nos exceeding 20cms in depth o 50m. and lift upto 1.5 m. 120.00 120 12.00 132.00 Cum kg/sq.cm with pipe fittings 0M and testing complete a	h, s, clip as per
PWD 18-19,SI No.28.10,Pg No 229 Basic Rate Sub Total add 10% For Area weightage Total KSRB 2-4 : Refilling available earth a compacting each deposited layer by including cost of all labour complete PWD 18-19,SI No.2.11,Pg No 7 Basic Rate Sub Total add 10% For Area weightage Total Providing and fixing unplasticised F making good the floor, including cost specifications. KSRB 18-19,Pg No.77,SI No.11.56.2 do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x Plastering 20mm thick to all exposed excluding cost of concrete etc,comple (As Per EOI) Basic Rate Sub Total Basic Rate Sub Total	Rate PVC pipes with working pressure 10 st of all materials, labour charges, HC Rate Rate PVC pipes with working pressure 10 st of all materials, labour charges, HC Rate Rate	147 14.70 161.70 Nos exceeding 20cms in depth o 50m. and lift upto 1.5 m. 120.00 120 12.00 132.00 Cum kg/sq.cm with pipe fittings 0M and testing complete a 606.00 606 60.60 666.60 Rmt	s, clip as per
Basic Rate Sub Total add 10% For Area weightage Total KSRB 2-4 : Refilling available earth a compacting each deposited layer by including cost of all labour complete PWD 18-19,SI No.2.11,Pg No 7 Basic Rate Sub Total add 10% For Area weightage Total Providing and fixing unplasticised F making good the floor, including cost specifications. KSRB 18-19,Pg No.77,SI No.11.56.2 do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x Plastering 20mm thick to all exposed excluding cost of concrete etc,compling (As Per EOI) Basic Rate Sub Total Basic Rate Sub Total	Rate PVC pipes with working pressure 10 st of all materials, labour charges, HC Rate Rate PVC pipes with working pressure 10 st of all materials, labour charges, HC Rate Rate	147 14.70 161.70 Nos exceeding 20cms in depth o 50m. and lift upto 1.5 m. 120.00 120 12.00 132.00 Cum kg/sq.cm with pipe fittings 0M and testing complete a 606.00 606 60.60 666.60 Rmt	s, clip as per
Sub Total add 10% For Area weightage Total KSRB 2-4 : Refilling available earth a compacting each deposited layer by including cost of all labour complete PWD 18-19,SI No.2.11,Pg No 7 Basic Rate Sub Total add 10% For Area weightage Total Providing and fixing unplasticised F making good the floor, including cost specifications. KSRB 18-19,Pg No.77,SI No.11.56.2 do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x Plastering 20mm thick to all exposed excluding cost of concrete etc,compli(As Per EOI) Basic Rate Sub Total Basic Rate Sub Total	Rate PVC pipes with working pressure 10 st of all materials, labour charges, HC Rate Rate PVC pipes with working pressure 10 st of all materials, labour charges, HC Rate Rate	147 14.70 161.70 Nos exceeding 20cms in depth o 50m. and lift upto 1.5 m. 120.00 120 12.00 132.00 Cum kg/sq.cm with pipe fittings 0M and testing complete a 606.00 606 60.60 666.60 Rmt	s, clip as per
Add 10% For Area weightage Total KSRB 2-4 : Refilling available earth a compacting each deposited layer by including cost of all labour complete PWD 18-19,SI No.2.11,Pg No 7 Basic Rate Sub Total add 10% For Area weightage Total Providing and fixing unplasticised F making good the floor, including cost specifications. KSRB 18-19,Pg No.77,SI No.11.56.2 do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x Plastering 20mm thick to all exposed excluding cost of concrete etc,compling (As Per EOI) Basic Rate Sub Total	Rate PVC pipes with working pressure 10 st of all materials, labour charges, HC Rate Rate PVC pipes with working pressure 10 st of all materials, labour charges, HC Rate Rate	14.70 161.70 Nos exceeding 20cms in depth 50m. and lift upto 1.5 m. 120.00 120 12.00 132.00 Cum kg/sq.cm with pipe fittings 0M and testing complete and 606.00 606 60.60 666.60 Rmt	s, clip as per
KSRB 2-4 : Refilling available earth a compacting each deposited layer by including cost of all labour complete PWD 18-19,SI No.2.11,Pg No 7 Basic Rate Sub Total add 10% For Area weightage Total Providing and fixing unplasticised F making good the floor, including cost specifications. KSRB 18-19,Pg No.77,SI No.11.56.2 do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x Plastering 20mm thick to all exposed excluding cost of concrete etc,compl (As Per EOI) Basic Rate Sub Total	Rate PVC pipes with working pressure 10 st of all materials, labour charges, HC Rate Rate PVC pipes with working pressure 10 st of all materials, labour charges, HC Rate Rate	exceeding 20cms in depth 50m. and lift upto 1.5 m. 120.00 120 12.00 132.00 Cum kg/sq.cm with pipe fittings 0M and testing complete and 606.00 606 60.60 666.60 Rmt	s, clip as per
KSRB 2-4 : Refilling available earth a compacting each deposited layer by including cost of all labour complete PWD 18-19,SI No.2.11,Pg No 7 Basic Rate Sub Total add 10% For Area weightage Total Providing and fixing unplasticised F making good the floor, including cost specifications. KSRB 18-19,Pg No.77,SI No.11.56.2 do- with 110mm outer dia Basic Rate Sub Total Providing & Fixing CI Grating (325 x Plastering 20mm thick to all exposed excluding cost of concrete etc,compl (As Per EOI) Basic Rate Sub Total Basic Rate Sub Total	Rate PVC pipes with working pressure 10 st of all materials, labour charges, HC Rate Rate PVC pipes with working pressure 10 st of all materials, labour charges, HC Rate Rate	exceeding 20cms in depth 50m. and lift upto 1.5 m. 120.00 120 12.00 132.00 Cum kg/sq.cm with pipe fittings 0M and testing complete and 606.00 606 60.60 666.60 Rmt	s, clip as per
compacting each deposited layer by including cost of all labour complete PWD 18-19,SI No.2.11,Pg No 7 Basic Rate Sub Total add 10% For Area weightage Total Providing and fixing unplasticised F making good the floor, including cost specifications. KSRB 18-19,Pg No.77,SI No.11.56.2 do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x Plastering 20mm thick to all exposed excluding cost of concrete etc,compl (As Per EOI) Basic Rate Sub Total	Rate PVC pipes with working pressure 10 st of all materials, labour charges, HC Rate Rate 2 Rate Rate	120.00 120 120 120 12.00 132.00 Cum kg/sq.cm with pipe fittings 0M and testing complete a 606.00 606 60.60 666.60 Rmt	s, clip as per
compacting each deposited layer by including cost of all labour complete PWD 18-19,SI No.2.11,Pg No 7 Basic Rate Sub Total add 10% For Area weightage Total Providing and fixing unplasticised F making good the floor, including cost specifications. KSRB 18-19,Pg No.77,SI No.11.56.2 do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x Plastering 20mm thick to all exposed excluding cost of concrete etc,compl (As Per EOI) Basic Rate Sub Total	Rate PVC pipes with working pressure 10 st of all materials, labour charges, HC Rate Rate 2 Rate Rate	120.00 120 120 120 12.00 132.00 Cum kg/sq.cm with pipe fittings 0M and testing complete a 606.00 606 60.60 666.60 Rmt	s, clip as per
including cost of all labour complete PWD 18-19,SI No.2.11,Pg No 7 Basic Rate Sub Total add 10% For Area weightage Total Providing and fixing unplasticised F making good the floor, including cos specifications. KSRB 18-19,Pg No.77,SI No.11.56.2 do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x Plastering 20mm thick to all exposed excluding cost of concrete etc,compl (As Per EOI) Basic Rate Sub Total	Rate PVC pipes with working pressure 10 st of all materials, labour charges, HC Rate Rate 325mm) for road gully cover including d faces curing for 90 days with all lead	120.00 120 12.00 132.00 Cum kg/sq.cm with pipe fittings 0M and testing complete a 606.00 606 60.60 666.60 Rmt	as per
PWD 18-19,SI No.2.11,Pg No 7 Basic Rate Sub Total add 10% For Area weightage Total Providing and fixing unplasticised F making good the floor, including cosspecifications. KSRB 18-19,Pg No.77,SI No.11.56.2 do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x Plastering 20mm thick to all exposed excluding cost of concrete etc,compl (As Per EOI) Basic Rate Sub Total	Rate PVC pipes with working pressure 10 st of all materials, labour charges, HO Rate Rate 325mm) for road gully cover including d faces curing for 90 days with all lead	120 12.00 132.00 Cum kg/sq.cm with pipe fittings OM and testing complete a 606.00 606 60.60 666.60 Rmt	as per
Basic Rate Sub Total add 10% For Area weightage Total Providing and fixing unplasticised For making good the floor, including costs specifications. KSRB 18-19,Pg No.77,SI No.11.56.20 do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x Plastering 20mm thick to all exposed excluding cost of concrete etc,complete (As Per EOI) Basic Rate Sub Total	PVC pipes with working pressure 10 st of all materials, labour charges, HC 2 Rate 325mm) for road gully cover including d faces curing for 90 days with all lead	120 12.00 132.00 Cum kg/sq.cm with pipe fittings OM and testing complete a 606.00 606 60.60 666.60 Rmt	as per
Sub Total add 10% For Area weightage Total Providing and fixing unplasticised For making good the floor, including cossisted specifications. KSRB 18-19,Pg No.77,SI No.11.56.2 do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x Plastering 20mm thick to all exposed excluding cost of concrete etc,complete (As Per EOI) Basic Rate Sub Total	PVC pipes with working pressure 10 st of all materials, labour charges, HC 2 Rate 325mm) for road gully cover including d faces curing for 90 days with all lead	120 12.00 132.00 Cum kg/sq.cm with pipe fittings OM and testing complete a 606.00 606 60.60 666.60 Rmt	as per
add 10% For Area weightage Total Providing and fixing unplasticised For making good the floor, including cossispecifications. KSRB 18-19,Pg No.77,SI No.11.56.2 do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x Plastering 20mm thick to all exposed excluding cost of concrete etc,complete (As Per EOI) Basic Rate Sub Total	PVC pipes with working pressure 10 st of all materials, labour charges, HC 2 Rate 325mm) for road gully cover including d faces curing for 90 days with all lead	12.00 132.00 Cum kg/sq.cm with pipe fittings DM and testing complete a 606.00 606 60.60 666.60 Rmt	as per
Providing and fixing unplasticised F making good the floor, including cosspecifications. KSRB 18-19,Pg No.77,Sl No.11.56.2 do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing Cl Grating (325 x Plastering 20mm thick to all exposed excluding cost of concrete etc,compl (As Per EOI) Basic Rate Sub Total	PVC pipes with working pressure 10 st of all materials, labour charges, HC 2 Rate 325mm) for road gully cover including d faces curing for 90 days with all lead	kg/sq.cm with pipe fittings OM and testing complete a 606.00 606 60.60 666.60 Rmt	as per
Providing and fixing unplasticised F making good the floor, including cos specifications. KSRB 18-19,Pg No.77,Sl No.11.56.2 do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x Plastering 20mm thick to all exposed excluding cost of concrete etc,compl (As Per EOI) Basic Rate Sub Total	PVC pipes with working pressure 10 st of all materials, labour charges, HC 2 Rate 325mm) for road gully cover including d faces curing for 90 days with all lead	kg/sq.cm with pipe fittings OM and testing complete a 606.00 606 60.60 666.60 Rmt	as per
making good the floor, including cos specifications. KSRB 18-19,Pg No.77,Sl No.11.56.2 do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing Cl Grating (325 x Plastering 20mm thick to all exposed excluding cost of concrete etc,compl (As Per EOI) Basic Rate Sub Total	Rate 325mm) for road gully cover including d faces curing for 90 days with all lead	606.00 606 60.60 666.60 Rmt	as per
making good the floor, including cos specifications. KSRB 18-19,Pg No.77,Sl No.11.56.2 do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing Cl Grating (325 x Plastering 20mm thick to all exposed excluding cost of concrete etc,compl (As Per EOI) Basic Rate Sub Total	Rate 325mm) for road gully cover including d faces curing for 90 days with all lead	606.00 606 60.60 666.60 Rmt	as per
specifications. KSRB 18-19,Pg No.77,Sl No.11.56.2 do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x Plastering 20mm thick to all exposed excluding cost of concrete etc,compl (As Per EOI) Basic Rate Sub Total	Rate 325mm) for road gully cover including d faces curing for 90 days with all lead	606.00 606 60.60 666.60 Rmt	1:3
do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x Plastering 20mm thick to all exposed excluding cost of concrete etc,compl (As Per EOI) Basic Rate Sub Total	Rate 325mm) for road gully cover including d faces curing for 90 days with all lead	606 60.60 666.60 Rmt	
do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x Plastering 20mm thick to all exposed excluding cost of concrete etc,compl (As Per EOI) Basic Rate Sub Total	Rate 325mm) for road gully cover including d faces curing for 90 days with all lead	606 60.60 666.60 Rmt	
Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x Plastering 20mm thick to all exposed excluding cost of concrete etc,compl (As Per EOI) Basic Rate Sub Total	325mm) for road gully cover including d faces curing for 90 days with all lead	606 60.60 666.60 Rmt	
Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x Plastering 20mm thick to all exposed excluding cost of concrete etc,compl (As Per EOI) Basic Rate Sub Total	325mm) for road gully cover including d faces curing for 90 days with all lead	606 60.60 666.60 Rmt	
add 10% For Area weightage Total Providing & Fixing CI Grating (325 x Plastering 20mm thick to all exposed excluding cost of concrete etc,compl (As Per EOI) Basic Rate Sub Total	325mm) for road gully cover including d faces curing for 90 days with all lead	60.60 Rmt	
Providing & Fixing CI Grating (325 x Plastering 20mm thick to all exposed excluding cost of concrete etc,compl (As Per EOI) Basic Rate Sub Total	325mm) for road gully cover including d faces curing for 90 days with all lead	666.60 Rmt	
Providing & Fixing CI Grating (325 x Plastering 20mm thick to all exposed excluding cost of concrete etc,compl (As Per EOI) Basic Rate Sub Total	325mm) for road gully cover including d faces curing for 90 days with all lead	fixing the cover and CM	
Plastering 20mm thick to all exposed excluding cost of concrete etc,compl (As Per EOI) Basic Rate Sub Total	d faces curing for 90 days with all lead		
Sub Total			
		893.00	
Total		893	
	Rate	893.00 Each	
	·	•	
KSRB 24-44 : Repairs to plaster in p	atches of 2.5 sqm and less in walls, co	eilings 10 to 20mm thick ir	n
cement mortar 1:4 including cutting t	the patches in proper shape and replas	stering the surface of the	wall
20 including disposal of rubbish with a le	ead of 50m including curing cost of ma	aterials, labour, complete a	as pei
specifications. Specification No.KBS	24.2.1		
PWD 18-19,SI No.16.39,Pg No 133			
Basic Rate		277	
Sub Total		277	
Add 10% For Area weightage		27.70	
Total	Rate	304.70 Sqm	
	- Nato	30 0 04	
Providing and fixing Special make di	azed Vitrified tiles (Granomite finish) o	of approved make quality	and
colour of size 600x600x10mm thick f	fixed on existing flooring with a special	• • • • • • • • • • • • • • • • • • • •	
·/1 I	riding spears at required interval and re	-	۰۵
(P.No. 109, I.No. 14.43 of SR 2018-1	• .	J.a J.o	olete
Basic Rate	-,	1000 001	olete.
Sub Total	l	1320 001	olete.
Add 10% For Area weightage		1320.00	olete.
		1320.00 1320 132.00	olete.

	Providing and laying of teak wooden polished and design with end trims, transition, profile			
22	4mm thick foam underlay etc.,	ss, beauting, 15mm thick telt, and	120 microm polyester min	vvitii
	(P.No.113, I.No.14.70 of PWD SR 2018-19))		
	Basic Rate	, 	4800.00	
	Sub Total		4800	
	Add 10% For Area weightage		480.00	
	Total	Rate	5280.00 Sqm	
		•	, .	
	KSRB 14.14-5: Providing Ceramic tiles of a	pproved make,shade and size fo	or flooring, treads of steps	and
	landings laid on a bed of 12mm thick, ceme	ent mortar 1:3 mix, flush pointing	with white cement using of	colo
23	pigment, including cost of materials, labour	r, curing, complete as per specifi	cations for Ceramic Tile	es of
	size 30x30cms 6mm thick.			
	PWD 18-19,SI No.14.36.2,Pg No.107 and 1	108		
	Basic Rate		1211.00	
	Sub Total		1211	
	Add 10% For Area weightage		121.10	
	Total	Rate	1332.10 Sqm	
24	ruby red granite @ 66%,20 mm thick grey g granite materials are laid on existing bed of rounding for nosing, flaming the ruby red granite.	CM 1:3 20mm thick pointed with anite for 50 mm wide curing etc.	nm thick black granite 14% n colour pigment, including	%. Th g full
24	ruby red granite @ 66%,20 mm thick grey g granite materials are laid on existing bed of	granite @ 20%, 20mm thick, 20m CM 1:3 20mm thick pointed with anite for 50 mm wide curing etc.	nm thick black granite 14% n colour pigment, including	%. TI g ful
24	ruby red granite @ 66%,20 mm thick grey g granite materials are laid on existing bed of rounding for nosing, flaming the ruby red granite.	granite @ 20%, 20mm thick, 20m CM 1:3 20mm thick pointed with anite for 50 mm wide curing etc.	nm thick black granite 14% n colour pigment, including	%. TI g ful
24	ruby red granite @ 66%,20 mm thick grey g granite materials are laid on existing bed of rounding for nosing, flaming the ruby red gra (P.No. 109, I.No. 14.46 of PWD SR 2018-19	granite @ 20%, 20mm thick, 20m CM 1:3 20mm thick pointed with anite for 50 mm wide curing etc.	nm thick black granite 14% n colour pigment, including , complete as per specific	%. TI g ful
24	ruby red granite @ 66%,20 mm thick grey g granite materials are laid on existing bed of rounding for nosing, flaming the ruby red gr. (P.No. 109, I.No. 14.46 of PWD SR 2018-19). Basic Rate	granite @ 20%, 20mm thick, 20m CM 1:3 20mm thick pointed with anite for 50 mm wide curing etc. 9)	nm thick black granite 14% colour pigment, including complete as per specific 7195.00 7195 719.50	%. T∣ g ful
24	ruby red granite @ 66%,20 mm thick grey g granite materials are laid on existing bed of rounding for nosing, flaming the ruby red gra (P.No. 109, I.No. 14.46 of PWD SR 2018-19 Basic Rate Sub Total	granite @ 20%, 20mm thick, 20m CM 1:3 20mm thick pointed with anite for 50 mm wide curing etc.	nm thick black granite 14% colour pigment, including complete as per specific 7195.00	%. TI g ful
24	ruby red granite @ 66%,20 mm thick grey g granite materials are laid on existing bed of rounding for nosing, flaming the ruby red gra (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total	granite @ 20%, 20mm thick, 20m CM 1:3 20mm thick pointed with anite for 50 mm wide curing etc. 9) Rate	nm thick black granite 14% colour pigment, including complete as per specific 7195.00 7195 719.50 7914.50 Sqm	%. T∣ g ful
24	ruby red granite @ 66%,20 mm thick grey g granite materials are laid on existing bed of rounding for nosing, flaming the ruby red gra (P.No. 109, I.No. 14.46 of PWD SR 2018-19 Basic Rate Sub Total Add 10% For Area weightage	granite @ 20%, 20mm thick, 20m CM 1:3 20mm thick pointed with anite for 50 mm wide curing etc. 9) Rate	nm thick black granite 14% colour pigment, including complete as per specific 7195.00 7195 719.50 7914.50 Sqm	%. T g ful
	ruby red granite @ 66%,20 mm thick grey g granite materials are laid on existing bed of rounding for nosing, flaming the ruby red gr. (P.No. 109, I.No. 14.46 of PWD SR 2018-19. Basic Rate Sub Total Add 10% For Area weightage Total Repairing door and window frames with ava PWD 18-19,SI No.37.12,Pg No 267	granite @ 20%, 20mm thick, 20m CM 1:3 20mm thick pointed with anite for 50 mm wide curing etc. 9) Rate	nm thick black granite 14% colour pigment, including, complete as per specific 7195.00 7195 719.50 7914.50 Sqm	%. T∣ g ful
	ruby red granite @ 66%,20 mm thick grey g granite materials are laid on existing bed of rounding for nosing, flaming the ruby red gr. (P.No. 109, I.No. 14.46 of PWD SR 2018-19. Basic Rate Sub Total Add 10% For Area weightage Total Repairing door and window frames with ava PWD 18-19,SI No.37.12,Pg No 267 Basic Rate	granite @ 20%, 20mm thick, 20m CM 1:3 20mm thick pointed with anite for 50 mm wide curing etc. 9) Rate	nm thick black granite 14% colour pigment, including complete as per specific 7195.00 7195 719.50 7914.50 Sqm	%. T∣ g ful
	ruby red granite @ 66%,20 mm thick grey g granite materials are laid on existing bed of rounding for nosing, flaming the ruby red granite (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total Repairing door and window frames with avan PWD 18-19,SI No.37.12,Pg No 267 Basic Rate Sub Total	granite @ 20%, 20mm thick, 20m CM 1:3 20mm thick pointed with anite for 50 mm wide curing etc. 9) Rate	nm thick black granite 14% colour pigment, including, complete as per specific 7195.00 7195 719.50 7914.50 Sqm	%. T∣ g ful
	ruby red granite @ 66%,20 mm thick grey g granite materials are laid on existing bed of rounding for nosing, flaming the ruby red gr. (P.No. 109, I.No. 14.46 of PWD SR 2018-19. Basic Rate Sub Total Add 10% For Area weightage Total Repairing door and window frames with ava PWD 18-19,SI No.37.12,Pg No 267 Basic Rate	granite @ 20%, 20mm thick, 20m CM 1:3 20mm thick pointed with anite for 50 mm wide curing etc. 9) Rate	nm thick black granite 14% colour pigment, including complete as per specific 7195.00 7195 719.50 7914.50 Sqm	%. T∣ g ful
	ruby red granite @ 66%,20 mm thick grey g granite materials are laid on existing bed of rounding for nosing, flaming the ruby red gr. (P.No. 109, I.No. 14.46 of PWD SR 2018-19. Basic Rate Sub Total Add 10% For Area weightage Total Repairing door and window frames with ava PWD 18-19,SI No.37.12,Pg No 267 Basic Rate Sub Total Add 10% For Area weightage Total	granite @ 20%, 20mm thick, 20m CM 1:3 20mm thick pointed with anite for 50 mm wide curing etc. 9) Rate allable wood to the required size. Rate	nm thick black granite 14% colour pigment, including complete as per specific 7195.00 7195 719.50 7914.50 Sqm 685.00 685 68.50 753.50 Sqm	%. T g ful
25	ruby red granite @ 66%,20 mm thick grey g granite materials are laid on existing bed of rounding for nosing, flaming the ruby red gr. (P.No. 109, I.No. 14.46 of PWD SR 2018-19 Basic Rate Sub Total Add 10% For Area weightage Total Repairing door and window frames with ava PWD 18-19,SI No.37.12,Pg No 267 Basic Rate Sub Total Add 10% For Area weightage	granite @ 20%, 20mm thick, 20m CM 1:3 20mm thick pointed with anite for 50 mm wide curing etc. 9) Rate allable wood to the required size. Rate	nm thick black granite 14% colour pigment, including complete as per specific 7195.00 7195 719.50 7914.50 Sqm 685.00 685 68.50 753.50 Sqm	%. T g ful
25	ruby red granite @ 66%,20 mm thick grey g granite materials are laid on existing bed of rounding for nosing, flaming the ruby red gr. (P.No. 109, I.No. 14.46 of PWD SR 2018-19. Basic Rate Sub Total Add 10% For Area weightage Total Repairing door and window frames with ava PWD 18-19,SI No.37.12,Pg No 267 Basic Rate Sub Total Add 10% For Area weightage Total Repairing and fixing shutters (panelled or gli	granite @ 20%, 20mm thick, 20m CM 1:3 20mm thick pointed with anite for 50 mm wide curing etc. 9) Rate allable wood to the required size. Rate	nm thick black granite 14% colour pigment, including complete as per specific 7195.00 7195 719.50 7914.50 Sqm 685.00 685 68.50 753.50 Sqm	%. T∣ g ful
	ruby red granite @ 66%,20 mm thick grey g granite materials are laid on existing bed of rounding for nosing, flaming the ruby red gr. (P.No. 109, I.No. 14.46 of PWD SR 2018-19. Basic Rate Sub Total Add 10% For Area weightage Total Repairing door and window frames with ava PWD 18-19,SI No.37.12,Pg No 267 Basic Rate Sub Total Add 10% For Area weightage Total Add 10% For Area weightage Total Repairing and fixing shutters (panelled or gl. PWD 18-19,SI No.37.13,Pg No.267	granite @ 20%, 20mm thick, 20m CM 1:3 20mm thick pointed with anite for 50 mm wide curing etc. 9) Rate allable wood to the required size. Rate	nm thick black granite 14% colour pigment, including complete as per specific 7195.00 7195 719.50 7914.50 Sqm 685.00 685 68.50 753.50 Sqm	%. TI g ful
25	ruby red granite @ 66%,20 mm thick grey g granite materials are laid on existing bed of rounding for nosing, flaming the ruby red gr. (P.No. 109, I.No. 14.46 of PWD SR 2018-19. Basic Rate Sub Total Add 10% For Area weightage Total Repairing door and window frames with ava PWD 18-19,SI No.37.12,Pg No 267 Basic Rate Sub Total Add 10% For Area weightage Total Repairing and fixing shutters (panelled or gl. PWD 18-19,SI No.37.13,Pg No.267 Basic Material Rate	granite @ 20%, 20mm thick, 20m CM 1:3 20mm thick pointed with anite for 50 mm wide curing etc. 9) Rate allable wood to the required size. Rate	nm thick black granite 14% colour pigment, including complete as per specific 7195.00 7195 719.50 7914.50 Sqm 685.00 685 68.50 753.50 Sqm	%. T g ful

	KSRB 15-15.1 : Providing and applying painting in to	-	•	•
	on wall surface to give an even approved shade after			
27	drops and other foreign matter including preparing the	ne surrace even and san	ia paper smooth	i, cost of
	materials, labour, complete as per specifications.			
	- do- with primer			
	PWD 18-19,SI No.15.51.2,Pg No.119			
	Basic Material Rate		90.00	
	Sub Total		90	
	Add 10% For Area weightage for Labour		9.00	
	Total	Rate	99.00	Sqm
28	Supplying and fixing new Mangalore tiles on existing PWD 18-19,SI No.37.9,Pg No.267	reepers.		
	Basic Rate		407.00	
	Sub Total		407	
	Add 10% For Area weightage		40.70	
	Total Rate	Rate	447.70	
29	ridges and hips, wood reepers and pointed with cem materials, labour, curing complete as per specification wood reepers of size 50x25mm PWD 18-19,SI No.8.11		BS 8.17KSRB	8.4-2: do- Nan
	Basic Rate		814.00	
	Sub Total		814	
	Add 10% For Area weightage		81.40	
	Total Rate	Rate	895.40	Sqm
30	Removing and fixing old Mangalore ridge tiles includ PWD 18-19,SI No.37.10,Pg No.267	<u> </u>		Sqm
30	Removing and fixing old Mangalore ridge tiles includ	<u> </u>		
30	Removing and fixing old Mangalore ridge tiles includ PWD 18-19,SI No.37.10,Pg No.267	<u> </u>	101.00 101	
30	Removing and fixing old Mangalore ridge tiles includ PWD 18-19,SI No.37.10,Pg No.267 Baisc rate	<u> </u>	101.00	
30	Removing and fixing old Mangalore ridge tiles includ PWD 18-19,SI No.37.10,Pg No.267 Baisc rate Sub Total	<u> </u>	101.00 101	
30	Removing and fixing old Mangalore ridge tiles include PWD 18-19,SI No.37.10,Pg No.267 Baisc rate Sub Total Add 10% For area weightage (Mangalore City)	ing pointing with C.M. 1:	101.00 101 10.10 111.10	Rmt
30	Removing and fixing old Mangalore ridge tiles include PWD 18-19,SI No.37.10,Pg No.267 Baisc rate Sub Total Add 10% For area weightage (Mangalore City) Total Rate KSRB 15-17.19: Providing and applying painting one wood surface and / or wood based surface with blace	Rate e coat (excluding priming k japan paint to give an exclusion of the coat	101.00 101 10.10 111.10 g coat) on preveven shade afte	Rmt iously painted or cleaning the
30	Removing and fixing old Mangalore ridge tiles include PWD 18-19,SI No.37.10,Pg No.267 Baisc rate Sub Total Add 10% For area weightage (Mangalore City) Total Rate KSRB 15-17.19: Providing and applying painting one wood surface and / or wood based surface with blact surface of all dirt, dust and foreign matter, including the surface of all dirt, dust and foreign matter, including the surface of all dirt, dust and foreign matter, including the surface of all dirt, dust and foreign matter, including the surface of all dirt, dust and foreign matter, including the surface of all dirt.	Rate e coat (excluding priming k japan paint to give an exclusion of the coat	101.00 101 10.10 111.10 g coat) on preveven shade afte	Rmt iously painted or cleaning the
	Removing and fixing old Mangalore ridge tiles include PWD 18-19,SI No.37.10,Pg No.267 Baisc rate Sub Total Add 10% For area weightage (Mangalore City) Total Rate KSRB 15-17.19: Providing and applying painting one wood surface and / or wood based surface with blac surface of all dirt, dust and foreign matter, including specifications.	Rate e coat (excluding priming k japan paint to give an exclusion of the coat	101.00 101 10.10 111.10 g coat) on preveven shade afte	Rmt iously painted or cleaning the
	Removing and fixing old Mangalore ridge tiles include PWD 18-19,SI No.37.10,Pg No.267 Baisc rate Sub Total Add 10% For area weightage (Mangalore City) Total Rate KSRB 15-17.19: Providing and applying painting one wood surface and / or wood based surface with blact surface of all dirt, dust and foreign matter, including the surface of all dirt, dust and foreign matter, including the surface of all dirt, dust and foreign matter, including the surface of all dirt, dust and foreign matter, including the surface of all dirt, dust and foreign matter, including the surface of all dirt.	Rate e coat (excluding priming k japan paint to give an exclusion of the coat	101.00 101 10.10 111.10 g coat) on preveven shade afte	Rmt iously painted or cleaning the
	Removing and fixing old Mangalore ridge tiles include PWD 18-19,SI No.37.10,Pg No.267 Baisc rate Sub Total Add 10% For area weightage (Mangalore City) Total Rate KSRB 15-17.19: Providing and applying painting one wood surface and / or wood based surface with black surface of all dirt, dust and foreign matter, including specifications. PWD 18-19,SI No.15.71,Pg No.123	Rate e coat (excluding priming k japan paint to give an exclusion of the coat	101.00 101 10.10 111.10 g coat) on preveven shade after, complete as po	Rmt iously painted or cleaning the er
	Removing and fixing old Mangalore ridge tiles include PWD 18-19,SI No.37.10,Pg No.267 Baisc rate Sub Total Add 10% For area weightage (Mangalore City) Total Rate KSRB 15-17.19: Providing and applying painting one wood surface and / or wood based surface with blac surface of all dirt, dust and foreign matter, including specifications.	Rate e coat (excluding priming k japan paint to give an exclusion of the coat	101.00 101 10.10 111.10 g coat) on preveven shade afte	Rmt iously painted or cleaning the er
	Removing and fixing old Mangalore ridge tiles include PWD 18-19,SI No.37.10,Pg No.267 Baisc rate Sub Total Add 10% For area weightage (Mangalore City) Total Rate KSRB 15-17.19: Providing and applying painting one wood surface and / or wood based surface with blact surface of all dirt, dust and foreign matter, including specifications. PWD 18-19,SI No.15.71,Pg No.123 Basic Rate Sub Total	Rate e coat (excluding priming k japan paint to give an exclusion of the coat	101.00 101 10.10 111.10 g coat) on preveven shade after, complete as po	Rmt iously painted or cleaning the er
	Removing and fixing old Mangalore ridge tiles include PWD 18-19,SI No.37.10,Pg No.267 Baisc rate Sub Total Add 10% For area weightage (Mangalore City) Total Rate KSRB 15-17.19: Providing and applying painting one wood surface and / or wood based surface with blac surface of all dirt, dust and foreign matter, including specifications. PWD 18-19,SI No.15.71,Pg No.123 Basic Rate	Rate e coat (excluding priming k japan paint to give an exclusion of the coat	3. 101.00 101 10.10 111.10 g coat) on preveven shade after, complete as possible for the complete of the com	Rmt iously painted or cleaning the er
	Removing and fixing old Mangalore ridge tiles include PWD 18-19,SI No.37.10,Pg No.267 Baisc rate Sub Total Add 10% For area weightage (Mangalore City) Total Rate KSRB 15-17.19: Providing and applying painting one wood surface and / or wood based surface with blac surface of all dirt, dust and foreign matter, including specifications. PWD 18-19,SI No.15.71,Pg No.123 Basic Rate Sub Total Add 10% For Area weightage	Rate e coat (excluding priming k japan paint to give an ecost of materials, labour	3. 101.00 101 10.10 111.10 g coat) on preveven shade after, complete as personal section of the comp	Rmt iously painted or cleaning the er
	Removing and fixing old Mangalore ridge tiles include PWD 18-19,SI No.37.10,Pg No.267 Baisc rate Sub Total Add 10% For area weightage (Mangalore City) Total Rate KSRB 15-17.19: Providing and applying painting one wood surface and / or wood based surface with blact surface of all dirt, dust and foreign matter, including specifications. PWD 18-19,SI No.15.71,Pg No.123 Basic Rate Sub Total Add 10% For Area weightage Total Rate	Rate e coat (excluding priming k japan paint to give an ecost of materials, labour	3. 101.00 101 10.10 111.10 g coat) on preveven shade after, complete as possible 56.00 56 5.60 61.60	Rmt iously painted or cleaning the er
	Removing and fixing old Mangalore ridge tiles include PWD 18-19,SI No.37.10,Pg No.267 Baisc rate Sub Total Add 10% For area weightage (Mangalore City) Total Rate KSRB 15-17.19: Providing and applying painting one wood surface and / or wood based surface with black surface of all dirt, dust and foreign matter, including specifications. PWD 18-19,SI No.15.71,Pg No.123 Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRB 15-17.19:Applying additional one coat (exclude)	Rate e coat (excluding priming k japan paint to give an acost of materials, labour Rate Rate	101.00 101 10.10 111.10 g coat) on preveven shade after, complete as per 56.00 56 5.60 61.60	Rmt iously painted or cleaning the er Sqm
	Removing and fixing old Mangalore ridge tiles include PWD 18-19,SI No.37.10,Pg No.267 Baisc rate Sub Total Add 10% For area weightage (Mangalore City) Total Rate KSRB 15-17.19: Providing and applying painting one wood surface and / or wood based surface with blact surface of all dirt, dust and foreign matter, including specifications. PWD 18-19,SI No.15.71,Pg No.123 Basic Rate Sub Total Add 10% For Area weightage Total Rate	Rate e coat (excluding priming k japan paint to give an ecost of materials, labour Rate Rate ding priming coat) on progive an even shade af	101.00 101 10.10 111.10 g coat) on preveven shade after, complete as possible for the following shade after cleaning the state of the following shade after cleaning shade af	Rmt iously painted or cleaning the er Sqm d wood surface surface of all
31	Removing and fixing old Mangalore ridge tiles include PWD 18-19,SI No.37.10,Pg No.267 Baisc rate Sub Total Add 10% For area weightage (Mangalore City) Total Rate KSRB 15-17.19: Providing and applying painting one wood surface and / or wood based surface with blac surface of all dirt, dust and foreign matter, including specifications. PWD 18-19,SI No.15.71,Pg No.123 Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRB 15-17.19:Applying additional one coat (excluded and / or wood based surface with black japan paint to dirt, dust and foreign matter, including cost of material cost of material cost and recovery and surface with black japan paint to dirt, dust and foreign matter, including cost of material co	Rate e coat (excluding priming k japan paint to give an ecost of materials, labour Rate Rate ding priming coat) on progive an even shade af	101.00 101 10.10 111.10 g coat) on preveven shade after, complete as possible for the following shade after cleaning the state of the following shade after cleaning shade af	Rmt iously painted or cleaning the er Sqm d wood surface surface of all ns.
31	Removing and fixing old Mangalore ridge tiles include PWD 18-19,SI No.37.10,Pg No.267 Baisc rate Sub Total Add 10% For area weightage (Mangalore City) Total Rate KSRB 15-17.19: Providing and applying painting one wood surface and / or wood based surface with black surface of all dirt, dust and foreign matter, including specifications. PWD 18-19,SI No.15.71,Pg No.123 Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRB 15-17.19:Applying additional one coat (excluding or wood based surface with black japan paint to dirt, dust and foreign matter, including cost of materic PWD 18-19,SI No.15.72,Pg No.123	Rate e coat (excluding priming k japan paint to give an ecost of materials, labour Rate Rate ding priming coat) on progive an even shade af	3. 101.00 101 10.10 111.10 g coat) on preveven shade after, complete as properties of the complete as properties of the complete as properties of the complete as perspecification.	Rmt iously painted or cleaning the er Sqm d wood surface surface of all ns.
31	Removing and fixing old Mangalore ridge tiles include PWD 18-19,SI No.37.10,Pg No.267 Baisc rate Sub Total Add 10% For area weightage (Mangalore City) Total Rate KSRB 15-17.19: Providing and applying painting one wood surface and / or wood based surface with blac surface of all dirt, dust and foreign matter, including specifications. PWD 18-19,SI No.15.71,Pg No.123 Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRB 15-17.19:Applying additional one coat (excludand / or wood based surface with black japan paint to dirt, dust and foreign matter, including cost of materi PWD 18-19,SI No.15.72,Pg No.123 Basic Rate	Rate e coat (excluding priming k japan paint to give an ecost of materials, labour Rate Rate ding priming coat) on progive an even shade af	101.00 101 10.10 111.10 g coat) on preveven shade after, complete as possible for the complete as possible for the cleaning the per specification 50.00	Rmt iously painted or cleaning the er Sqm d wood surface surface of all ns.

	Waterproofing of RCC Terrace / podium slab / toile	. 4 . 7 411141		
	Waterproofing of NGC Terrace / podicin slab / tolle	et / utilities / water retaini	ng structure by prep	aring the
	surface by chipping and cleaning and Grouting of F	Honey comb, voids,crack	s / construction join	ts with
	cement slurry (1kg cement added in 10 ltr of water)) added with 100gm of in	organic accelerator.	, followed by
	spraying of liquid biological modified alkaline earth	,	•	•
	, , , , ,		•	
33	the micro porosity and allowing it to dry, curing the			
33	concrete and spraying waterproofing impregnate lic			
	0.50 ltr per sqm and finally applying polymer slurry	made out of cross linked	d acrylic / styrene / b	utadiene &
	cement in the ratio of 1:0.1, @0.50kg/sqm on the w	whole surface, including a	all labour charges to	ols and
	equipments, all complete as per the specification	_	•	
	PWD 18-19,SI No.10.5.1,Pg No 69			
	•			
	Basic Rate		526.00	
	Sub Total		526.00	
	Add 10% For Area weightage		52.60	
	Total Rate	Rate	578.60 Sc	m
		•	<u> </u>	•
	Providing and fixing Vitrified glazed tiles of approve	ed make quality & color	ur of size 900 v 900	v 12mm
	thick fixed on bed of 12mm thick cement mortar for			
0.4		•		•
34	mixed with pigment to mach shade of tiles, including	• • • • •	•	removing
	stains, including cost of all mateirals, mortar, labou	ır, etc., Complete as per	specification.	
	(KPWD 18-19,SI.No.14.45.1)			
	Basic Rate		1315.00	
	Sub Total		1315.00	
	Add 10% For Area weightage		131.50	
	Total Rate	Rate	1446.50 Sc	ım
	Total Nato	1 11410	1110100	1
	I/CDDD M200 Dignting and Maintaining of Floweri	ing Dlanta and Chruba I/	CDDD Mago od Di	onting and
	KSRRB M300- Planting and Maintaining of Floweri	ing Plants and Shrubs K	5KKB 1413UU- 8. 1. PI	_
25	Maintaining of Flowering Plants and Shrubs - A) Plants	lanting flowring plants an	d shrubs in central v	/erge
35	Maintaining of Flowering Plants and Shrubs - A) Pla MORTH Specification No. 307	lanting flowring plants an	d shrubs in central v	erge/
35	· · · · · · · · · · · · · · · · · · ·	lanting flowring plants an	d shrubs in central v	/erge
35	MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149	lanting flowring plants an		erge
35	MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149 Basic Rate	lanting flowring plants an	46.00	/erge
35	MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149 Basic Rate Sub Total	lanting flowring plants an	46.00 46.00	/erge
35	MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149 Basic Rate Sub Total Add 10% For Area weightage		46.00 46.00 4.60	
35	MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149 Basic Rate Sub Total	lanting flowring plants an	46.00 46.00	
35	MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149 Basic Rate Sub Total Add 10% For Area weightage		46.00 46.00 4.60	
35	MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149 Basic Rate Sub Total Add 10% For Area weightage Total Rate	Rate	46.00 46.00 4.60 50.60 Rr	mt
35	MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149 Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRRB M300-Turfing lawns with fine grassing inclination.	Rate luding ploughing, dressin	46.00 46.00 4.60 50.60 Rr	nt Turfing lawns
35	MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149 Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRRB M300-Turfing lawns with fine grassing including ploughing, dressing including ploughing, dressing including ploughing.	Rate luding ploughing, dressin	46.00 46.00 4.60 50.60 Rr g KSRRB M300-5.	mt Turfing lawns , dressing
	MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149 Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRRB M300-Turfing lawns with fine grassing including ploughing, dressing including supplying doobs grass roots at 10 cm apart, in	Rate luding ploughing, dressin cluding breaking of clods and specific supplying and specific supplying and specific supplying and specific supplying and specific supplying and specific supplying and specific supplying supplying and specific supplying supplying and specific supplying su	46.00 46.00 4.60 50.60 Rr g KSRRB M300-5.	mt Turfing lawns
35	MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149 Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRRB M300-Turfing lawns with fine grassing including ploughing, dressing including supplying doobs grass roots at 10 cm apart, in rate of 0.6 cum per 100 sqm complete as per species.	Rate luding ploughing, dressin cluding breaking of clods and specific supplying and specific supplying and specific supplying and specific supplying and specific supplying and specific supplying and specific supplying supplying and specific supplying supplying and specific supplying su	46.00 46.00 4.60 50.60 Rr g KSRRB M300-5.	mt Turfing lawns
	MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149 Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRRB M300-Turfing lawns with fine grassing including ploughing, dressing including supplying doobs grass roots at 10 cm apart, in	Rate luding ploughing, dressin cluding breaking of clods and specific supplying and specific supplying and specific supplying and specific supplying and specific supplying and specific supplying and specific supplying supplying and specific supplying supplying and specific supplying su	46.00 46.00 4.60 50.60 Rr g KSRRB M300-5.	mt Turfing lawns , dressing
	MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149 Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRRB M300-Turfing lawns with fine grassing including ploughing, dressing including supplying doobs grass roots at 10 cm apart, in rate of 0.6 cum per 100 sqm complete as per species.	Rate luding ploughing, dressin cluding breaking of clods and specific supplying and specific supplying and specific supplying and specific supplying and specific supplying and specific supplying and specific supplying supplying and specific supplying supplying and specific supplying su	46.00 46.00 4.60 50.60 Rr g KSRRB M300-5.	mt Turfing lawns , dressing
	MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149 Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRRB M300-Turfing lawns with fine grassing including ploughing, dressing including ploughing, dressing including supplying doobs grass roots at 10 cm apart, in rate of 0.6 cum per 100 sqm complete as per species PWD SOR 18-19,SI No.19.82,Pg No149	Rate luding ploughing, dressin cluding breaking of clods and specific supplying and specific supplying and specific supplying and specific supplying and specific supplying and specific supplying and specific supplying supplying and specific supplying supplying and specific supplying su	46.00 46.00 4.60 50.60 Rr g KSRRB M300-5. removal of rubbish preading of farm yard ification No. 307	mt Turfing lawns , dressing
	MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149 Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRRB M300-Turfing lawns with fine grassing including ploughing, dressing including ploughing, dressing including supplying doobs grass roots at 10 cm apart, in rate of 0.6 cum per 100 sqm complete as per species PWD SOR 18-19,SI No.19.82,Pg No149 Basic Rate	Rate luding ploughing, dressin cluding breaking of clods and specific supplying and specific supplying and specific supplying and specific supplying and specific supplying and specific supplying and specific supplying supplying and specific supplying supplying and specific supplying su	46.00 46.00 4.60 50.60 Rr g KSRRB M300-5. removal of rubbish preading of farm yard ification No. 307	mt Turfing lawns , dressing
	MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149 Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRRB M300-Turfing lawns with fine grassing including ploughing, dressing including ploughing, dressing including supplying doobs grass roots at 10 cm apart, in rate of 0.6 cum per 100 sqm complete as per species PWD SOR 18-19,SI No.19.82,Pg No149 Basic Rate Sub Total	Rate luding ploughing, dressin cluding breaking of clods and specific supplying and specific supplying and specific supplying and specific supplying and specific supplying and specific supplying and specific supplying supplying and specific supplying supplying and specific supplying su	46.00 46.00 4.60 50.60 Rr g KSRRB M300-5. removal of rubbish preading of farm yard iffication No. 307	mt Turfing lawns , dressing
	MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149 Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRRB M300-Turfing lawns with fine grassing including ploughing, dressing including ploughing, dressing including supplying doobs grass roots at 10 cm apart, in rate of 0.6 cum per 100 sqm complete as per species PWD SOR 18-19,SI No.19.82,Pg No149 Basic Rate	Rate luding ploughing, dressin cluding breaking of clods and specific supplying and specific supplying and specific supplying and specific supplying and specific supplying and specific supplying and specific supplying supplying and specific supplying supplying and specific supplying su	46.00 46.00 4.60 50.60 Rr g KSRRB M300-5. removal of rubbish preading of farm yard ification No. 307	nt Turfing lawns , dressing d manure at
	MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149 Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRRB M300-Turfing lawns with fine grassing including ploughing, dressing including ploughing, dressing including supplying doobs grass roots at 10 cm apart, in rate of 0.6 cum per 100 sqm complete as per species PWD SOR 18-19,SI No.19.82,Pg No149 Basic Rate Sub Total	Rate luding ploughing, dressin cluding breaking of clods and specific supplying and specific supplying and specific supplying and specific supplying and specific supplying and specific supplying and specific supplying supplying and specific supplying supplying and specific supplying su	46.00 46.00 4.60 50.60 Rr g KSRRB M300-5. removal of rubbish preading of farm yard iffication No. 307	nt Turfing lawns , dressing d manure at
	MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149 Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRRB M300-Turfing lawns with fine grassing including ploughing, dressing including ploughing, dressing including supplying doobs grass roots at 10 cm apart, in rate of 0.6 cum per 100 sqm complete as per species PWD SOR 18-19,SI No.19.82,Pg No149 Basic Rate Sub Total Add 10% For Area weightage	Rate Juding ploughing, dressing of clods including supplying and specifications. MORTH Specifications.	46.00 46.00 4.60 50.60 Rr g KSRRB M300-5. removal of rubbish preading of farm yard ification No. 307	nt Turfing lawns , dressing d manure at
	MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149 Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRRB M300-Turfing lawns with fine grassing including ploughing, dressing including ploughing, dressing including supplying doobs grass roots at 10 cm apart, in rate of 0.6 cum per 100 sqm complete as per specific PWD SOR 18-19,SI No.19.82,Pg No149 Basic Rate Sub Total Add 10% For Area weightage Total Rate	Rate luding ploughing, dressin cluding breaking of clods acluding supplying and specifications. MORTH Specifications.	46.00 46.00 4.60 50.60 Rr g KSRRB M300-5. removal of rubbish preading of farm yard ification No. 307 23.00 23.00 23.00 2.30 25.30 So	nt Turfing lawns , dressing d manure at
	MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149 Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRRB M300-Turfing lawns with fine grassing including ploughing, dressing including ploughing, dressing including supplying doobs grass roots at 10 cm apart, in rate of 0.6 cum per 100 sqm complete as per species PWD SOR 18-19,SI No.19.82,Pg No149 Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRRB M300- Maintenance of lawns with fine grassing including ploughing, dressing including ploughing, dressing including ploughing, dressing including ploughing, dressing including and supplying doobs grass roots at 10 cm apart, in rate of 0.6 cum per 100 sqm complete as per species provided in the pro	Rate luding ploughing, dressin cluding breaking of clods including supplying and specifications. MORTH Specifications Rate Rate	46.00 46.00 4.60 50.60 Rr g KSRRB M300-5. removal of rubbish preading of farm yard iffication No. 307 23.00 23.00 23.00 23.00 25.30 Sc	mt Turfing lawns, dressing d manure at
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38	KSRB 2.9 : Spreading and forming the excavated earth to required level, slope for an average thickness of 75mm. in all classes of soils including breaking clods and tamping manually alround the building and low laying areas complete as per specifications.specification. No. KBS : (KSRB 18-19,Pg No.7,SI No.2.16)						
	Basic Rate		9.00				
	Sub Total		9.00				
	Add 10% For Area weightage		0.90				
	Total Rate	Rate	9.90	Sqm			
		<u> </u>		-			

Executive Engineer MSCL Mangaluru

G M Technical MSCL Mangaluru

MANGALURU SMART CITY 1.1 Grand Summary of E-Smart school - Carstreet

Sr. No.	Description	Cost In INR		
1	E-Smart School - Carstreet			
а	Building & Compound wall works	7,552,487		
b	Electrical Works	479,096		
С	Plumbing Works	188,113		
d	External Development - Softscape & Hardscape	1,870,152		
	Total Cost	10,089,848		

Executive Engineer MSCL Mangaluru

G M Technical MSCL Mangaluru

MANGALURU SMART CITY 1.2 BOQ of E-Smart School - CARSTREET

Sr .No.	Description	Unit	Quantity	Rate	Amount
Α	Building & Compound wall works				
1	KSRRB M200-7.1. Clearing grass and removal of rubbish by manual means and stacking outside the periphery of the area cleaned complete as per specifications. MORTH Specification No. 201 PWD 18-19,Page No 138,SI No.18.10)	На	0.28	28330.50	8,018
2	KSRB 24-9 : Cleaning and washing of stone masonry wall surface with nitric acid including cost of materials, labour, complete as per specifications. Specification No.KBS 18-19, (Page No 130,SI No : 16.4)	Sqm	1242.23	5.50	6,832
3	Providing and construction laterite size stone masonary including cost and conveyance of all materials curing etc. complete as per specification.I.S.3620/1979 having compressive strength not less then 3.5N/mm2 for saturated dry samples.For super structure in CM 1:6 (Cement 45 kgs/M3) (KPWD 18-19,Page No 384,SI No : 42.5.3)	Cum	77.15	3730.10	287,777
4	KSRB 15.3.10 Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry and concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. PWD 18-19,SI No.15.19,Pg No 116	Sqm	548.32	300.30	164,660
5	KSRB 15-16.1: Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - do - with Primer PWD 18-19,SI No.15.53.2,Pg No 120	Sqm	2271.80	112.20	254,896
6	Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, complete as per specifications. (KPWD 18-19,SI No.15.103)	Sqm	297.40	374.00	111,228
7	KSRRB MS00-10 Painting new letter and figures of any shade with synthetic enamel paint black or any other approved colour to give an even shade complete as per specifications. ("ii) English and Roman - Hyphen and the like not to be measured and paid for" MORTH Specification No.801 (KSRRB 18-19,SI No.24.10)	cm	1250.00	0.77	963
8	Cleaning RCC sump tanks and RCC overhead tanks with mechanical dewatering including removal of sludge, mud, dirt, algea etc and cleaning the wall surface of tanks using high pressure jet, vacuum cleaning and spraying anti bacterial treatment to the wall and ceiling surfaces and UV treatment, including removing of sludge etc, using suitable coconut broomstick, squeesers I wipers I rubber brushes, coir brushes, plastic buckets, mugs, dewatering using motor with portal arrangement, hose pipe etc., complete including all safety measures. (KPWD 18-19,SI No.10.7)	L	15000.00	0.39	5,775
9	KSRB 15-18.3: Providing and applying enamel metal paint one coat (excluding priming coat) on previously painted steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. PWD 18-19,SI No.15.75,Pg No 123	Sqm	8.60	67.10	577

Sr .No.	Description	Unit	Quantity	Rate	Amount
10	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 PWD 18-19,SI No.2.3,Pg No 6	Cum	771.17	328.90	253,638
11	KSRB 4-1.6; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 ems. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2 PWD 18-19,SI No.4.6,Pg No 13	Cum	64.17	6490.00	416,463
12	KSRB 14.9-2: Providing and laying M-15 cement concrete flooring 60 mm thick with metallic concrete hardner topping, under layer of 45mm thick M-15 cernent concrete using broken granite metal of 20mm and down size and top layer of 15mm thick metallic cement hardner consisting of mix 1:2 (1 cement hardner mix: 2 granite metal 10mm nominal size) by volurne, with metalic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement= 1 part of metallic floor hardening compound of approved quality by wt), including finishing, cost of materials, labour, curing, complete as per specifications. Specification No. KBS 14.4 PWD 18-19,SI No.14.14	Sqm	245.00	797.50	195,388
13	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregates @0.47cum, with super plasticisers @ 3 liters conforming to IS 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedestrals, retaining walls, returnwalls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. PWD 18-19,SI No.4.10,Pg No 14	Cum	144.55	6817.80	985,513
14	Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete with all lead lifts and as per specifications and directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18	МТ	10.84	77860.20	844,102
15	Providing and removing, centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications PWD 18-19,SI No.4.28,Pg No 16	Sqm	431.25	289.30	124,761
16	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses plinth cills and string courses cost of all materials, labour complete as per specifications. PWD 18-19,SI No.4.31,Pg No 16	Sqm	1415.11	397.10	561,940
17	KSRRB M2200 - Providing Weep holes Providing weep holes in Brick masonry / Plain / Reinforced concrete abutment, wing wall / return wall with 100mm dia AC pipe , extending through the full width of the structure with slope of 1V:20H towards drawing force complete as per drawing and Technical specifications complete as per specifications. PWD 18-19,SI No.28.10,Pg No 229	Nos	16.00	161.70	2,587

Sr .No.	Description	Unit	Quantity	Rate	Amount
18	KSRB 2-4: Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications. PWD 18-19,SI No.2.11,Pg No 7	Cum	372.16	132.00	49,125
19	Providing and fixing unplasticised PVC pipes with working pressure 10 kg/sq.cm with pipe fittings, clips, making good the floor, including cost of all materials, labour charges, HOM and testing complete as per specifications. KSRB 18-19,Pg No.77,SI No.11.56.2				
	do- with 110mm outer dia	Rmt	24.00	666.60	15,998
20	Providing & Fixing CI Grating (325 x 325mm) for road gully cover including fixing the cover and CM 1:3 Plastering 20mm thick to all exposed faces curing for 90 days with all lead including cost of plastering but excluding cost of concrete etc,completete (As Per EOI)	Each	8.00	893.00	7,144
21	KSRB 24-44: Repairs to plaster in patches of 2.5 sqm and less in walls, ceilings 10 to 20mm thick in cement mortar 1:4 including cutting the patches in proper shape and replastering the surface of the wall including disposal of rubbish with a lead of 50m including curing cost of materials, labour, complete as per specifications. Specification No.KBS 24.2.1 PWD 18-19,SI No.16.39,Pg No 133	Sqm	296.92	304.70	90,470
22	Providing and fixing Special make glazed Vitrified tiles (Granomite finish) of approved make, quality and colour of size 600x600x10mm thick fixed on existing flooring with a special roffe adhesive for flooring and skirting etc., complete including providing spears at required interval and removing stains etc., complete. (P.No. 109, I.No. 14.43 of SR 2018-19).	Sqm	610.79	1452.00	886,867
23	Providing and laying of teak wooden polished flooring of 12mm thick, high density timber of approved colour and design with end trims, transition, profiles, beading, 15mm thick felt, and 20 micron polyester film with 4mm thick foam underlay etc., (P.No.113, I.No.14.70 of PWD SR 2018-19)	Sqm	91.38	5280.00	482,486
24	KSRB 14.14-5: Providing Ceramic tiles of approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing, complete as per specifications for Ceramic Tiles of size 30x30cms 6mm thick. PWD 18-19,SI No.14.36.2,Pg No.107 and 108	Sqm	246.42	1332.10	328,256
25	Providing and laying pattern flooring for staircase treads and risers using the combination of 20mm thick ruby red granite @ 66%,20 mm thick grey granite @ 20%, 20mm thick, 20mm thick black granite 14%. The granite materials are laid on existing bed of CM 1:3 20mm thick pointed with colour pigment, including full rounding for nosing, flaming the ruby red granite for 50 mm wide curing etc., complete as per specification. (P.No. 109, I.No. 14.46 of PWD SR 2018-19)	Sqm	78.04	7914.50	617,648
26	Repairing door and window frames with available wood to the required size. PWD 18-19,SI No.37.12,Pg No 267	Sqm	101.50	753.50	76,480
27	Repairing and fixing shutters (panelled or glazed) to doors, windows, ventilators and cupboards. PWD 18-19,SI No.37.13,Pg No.267	Sqm	102.90	753.50	77,535

Sr .No.	Description	Unit	Quantity	Rate	Amount
28	KSRB 15-15.1: Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - do- with primer PWD 18-19,SI No.15.51.2,Pg No.119	Sqm	1435.67	99.00	142,131
29	Supplying and fixing new Mangalore tiles on existing reepers. PWD 18-19,SI No.37.9,Pg No.267	Sqm	272.82	447.70	122,142
30	KSRB 8.4: Providing and fixing Mangalore tile roofing using first class tiles with necessary special tiles for ridges and hips, wood reepers and pointed with cement mortar 1:4 over the existing rafters including cost of materials, labour, curing complete as per specifications. Specification No. KBS 8.17KSRB 8.4-2: do- Nandi wood reepers of size 50x25mm PWD 18-19,SI No.8.11	Sqm	181.88	895.40	162,855
31	Removing and fixing old Mangalore ridge tiles including pointing with C.M. 1:3. PWD 18-19,SI No.37.10,Pg No.267	Rmt	60.23	111.10	6,691
32	KSRB 15-17.19: Providing and applying painting one coat (excluding priming coat) on previously painted wood surface and / or wood based surface with black japan paint to give an even shade after cleaning the surface of all dirt, dust and foreign matter, including cost of materials, labour, complete as per specifications. PWD 18-19,SI No.15.71,Pg No.123	Sqm	171.37	61.60	10,556
33	KSRB 15-17.19:Applying additional one coat (excluding priming coat) on previously painted wood surface and / or wood based surface with black japan paint to give an even shade after cleaning the surface of all dirt, dust and foreign matter, including cost of materials, labour, complete as per specifications. PWD 18-19,SI No.15.72,Pg No.123	Sqm	171.37	55.00	9,425
34	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification PWD 18-19,SI No.10.5.1,Pg No 69	Sqm	417.49	578.60	241,560
В	External Development - Softscape & Hardscape				
35	KSRRB M300- Planting and Maintaining of Flowering Plants and Shrubs KSRRB M300- 8.1. Planting and Maintaining of Flowering Plants and Shrubs - A) Planting flowring plants and shrubs in central verge MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149	Rmt	135.00	50.60	6,831
36	Providing and laying heavy duty Tactile Tiles (Direction and Stop tiles-300 x 300 mm) 60mm thick and Yellow in colour , using cement and course sand for manufacture of blocks of approved size, shape with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. (As Per EOI)	Sqm	41.56	912.00	37,903

Sr .No.	Description	Unit	Quantity	Rate	Amount
37	KSRRB M300-Turfing lawns with fine grassing including ploughing, dressing KSRRB M300-5. Turfing lawns with fine grassing including ploughing, dressing including breaking of clods, removal of rubbish, dressing and supplying doobs grass roots at 10 cm apart, including supplying and spreading of farm yard manure at rate of 0.6 cum per 100 sqm complete as per specifications. MORTH Specification No. 307 PWD SOR 18-19,SI No.19.82,Pg No149	Sqm	160.00	25.30	4,048
38	KSRRB M300- Maintenance of lawns with fine grassing for the first year KSRRB M300-6. Maintenance of lawns with fine grassing for the first year including watering etc complete as per specifications. MORTH Specification No. 307. PWD SOR 18-19,SI No.19.83,Pg No149	Sqm	160.00	101.20	16,192
39	Providing and fixing Vitrified glazed tiles of approved make, quality & colour of size 900 x 900 x 12mm thick fixed on bed of 12mm thick cement mortar for flooring, skirting and JOinted with neat cement slurry mixed with pigment to mach shade of tiles, including providing spacers at required interval and removing stains, including cost of all mateirals, mortar, labour, etc., Complete as per specification. (KPWD 18-19,Sl.No.14.45.1)	Sqm	166.24	1446.50	240,466
40	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete. do- of size 450 x 150 x 400 mm (KSRRB 18-19,Pg No.27,SI No.5.29.1)	Nos	173.00	514.80	89,060
41	1 Surface Preparation: Saw cutting further to construction and contol joints in floor to 10mm wide x 10mm deep as shear key, include surface preparation by mechanical means using Grinding machines with frequency control drive and planetry drive, equipped with a vaccum pipe for dust collection. where operating width should not be more than 400mm, power 5HP 3phase, voltage 220V/415V, Motor speed should be 700 RPM-900 RPM followed by Hand grinding machine for non approachable areas as directed in BS 8203: Code of practice for installation of resilient floor coverings,BS 8204 Parts 1, 3, 6 and 7 and FERFA followed by as required all in complete as per manufacturers and EIC. Work need to be done by flooring specialist only recommended by Flowcrete only.				
	3. Supplying and Installing Versaspeed / Thin top Supreme/ Eucocrete of FLOWCRETE (USA) versatile, single-component, rapid-setting mortar for horizontal, and form and pour repair projects. Requiring only the addition of water and 25% -40% pea aggregates, where the compressive strength should be 58.6Mpa as per ASTM C 109, Flexural strength as per ASTM C 348 should be 6.2Mpa in 1 day, Linear shrinkage as per ASTM C157 should be -0.083%, chloride permeability should be 900 coulombs as per ASTM C 1202 along with along with TUF-STRAND SF "structural fibers" of FLOWCRETE are a patented polypropylene / polyethylene synthetic macro-fiber successfully used to replace steel fibers, welded wire mesh and conventional reinforcing bars in a wide variety of applications. TUF-STRAND SF fibers comply with ASTM C1116, Standard Specification for Fiber Reinforced Concrete and Shotcrete, and are specifically designed to provide equivalent tensile and bending resistance to conventional reinforcement requirements. Concrete reinforced with TUF-STRAND SF will have three-dimensional reinforcing with enhanced flexural toughness, impact and abrasion resistance and will also help mitigate the formation of plastic shrinkage cracking in concrete. Dosage rates will vary depending upon the reinforcing requirements and can range from 1.8 kg/m³ to 12 kg/m³. TUF-STRAND SF synthetic macro-fibers comply with applicable portions of the International Code Council (ICC)				

Sr .No.	Description	Unit	Quantity	Rate	Amount
	Acceptance Criteria AC32 for synthetic fibers, are UL certified for composite metal deck construction and are recognized within ACI 360 and SDI/ANSI-C1.0 as a reinforcing alternate to WWF. Mixing and applying repair Mortar as per the manufacturer's recommendations within the open time of the bonding agents. Finish to level of surrounding concrete surface utilizing techniques recommended and finished with bull floater top of by manufacturer or as per the site Engineer. THICKNESS- 30MM (Market Rate)	Sqm	364.00	2600.00	946,400
42	Cutting 10mmX10mm joint where the joint a/b should not be more than 1.02, (As per TR34). followed by Providing and filling Decksheild putty/ EUCO700 all in complete as per manufacturer direction or EIC.(Market Rate)	Rmt	94.00	130.00	12,220
43	To supply and apply Green Label certified Decksheild system, low VOC as per ISO11890-2 resulted in Very Low <20g/L, solvent free, flexible polyurethane park deck coating system providing a colourful watertight, hard- wearing surface for intermediate decks of multi-storey, basement and other trafficable suspended floors consisting of 3 component, solvent free, Polyurethane based primer/body coat/binding agent having solid content of approximately 100% which accepts silica aggregate scatter to produce an anti skid surface as well as 2 component, coloured, flexible polurethane coating having 100% solid contents to seal the aggregate layer where UV light staibility is not critical having chemical resistance property to Petrol, Diesel, Antifreeze, Hydraulic Fluids, Chlorides & Battery Acids etc. Technical profile having Fire resistance -BS476-3 Designated EXT.F.AA, Slip Resistance as per TRRL Pendulum Slip Test resulted in Dry>40. Wet>40 (Low Slip Potential), Abrasion Resiatance as per Taber Abrader resulted in 0.1 mg loss per 1000 cycles (1Kg Load using CS17 wheels). For exposed area UV stable 2 component Polyurethane based top coat having abrasion resistance as per Taber Abrader: 0.1g loss per 1000 cycles, 100% UV Light stable & prevents from yellowing effect, followed by as required all in complete as per manufacturers and EIC (Market Rate)	Sqm	364.00	1400.00	509,600
44	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 (KSRB 18-19,SI No.24.15)	Sqm	15.75	471.90	7,432
	GRAND TOTAL				9,422,639

GST @12% on SOR & Non SOR 7,909,372 949125 GST @18% on Market 1,468,220 264280

Executive Engineer MSCL Mangaluru

G M Technical MSCL Mangaluru

MANGALURU SMART CITY 1.3 Measurement of E-SMART SCHOOL - CARSTREET

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	KSRRB M200-7.1. Clearing grass and removal of rubbish by						,
	manual means and stacking outside the periphery of the area						
1	cleaned complete as per specifications. MORTH Specification No.						
	201						
	PWD 18-19,Page No 138,SI No.18.10) Total Area	Sqm	1	4953.00	Area		4953.00
	Ded	Sqm	-1	2123.00	Area		-2123.00
	Dod	Sqm		2125.00	Alca		2830.00
		Ha					0.283
	KSRB 24-9 : Cleaning and washing of stone masonry wall surface						
2	with nitric acid including cost of materials, labour, complete as per						
	specifications. Specification No.KBS 18-19,						
	(Page No 130,SI No : 16.4) Compound wall - Front side	Sqm	2	73.70		2.00	294.80
	Right side	Sqm	2	86.00		2.00	344.00
	Left side	Sqm	2	89.10		2.00	356.40
	Back side	Sqm	2	58.00		2.00	232.00
	Pillar	Sqm	2	1.40		2.00	5.60
	Tree Guard	Sqm	2	9.43	T-1-1	0.50	9.43
		Sqm			Total		1242.23
	Providing and construction laterite size stone masonary including						
	cost and conveyance of all materials curing etc. complete as per						
	specification.I.S.3620/1979 having compressive strength not less						
3	then 3.5N/mm2 for saturated dry samples.For super structure in						
	CM 1:6 (Cement 45 kgs/M3)						
	(KPWD 18-19,Page No 384,Sl No : 42.5.3)						
	Compound wall - Front side	Cum	1	29.48	0.23	2.00	13.56
	Right side Left side	Cum Cum	1	34.40 35.64	0.23 0.23	2.00 2.00	15.82 16.39
	Back side	Cum	1	23.20	0.23	2.00	10.59
	Pillar	Cum	2	0.56	0.23	2.00	0.52
	Tree Guard	Cum	2	3.77	0.23	0.50	0.87
	Ampitheter	Cum	1	18.00	0.46	0.60	4.97
		Cum	1	16.00	0.46	0.90	6.62
	Total Oversity	Cum	1	14.00	0.46	1.20	7.73
	Total Quantity	Cum			Total		77.15
	KSRB 15.3.10 Providing 20mm thick cement plaster in single coat						
	with cement mortar 1:4, to stone masonry and concrete surface						
	including rounding off corners wherever required smooth						
4	rendering, : Providing and removing scaffolding, including cost of						
	materials, labour, curing complete as per specifications.						
	PWD 18-19,SI No.15.19,Pg No 116						
	Compound wall - Front side	Sqm	2	29.48		2.00	117.92
	•		2	34.40			
	Right side	Sqm				2.00	137.60
	Left side	Sqm	2	35.64		2.00	142.56
	Back side	Sqm	2	23.20		2.00	92.80
	Pillar	Sqm	2	0.56		2.00	2.24
	Ampitheter	Sqm	2	18.00		0.30	10.80
		Sqm	2	16.00		0.60	19.20
		Sqm	2	14.00		0.90	25.20
	Total Quantity	Sqm			Total		548.32
			İ				
	KSRB 15-16.1 : Providing and finishing external walls in two coats						
	with waterproof cement paint of approved brand and shade to						
	give an even shade after throughly brooming the surface to						
5	remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete						
	as per specifications.						
	- do - with Primer						
	PWD 18-19,SI No.15.53.2,Pg No 120						
	Compound wall - Front side	Sqm	2	73.70		2.00	294.80
	Right side	Sqm	2	86.00		2.00	344.00
	Left side	Sqm	2	89.10		2.00	356.40
	Back side	Sqm	2	58.00		2.00	232.00
	Pillar	Sqm	2	1.40		2.00	5.60
	Block 4		<u> </u>				
	Outside Building	Sqm	1	79.00		5.00	395.00
	Deduction Door-D	Sqm	-9	1.15		2.30	-23.81
	1200, 2	oqiii	- J	1.10	L	2.50	-20.01

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	Door-D2	Sqm	-2	1.20		2.10	-5.04
	Window-W	Sqm	-3	1.15		1.55	-5.35
	Window-W1	Sqm	-5	1.15		1.15	-6.61
	Anna Dasoha building	Sqm	1	14.40		3.50	50.40
	Ded Door-D2	Sqm	-1	1.20		2.10	-2.52
	Window W2	Sqm	-2	1.00		1.20	-2.32
	Block 5	<u> </u>	_			20	
	Outside Building	Sqm	1	43.10		3.65	157.32
	Toilet	Sqm	1	5.00		3.00	15.00
	Ded						
	Door D Door D2	Sqm	-3 -1	1.05 0.90		2.10	-6.62
	Window-W	Sqm Sqm	-1 -6	0.90		2.10 1.25	-1.89 -6.75
	Ventilator	Sqm	-1	0.80		0.60	-0.73
	Stage						
	Plinth	Sqm	2	12.96		0.75	19.44
	Step	Sqm	1	5.00		0.75	3.75
	Outside wall	Sqm	2	12.96 0.93		3.50 3.50	90.72
	Front face wall Front parapet	Sqm Sqm	1	6.80		1.15	6.51 7.82
	Ded Ded	Sqiii		0.00		1.13	7.02
	Opening	Sqm	-1	4.94	0.3		-1.48
	Door	Sqm	-2	1.20		2.10	-5.04
	Ventilator	Sqm	-4	0.80		0.60	-1.92
	Block 7				ļ		
	Outside wall	Sqm	2	10.00		3.75	75.00
	Outside wall Ded	Sqm	2	29.03		3.75	217.73
	Opening	Sqm	-1	3.37		2.10	-7.08
	DV4	Sqm	-7	1.05		2.50	-18.38
	Window-W1	Sqm	-6	1.80		1.50	-16.20
	Window-W	Sqm	-6	2.00		1.50	-18.00
	Ventilator V1	Sqm	-1	3.37		0.60	-2.02
	Ventilator V2 RCC Column	Sqm Sqm	-2 10	1.20 1.00		0.60 3.75	-1.44 37.50
	Parapet wall	Sqm	2	25.40		0.80	40.64
	Ampitheter	Sqm	2	18.00		0.30	10.80
	/ Implification	Sqm	2	16.00		0.60	19.20
		Sqm	2	14.00	T-1-1	0.90	25.20
		Sqm			Total		2271.80
6	Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, complete as per specifications. (KPWD 18-19,SI No.15.103)	Carre		70.70		0.00	4 4 7 4 0
	Compound wall - Front side B4 Block Outisde wall	Sqm Sqm	1	73.70 79.00		2.00 1.20	147.40 94.80
	B5 Block Front side	Sqm	1	16.50		1.20	19.80
	B7 Block Front side	Sqm	1	29.50		1.20	35.40
		Sqm	-		Total		297.40
7	KSRRB MS00-10 Painting new letter and figures of any shade with synthetic enamel paint black or any other approved colour to give an even shade complete as per specifications. ("ii) English and Roman - Hyphen and the like not to be measured and paid for" MORTH Specification No.801 (KSRRB 18-19,SI No.24.10)						
	Total Qty-Name Plate, Signages & School Entrance signages on			_			
	wall	Cm	25	50.00			1250.00
		Cm			Total		1250.00
		-					
8	Cleaning RCC sump tanks and RCC overhead tanks with mechanical dewatering including removal of sludge, mud, dirt, algea etc and cleaning the wall surface of tanks using high pressure jet, vacuum cleaning and spraying anti bacterial treatment to the wall and ceiling surfaces and UV treatment, including removing of sludge etc, using suitable coconut broomstick, squeesers I wipers I rubber brushes, coir brushes, plastic buckets, mugs, dewatering using motor with portal arrangement, hose pipe etc., complete including all safety measures. (KPWD 18-19.SI No.10.7)						
	Total Qty	L	15000				15000.00
		Ltr			Total		15000.00

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	2000.p.m.						
	KSRB 15-18.3 : Providing and applying enamel metal paint one						
	coat (excluding priming coat) on previously painted steel or other						
0	metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials,						
9	labour, complete as per specifications.						
	PWD 18-19,SI No.15.75,Pg No 123						
	Entrance Gate	Sqm	1	4.30		2.00	8.60
		Sqm			Total		8.60
	KSRB 2-2.1 : Earthwork excavation for foundation of buildings,						
	water supply, sanitary lines and electrical conduits either in pits or						
	in trenches 1.5m and above in width, in ordinary soil not						
	exceeding 1.5 m. in depth including dressing the bottom and sides						
10	of pits and trenches, stacking the excavated soil clear from edges						
	of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) /						
	2.3.5						
	PWD 18-19,SI No.2.3,Pg No 6						
	B4 Block	Cum	1	79.00	0.20	0.45	10.67
	B5 Block	Cum	1	16.50	0.30 0.30	0.45 0.45	2.23
	Stage	Cum	1	25.92	0.30	0.45	3.50
	B7 Block	Cum	1	73.00	0.30	0.45	9.86
	Ampitheter	Cum Cum	1	16.00 49.00	3.50 5.00	0.30 0.70	16.80 171.50
	Entry Driveway RCC Covered Drain	Culli		49.00	5.00	0.70	17 1.50
	SWD-0.3m Clear Width	Cum	1	33.60	0.80	1.00	26.88
	SWD - 0.45m Clear Width	Cum	1	21.00	0.95	1.03	20.55
	SWD - 0.60m Clear Width	Cum	1	314.47	1.10	1.42	489.47
	SWD Chamber UPVC Pipe	Cum Cum	8	0.70 24.00	0.70 0.75	0.50 0.99	1.96 17.75
	or veripe	Cum	'	24.00	Total	0.99	771.17
	KSRB 4-1.6; Providing and laying in position plain cement						
	concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and						
	fine aggregates @ 0.53cum, machine mixed, concrete laid in						
11	layers not exceeding 15 ems. thick, well compacted, in foundation,						
	plinth and cills, including cost of all materials, labour, HOM curing						
	complete as per specifications. Specification No. KBS 4.1, 4.2 PWD 18-19.SI No.4.6.Pg No 13						
	10-19,51 No.4.0,Fg No 15						
	RCC Covered Drain						
	PCC for Raft SWD-0.3m Clear Width	Cum	1	22.60	0.80	0.10	2.60
	SWD - 0.45m Clear Width	Cum Cum	1	33.60 21.00	0.80 0.95	0.10 0.10	2.69 2.00
	SWD - 0.60m Clear Width	Cum	1	314.47	1.10	0.10	34.59
	SWD Chamber	Cum	8	0.70	0.70	0.10	0.39
	Entry Driveway	Cum	1	49.00	5.00	0.10	24.50
			1		Total		64.17
	KSRB 14.9-2 : Providing and laying M-15 cement concrete						
	flooring 60 mm thick with metallic concrete hardner topping,						
	under layer of 45mm thick M-15 cernent concrete using broken						
	granite metal of 20mm and down size and top layer of 15mm thick metallic cement hardner consisting of mix 1:2 (1 cement hardner						
	mix: 2 granite metal 10mm nominal size) by volurne, with metalic						
12	hardening compound of approved quality mix in the ratio of 4:1 (4						
	part of cement= 1 part of metallic floor hardening compound of						
	approved quality by wt), including finishing, cost of materials,						
	labour, curing, complete as per specifications. Specification No. KBS 14.4						
	PWD 18-19,SI No.14.14						
		0		40.00	5.00		045.00
	M15 Cement Concrete flooring for Entrance area	Sqm	1	49.00	5.00 Total		245.00 245.00
		Sqm		1	I Uldi	Ī	∠43.00

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	Providing and laying in position reinforced cement concrete of			<u> </u>			
	design mix M25 with OPC cement @ 340kgs, with 20mm and						
	down size graded granite metal coarse aggregates @0.70 cum and fine aggregates @ 0.47cum, with super plasticisers @ 3 liters						
	conforming to IS 9103-1999 reafirmed-2008 at machine mixed,						
	concrete laid in layers not exceeding 15 cms thick, vibrated for all						
1 1.0	works in foundation for footings, pedestrals, retaining walls,						
	returnwalls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor						
	blocks & plinths etc including cost of all materials, labour, HOM of						
	machinery, curing, complete but excluding cost of reinforcement						
	as per specifications.						
	PWD 18-19,SI No.4.10,Pg No 14						
	RCC Covered Drain						
	Raft SWD-0.3m Clear Width	Cum	1	33.60	0.50	0.15	2.52
	SWD - 0.45m Clear Width	Cum	1	21.00	0.65	0.15	2.05
	SWD - 0.60m Clear Width	Cum	1	314.47	0.80	0.15	37.74
	SWD Chamber	Cum	8	0.50	0.50	0.10	0.20
	Side wall SWD-0.3m Clear Width	Cum	2	33.60	0.10	0.60	4.03
	SWD - 0.45m Clear Width	Cum	2	21.00	0.10	0.63	2.65
	SWD - 0.60m Clear Width	Cum	2	314.47	0.10	1.015	63.84
	SWD Chamber Covered Slab	Cum	8	1.20	0.10	0.30	0.29
	SWD-0.3m Clear Width	Cum	1	33.60	0.30	0.15	1.51
	SWD - 0.45m Clear Width	Cum	1	21.00	0.45	0.15	1.42
	SWD - 0.60m Clear Width	Cum	1	314.47	0.60	0.15	28.30
		Cum					144.55
	Providing TMT steel reinforcement for R.C.C work including						
	straightening, cutting, bending, hooking, placing in position,						
	lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary						
	complete as per design (laps and wastage shall not be measured				14 10		
14	and paid) cost of materials, labour, HOM of machinery complete				Kg/Cum		
	with all lead lifts and as per specifications and directinon of						
	Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18						
	1 W B 10 10,01 No.4.40.2,1 g No 10						
	RCC Covered Drain	14		40.54			0.4.00.05
	Raft Side wall	Kg Kg	1	42.51 70.81	75 75		3188.25 5310.75
	Covered Slab	Kg	1	31.23	75		2342.25
		Kg					10841.25
		MT					10.84
	Providing and removing, centering, shuttering, strutting, propping						
	etc., and removal of form work for foundations, footings, bases of						
	columns for mass concrete including cost of all materials, labour						
	complete as per specifications PWD 18-19,SI No.4.28,Pg No 16						
	RCC Covered Drain						
	Raft side	C	-	20.00		0.1-	40.00
	SWD-0.3m Clear Width SWD - 0.45m Clear Width	Sqm Sqm	2	33.60 21.00		0.15 0.15	10.08 6.30
	SWD - 0.60m Clear Width	Sqm	2	314.47		0.15	94.34
	SWD Chamber	Sqm	8	2.00		0.10	1.60
	RCC Covered Drain Slab Bottom						
	SWD-0.3m Clear Width	Sqm	1	33.60	0.30		10.08
	SWD - 0.45m Clear Width	Sqm	1	21.00	0.45		9.45
	SWD - 0.60m Clear Width Slab side	Sqm	1	314.47	0.60		188.68
	SWD-0.3m Clear Width	Sqm	2	33.60		0.15	10.08
	SWD - 0.45m Clear Width	Sqm	2	21.00		0.15	6.30
		Sqm	2	314.47		0.15	94.34
	SWD - 0.60m Clear Width					n l	121 25
		Sqm					431.25
	SWD - 0.60m Clear Width		_				431.23
	SWD - 0.60m Clear Width Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls						431.23
16	SWD - 0.60m Clear Width Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses plinth						431.23
16	SWD - 0.60m Clear Width Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses plinth cills and string courses cost of all materials, labour complete as						431.23
16	SWD - 0.60m Clear Width Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses plinth cills and string courses cost of all materials, labour complete as per specifications. PWD 18-19,SI No.4.31,Pg No 16						431.23
16	SWD - 0.60m Clear Width Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses plinth cills and string courses cost of all materials, labour complete as per specifications. PWD 18-19,SI No.4.31,Pg No 16 RCC Covered Drain						451.25
16	SWD - 0.60m Clear Width Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses plinth cills and string courses cost of all materials, labour complete as per specifications. PWD 18-19,SI No.4.31,Pg No 16		4	33.60		0.6	80.64

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	SWD - 0.60m Clear Width	Sqm	4	314.47		1.015	1276.75
	SWD Chamber	Sqm	8	2.00		0.30	4.80
		Sqm					1415.11
		•					
	KSRRB M2200 - Providing Weep holes Providing weep holes in						
	Brick masonry / Plain / Reinforced concrete abutment, wing wall /						
	return wall with 100mm dia AC pipe, extending through the full						
17	width of the structure with slope of 1V:20H towards drawing force						
• •	complete as per drawing and Technical specifications complete						
	as per specifications.						
	PWD 18-19,SI No.28.10,Pg No 229						
	RCC Covered Drain						
	SWD Chamber	Nos	16.00				16.00
	SWD Chamber	Nos	16.00				16.00 16.00
		NOS					10.00
	KSRB 2-4 : Refilling available earth around pipe lines, cables in						
	layers not exceeding 20cms in depth, compacting each deposited						
	layer by ramming after watering with lead upto 50m. and lift upto						
18	1.5 m. including cost of all labour complete as per specifications.						
	PWD 18-19,SI No.2.11,Pg No 7						
	RCC Covered Drain						
	Total Excavated Qtv	C	4				FF0 01
		Cum	1				556.61
	PCC Qty	Cum	-1				-39.67
	RCC Qty UPVC Pipe 110mm Dia	Cum	-1	04.00	0.04		-144.55
	UPVC Pipe 110mm Dia	Cum	-1	24.00	0.01		-0.23
		Cum					372.16
	B 18 18 18 18 18 18 18 18 18 18 18 18 18						
	Providing and fixing unplasticised PVC pipes with working						
	pressure 10 kg/sq.cm with pipe fittings, clips, making good the						
19	floor, including cost of all materials, labour charges, HOM and						
13	testing complete as per specifications.						
	KSRB 18-19,Pg No.77,SI No.11.56.2						
	do- with 110mm outer dia						
		Rmt	1.00	24.00			24.00
	RCC Covered Drain		1.00	24.00			
		Rmt					24.00
	D : " 0 5" : 01 0 : (005 005) (
	Providing & Fixing CI Grating (325 x 325mm) for road gully cover						
	including fixing the cover and CM 1:3 Plastering 20mm thick to all						
20	exposed faces curing for 90 days with all lead including cost of						
_0	plastering but excluding cost of concrete etc,completete						
	(As Per EOI)						
	SWD Chamber	Each	8.00				8.00
		Each					8.00
	KSRB 24-44 : Repairs to plaster in patches of 2.5 sqm and less in						
	walls, ceilings 10 to 20mm thick in cement mortar 1:4 including						
	cutting the patches in proper shape and replastering the surface						
0.4	of the wall including disposal of rubbish with a lead of 50m						
21	including curing cost of materials, labour, complete as per						
	specifications. Specification No.KBS 24.2.1						
	PWD 18-19,SI No.16.39,Pg No 133						
	B4 Block						
	Outside wall	Sqm	1	79.00		5.00	395.00
		Juill	<u> </u>	, 5.00		5.00	555.00
							175.57
	B5 Block		1	4 8 1∩		3 65	
	B5 Block Outside wall	Sqm	1	48.10		3.65	170.07
	B5 Block Outside wall Stage	Sqm					
	B5 Block Outside wall Stage Outside area		1	48.10 65.50		3.65 1.93	126.42
	B5 Block Outside wall Stage Outside area B7 Block	Sqm Sqm	1	65.50		1.93	126.42
	B5 Block Outside wall Stage Outside area	Sqm					
	B5 Block Outside wall Stage Outside area B7 Block	Sqm Sqm Sqm	1	65.50	Total	1.93	126.42 292.73
	B5 Block Outside wall Stage Outside area B7 Block Outside area	Sqm Sqm Sqm	1	65.50	Total	1.93	126.42 292.73 989.72
	B5 Block Outside wall Stage Outside area B7 Block	Sqm Sqm Sqm	1	65.50	Total Total	1.93	126.42 292.73
	B5 Block Outside wall Stage Outside area B7 Block Outside area Total 30% Quantity	Sqm Sqm Sqm	1	65.50		1.93	126.42 292.73 989.72
	B5 Block Outside wall Stage Outside area B7 Block Outside area Total 30% Quantity Providing and fixing Special make glazed Vitrified tiles (Granomite	Sqm Sqm Sqm	1	65.50		1.93	126.42 292.73 989.72
	B5 Block Outside wall Stage Outside area B7 Block Outside area Total 30% Quantity Providing and fixing Special make glazed Vitrified tiles (Granomite finish) of approved make, quality and colour of size	Sqm Sqm Sqm	1	65.50		1.93	126.42 292.73 989.72
	B5 Block Outside wall Stage Outside area B7 Block Outside area Total 30% Quantity Providing and fixing Special make glazed Vitrified tiles (Granomite finish) of approved make, quality and colour of size 600x600x10mm thick fixed on existing flooring with a special roffe	Sqm Sqm Sqm	1	65.50		1.93	126.42 292.73 989.72
22	B5 Block Outside wall Stage Outside area B7 Block Outside area Total 30% Quantity Providing and fixing Special make glazed Vitrified tiles (Granomite finish) of approved make, quality and colour of size 600x600x10mm thick fixed on existing flooring with a special roffe adhesive for flooring and skirting etc., complete including	Sqm Sqm Sqm	1	65.50		1.93	126.42 292.73 989.72
22	B5 Block Outside wall Stage Outside area B7 Block Outside area Total 30% Quantity Providing and fixing Special make glazed Vitrified tiles (Granomite finish) of approved make, quality and colour of size 600x600x10mm thick fixed on existing flooring with a special roffe adhesive for flooring and skirting etc., complete including providing spears at required interval and removing stains etc.,	Sqm Sqm Sqm	1	65.50		1.93	126.42 292.73 989.72
22	B5 Block Outside wall Stage Outside area B7 Block Outside area Total 30% Quantity Providing and fixing Special make glazed Vitrified tiles (Granomite finish) of approved make, quality and colour of size 600x600x10mm thick fixed on existing flooring with a special roffe adhesive for flooring and skirting etc., complete including	Sqm Sqm Sqm	1	65.50		1.93	126.42 292.73 989.72
22	B5 Block Outside wall Stage Outside area B7 Block Outside area Total 30% Quantity Providing and fixing Special make glazed Vitrified tiles (Granomite finish) of approved make, quality and colour of size 600x600x10mm thick fixed on existing flooring with a special roffe adhesive for flooring and skirting etc., complete including providing spears at required interval and removing stains etc.,	Sqm Sqm Sqm	1	65.50		1.93	126.42 292.73 989.72
22	B5 Block Outside wall Stage Outside area B7 Block Outside area Total 30% Quantity Providing and fixing Special make glazed Vitrified tiles (Granomite finish) of approved make, quality and colour of size 600x600x10mm thick fixed on existing flooring with a special roffe adhesive for flooring and skirting etc., complete including providing spears at required interval and removing stains etc.,	Sqm Sqm Sqm	1	65.50		1.93	126.42 292.73 989.72
22	B5 Block Outside wall Stage Outside area B7 Block Outside area Total 30% Quantity Providing and fixing Special make glazed Vitrified tiles (Granomite finish) of approved make, quality and colour of size 600x600x10mm thick fixed on existing flooring with a special roffe adhesive for flooring and skirting etc., complete including providing spears at required interval and removing stains etc., complete. (P.No. 109, I.No. 14.43 of SR 2018-19).	Sqm Sqm Sqm	1	65.50	Total	1.93	126.42 292.73 989.72 296.92
22	B5 Block Outside wall Stage Outside area B7 Block Outside area Total 30% Quantity Providing and fixing Special make glazed Vitrified tiles (Granomite finish) of approved make, quality and colour of size 600x600x10mm thick fixed on existing flooring with a special roffe adhesive for flooring and skirting etc., complete including providing spears at required interval and removing stains etc., complete. (P.No. 109, I.No. 14.43 of SR 2018-19). B4 Block	Sqm Sqm Sqm Sqm	1	65.50 78.06		1.93	126.42 292.73 989.72

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	Skirting	Sqm	1	19.36		0.15	2.90
	B7 Block	- 4	-				
	Office	Sqm	1	3.37	4.32		14.56
	Skirting	Sqm	1	15.38	7.00	0.15	2.31
	Staff Room Skirting	Sqm Sqm	1	3.37 20.74	7.00	0.15	23.59 3.11
	B4 Block	Oqiii	'	20.14		0.10	0.11
	Room	Sqm	2	3.10	5.17		32.05
	Skirting	Sqm	2	16.54		0.15	4.96
	Room Skirting	Sqm Sqm	1	3.00 24.05	9.03	0.15	27.08 3.61
	Room	Sqm	1	3.00	8.90	0.13	26.70
	Skirting	Sqm	1	23.80	0.00	0.15	3.57
	Passage	Sqm	2	9.26	2.75		50.91
	Skirting	Sqm	2	9.26	0.75	0.15	2.78
	Passage Skirting	Sqm Sqm	2	4.93 4.93	2.75	0.15	27.12 1.48
	Passage	Sqm	1	5.51	2.75	0.13	15.15
	Skirting	Sqm	1	5.51	20	0.15	0.83
	Annadasoha Building	Sqm	1	8.89	4.72		41.96
	Skirting	Sqm	1	27.22		0.15	4.08
	B5 Block	0	4	40.45	4.50		0.4.00
	Corridor Skirting	Sqm Sqm	1	16.45 16.45	1.50	0.15	24.68 2.47
	B7 Block	Oqiii	'	10.40		0.10	2.47
	Corridor	Sqm	1	29.05	2.50		72.63
	Skirting	Sqm	1	29.05		0.15	4.36
	Corridor	Sqm	1	7.20	4.20		30.24
	Staircase Room	Sqm	1	3.37	7.00		23.59
	Skirting Room	Sqm Sqm	2	17.37 3.37	7.00	0.15	2.61 47.18
	Skirting	Sqm	2	17.37	7.00	0.15	5.21
	NSS/NCC	Sqm	1	3.37	7.00	0.10	23.59
	Skirting	Sqm	1	17.37		0.15	2.61
	Passage	Sqm	1	1.45	2.40		3.48
	Skirting	Sqm	1	6.25		0.15	0.94
	Total Qty	Sqm			Total		610.79
23	trims, transition, profiles, beading, 15mm thick felt, and 20 micron polyester film with 4mm thick foam underlay etc., (P.No.113, I.No.14.70 of PWD SR 2018-19)						
	B4 Block						
	PUC Principal Chamber	Sqm	1	5.70	5.17		29.45
	Skirting	Sqm	1	21.73		0.15	3.26
	High School Principal Chamber	Sqm	1	5.56	5.17		28.75
	Skirting B7 Block	Sqm	1	21.46		0.15	3.22
	Principal Chamber	Sqm	1	3.37	7.00		23.59
	Skirting	Sqm	1	20.74	7.00	0.15	3.11
	Total Qty	Sqm			Total		91.38
24	KSRB 14.14-5: Providing Ceramic tiles of approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing, complete as per specifications for Ceramic Tiles of size 30x30cms 6mm thick. PWD 18-19,SI No.14.36.2,Pg No.107 and 108						
	B5 Block	Sqm					0.00
	Kitchen	Sqm	1	11.57	4.60		53.22
	Skirting	Sqm	1	32.34		0.15	4.85
	Store Room	Sqm	1	4.15	4.60	0.1-	19.09
	Skirting Toilet	Sqm Sqm	1	17.50 1.00	1.27	0.15	2.63 1.27
	Dadoo	Sqm	1	4.54	1.41	2.10	9.53
	Ded	Sqm	-1	0.90		2.10	-1.89
	Stage	Sqm	1	6.27	5.43		34.05
	Skirting	Sqm	1	17.13		0.15	2.57
	Front side	Sqm	1	4.20	Area		4.20
	B7 Block Toilet	Sqm	2	1.61	2.50		8.05
	Skirting	Sqm	2	6.61	2.00	0.15	1.98
	10					0.10	
	Toilet	Sqm	4	1.05	1.35		5.67
	Toilet Skirting Toilet Passage	Sqm Sqm Sqm	4 4 1	1.05 3.75 2.02	1.35 4.65	0.15	2.25 9.39

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	Skirting	Sqm	1	11.32		0.15	1.70
	Room	Sqm	1	1.80	2.17		3.91
	Skirting	Sqm	1	6.14		0.15	0.92
	Toilet Dadooing	Sqm	2	6.61		2.10	27.76
		Sqm	4	3.75		2.10	31.50
	Total Qty	Sqm Sqm	1	11.32	Total	2.10	23.77 246.42
	Total Qty	Sqiii			Total		240.42
25	Providing and laying pattern flooring for staircase treads and risers using the combination of 20mm thick ruby red granite @ 66%,20 mm thick grey granite @ 20%, 20mm thick, 20mm thick black granite 14%. The granite materials are laid on existing bed of CM 1:3 20mm thick pointed with colour pigment, including full rounding for nosing, flaming the ruby red granite for 50 mm wide curing etc., complete as per specification. (P.No. 109, I.No. 14.46 of PWD SR 2018-19)						
	B4 Block Entry Step Tread	Sqm	2	3.60	0.30		2.16
	Entry Step Tread	Sqm	2	3.00	0.30		1.80
	Entry Step Tread	Sqm	2	2.40	0.30		1.44
	Entry Step Tread	Sqm	2	1.80	0.30		1.08
	Riser	Sqm	2	3.60		0.15	1.08
	Riser	Sqm	2	3.00		0.15	0.90
	Riser	Sqm	2	2.40		0.15	0.72
	Riser	Sqm	2	1.80		0.15	0.54
	Riser	Sqm	2	1.20	0.00	0.15	0.36
	Entry Step Tread Entry Step Tread	Sqm Sqm	1	4.90 4.30	0.30 0.30		1.47 1.29
	Entry Step Tread	Sqm	1	3.70	0.30		1.29
	Entry Step Tread	Sqm	1	3.10	0.30		0.93
	Riser	Sqm	1	4.90	0.00	0.15	0.74
	Riser	Sqm	1	4.30		0.15	0.65
	Riser	Sqm	1	3.70		0.15	0.56
	Riser	Sqm	1	3.10		0.15	0.47
	Riser	Sqm	1	2.50		0.15	0.38
	B5 Block						
	Entry Step Tread	Sqm	1	0.90	0.30		0.27
	Entry Step Tread Entry Step Riser	Sqm Sqm	1	0.60 0.90	0.30	0.15	0.18 0.14
	Entry Step Riser	Sqm	1	0.60		0.15	0.14
	Stage Step Tread	Sqm	8	0.30	0.30	0.10	0.72
	Stage Step Riser	Sqm	10	0.30	0.00	0.15	0.45
	B7 Block						
	Entry Step side Tread	Sqm	2	7.20	0.40		5.76
	Entry Step side Riser	Sqm	3	7.20		0.15	3.24
	Staircase GF-FF			4.00	0.00		40.40
	Tread Riser	Sqm	26 30	1.60	0.30	0.45	12.48 7.20
	Landing	Sqm Sqm	1	1.60 3.37	1.45	0.15	4.89
	Skirting	Sqm	1	6.27	1.43	0.15	0.94
	Ampitheter	Sqm	1	18.00	0.50	0.10	9.00
		Sqm	1	16.00	0.50		8.00
		Sqm	1	14.00	0.50		7.00
	Total Qty	Sqm			Total		78.04
	Repairing door and window frames with available wood to the required size. PWD 18-19,SI No.37.12,Pg No 267 B4 Block						
	Door-D	Sqm	12	1.15		2.30	32.00
	Door-D2	Sqm	3	1.20		2.10	8.00
	Window-W	Sqm	3	1.15		1.55	5.00
	Window-W1	Sqm	5	1.15		1.15	7.00
	B5 Block	C~~-	A	4.05		0.40	0.00
	Door D Door D2	Sqm Sqm	1	1.05 0.9		2.10 2.10	9.00
	Window-W	Sqm	6	0.9		1.25	7.00
	Stage	<u> </u>	_ <u> </u>	0.0		1.20	7.50
		Sqm	2	1.2		2.10	5.00
	Door-D	<u>_</u>	_				
	Block 7						
	Block 7 Door DV3	Sqm	3	0.9		2.50	
	Block 7 Door DV3 Door DV4	Sqm Sqm	7	1.05		2.50	18.00
	Block 7 Door DV3 Door DV4 Door D3	Sqm Sqm Sqm	7	1.05 0.9		2.50 2.10	18.00 8.00
	Block 7 Door DV3 Door DV4 Door D3 Window W	Sqm Sqm Sqm Sqm	7 4 6	1.05 0.9 2.0		2.50 2.10 1.50	18.00 8.00 18.00
	Block 7 Door DV3 Door DV4 Door D3 Window W Window W1	Sqm Sqm Sqm Sqm Sqm	7 4 6 6	1.05 0.9 2.0 1.8		2.50 2.10 1.50 1.50	18.00 8.00 18.00 16.00
	Block 7 Door DV3 Door DV4 Door D3 Window W Window W1 V1	Sqm Sqm Sqm Sqm Sqm	7 4 6 6 1	1.05 0.9 2.0 1.8 3.37		2.50 2.10 1.50 1.50 0.60	7.00 18.00 8.00 18.00 16.00 2.00
	Block 7 Door DV3 Door DV4 Door D3 Window W Window W1	Sqm Sqm Sqm Sqm Sqm	7 4 6 6	1.05 0.9 2.0 1.8	Total	2.50 2.10 1.50 1.50	18.00 8.00 18.00 16.00

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
27	Repairing and fixing shutters (panelled or glazed) to doors, windows, ventilators and cupboards.						
	PWD 18-19,SI No.37.13,Pg No.267 B4 Block						
	Door-D	Sqm	12.00	1.15		2.30	32.00
	Door-D2	Sqm	3.00	1.20		2.10	8.00
	Window-W Window-W1	Sqm	3.00 5.00	1.15 1.15		1.55 1.15	5.00 7.00
	Window-W1 Window W2 -Sliding	Sqm Sqm	2.00	1.15		1.15	2.00
	B5 Block	Oqiii	2.00	1.00		1.20	2.00
	Door D	Sqm	4	1.05		2.10	9.00
	Door D2	Sqm	1	0.90		2.10	2.00
	Window-W Stage	Sqm	6	0.90		1.25	7.00
	Door-D	Sqm	2	1.20		2.10	5.00
	Block 7	•					
	Door DV3	Sqm	3	0.90		2.50	7.00
	Door DV4 Door D3	Sqm Sqm	7	1.05 0.90		2.50 2.10	18.00 8.00
	Window W	Sqm	6	2.00		1.50	18.00
	Window W1	Sqm	6	1.80		1.50	16.00
	V1	Sqm	1	3.37		0.60	2.00
	V2	Sqm	2	1.20		0.60	1.00
	Total 70% Quantity	Sqm			Total		147.00 102.90
	Total 70 % Quantity	Sqiii			Total		102.30
28	KSRB 15-15.1: Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - do- with primer PWD 18-19,SI No.15.51.2,Pg No.119						
	B4 Block						
	Office	Sqm	2	15.06		4.15	125.00
	Store Room	Sqm	2	9.68		4.15	80.00
	Room	Sqm	4	12.00		4.15	199.00
	Room	Sqm	4	8.27 10.87		4.15	137.00 90.00
	PUC Principal chamber HS Principal Chamaber	Sqm Sqm	2	10.87		4.15 4.15	90.00
	Anna dasoha Room	Sqm	2	13.60		3.00	82.00
	Ded						
	Door-D	Sqm	-12	1.15		2.30	-32.00
	Door-D2 Window-W	Sqm Sqm	-3 -3	1.20 1.15		2.10 1.55	-8.00 -5.00
	Window-W1	Sqm	-5 -5	1.15		1.15	-7.00
	Window W2 -Sliding	Sqm	-2	1.00		1.20	-2.00
	B5 Block						
	Store Room	Sqm	2	8.75		3.25	57.00
	Kitchen Toilet	Sqm Sqm	2	16.17 2.27		3.25 0.9	105.00 4.00
	Ded	Oqiii		2.27		0.0	1.00
	Door D	Sqm	-4	1.05		2.10	-9.00
	Door D2	Sqm	-1	0.90		2.10	-2.00
	Window-W Ventilator V2	Sqm Sqm	-6 -1	0.90 0.80		1.25 0.60	-7.00 -0.48
	Stage	Sqm	2	11.45		3.50	80.15
	Ded	~ ¬				5.00	
	Door-D	Sqm	-2	1.20		2.10	-5.00
	Ventilator	Sqm	-4	0.80		0.60	-2.00
	Block 7 Principal Room	Sqm	2	10.34		3.25	67.00
	Toilet	Sqm	4	4.12		1.25	21.00
	Office	Sqm	2	7.69		3.25	50.00
	Staff Room	Sqm	2	10.34		3.25	67.00
	Staircase Room Room	Sqm Sqm	2 4	10.34 10.34		3.25 3.25	67.00 134.00
	NSC	Sqm	2	10.34		3.25	67.00
	Toilet	Sqm	8	2.4		1.15	22.00
	Toilet Passage	Sqm	2	6.67		1.15	15.00
	Room	Sqm	2	4.00		3.25	26.00
	Ded Door DV3	Sqm	-3	0.90		2.50	-7.00
	Door DV4	Sqm	-3 -7	1.05		2.50	-7.00 -18.00
	Door D3	Sqm	-4	0.90		2.10	-8.00
				2.00		1.50	10.00
	Window W Window W1	Sqm Sqm	-6 -6	1.80		1.50	-18.00 -16.00

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
01.110.	V1	Sqm	-1	3.37	Dicadiii	0.60	-2.00
	V2	Sqm	-2	1.20		0.60	-1.00
	Total Quantity	Sqm			Total		1435.67
29	Supplying and fixing new Mangalore tiles on existing reepers. PWD 18-19,SI No.37.9,Pg No.267						
	B4 Block	Sqm	1				326.00
	Stage	Sqm	1				78.00
		Sqm	1		Total		50.70 454.70
	Total 60% Quantity	Sqm Sqm			Total		272.82
	Total 00 % Quantity	Oqiii					272.02
30	KSRB 8.4: Providing and fixing Mangalore tile roofing using first class tiles with necessary special tiles for ridges and hips, wood reepers and pointed with cement mortar 1:4 over the existing rafters including cost of materials, labour, curing complete as per specifications. Specification No. KBS 8.17KSRB 8.4-2: do- Nandi wood reepers of size 50x25mm PWD 18-19,SI No.8.11						
	B4 & Stage	Sqm	1				454.70
		Sqm			Total		454.70
	Total 40% Quantity	Sqm					181.88
31	Removing and fixing old Mangalore ridge tiles including pointing with C.M. 1:3. PWD 18-19,SI No.37.10,Pg No.267						
	B4 Block	Rmt	1	56.20			56.20
	B5 Block	Rmt	1	17.60			17.60
	Stage	Rmt	1	6.50			6.50
		Rmt			Total		80.30
	Total 75% Quantity	Rmt					60.23
32	excluding priming coat) on previously painted wood surface and / or wood based surface with black japan paint to give an even shade after cleaning the surface of all dirt, dust and foreign matter, including cost of materials, labour, complete as per specifications. PWD 18-19,SI No.15.71,Pg No.123 B4 Block						
	Door-D	Sam	12	1.15		2.30	31.74
	Door-D2	Sqm	3	1.20		2.10	7.56
	Window-W	Sqm	3	1.15		1.55	5.35
	Window-W1	Sqm	5	1.15		1.15	6.61
	Wooden Column	Sqm	14	0.80		2.10	23.52
	B5 Block Door D	Sqm	4	1.05		2.10	8.82
	Door D2	Sqm	1	0.90		2.10	1.89
	Window-W	Sqm	6	0.90		1.25	6.75
	Wooden Column	Sqm	5	0.8		1.80	7.20
	Stage						
	Door-D	Sqm	2	1.20		2.10	5.04
	Block 7	Sqm	3	0.90		2.50	6.75
	Door DV3 Door DV4	Sqm	7	1.05		2.50	18.38
	Door D3	Sqm	4	0.90		2.10	7.56
	Window W	Sqm	6	2.00		1.50	18.00
	Window W1	Sqm	6	1.80		1.50	16.20
33	KSRB 15-17.19:Applying additional one coat (excluding priming coat) on previously painted wood surface and / or wood based surface with black japan paint to give an even shade after cleaning the surface of all dirt, dust and foreign matter, including cost of materials, labour, complete as per specifications.	Sqm			Total		171.37
	PWD 18-19,SI No.15.72,Pg No.123 B4 Block Door-D	Sqm	12	1.15		2.3	31.74
	Door-D2	Sqm	3	1.20		2.10	7.56
	Window-W	Sqm	3	1.15		1.55	5.35
	Window-W1	Sqm	5	1.15		1.15	6.61
	Wooden Column	Sqm	14	0.8		2.10	23.52
	B5 Block Door D	Sqm	4	1.05		2.10	8.82
	Door D2	Sqm	1	0.90		2.10	1.89
	Window-W	Sqm	6	0.90	<u> </u>	1.25	6.75

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	Wooden Column	Sqm	5	0.80		1.80	7.20
	Stage						
	Door-D	Sqm	2	1.20		2.10	5.04
	Block 7 Door DV3	Sqm	3	0.90		2.50	6.75
	Door DV4	Sqm	7	1.05		2.50	18.38
	Door D3	Sqm	4	0.90		2.10	7.56
	Window W	Sqm	6	2.00		1.50	18.00
	Window W1	Sqm	6	1.80		1.50	16.20
		Sqm			Total		171.37
34	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification PWD 18-19,SI No.10.5.1,Pg No 69						
	B4 Block B5 Block	Sqm Sqm	1 1	79.00 16.50		0.45 0.45	35.55 7.43
	Stage	Sqm	1	25.92		0.45	11.66
	B7 Block	Sqm	1	73.00		0.45	32.85
	B7 Block RCC Slab	Sqm	1	30.00	11.00		330.00
		Sqm			Total		417.49
35	KSRRB M300- Planting and Maintaining of Flowering Plants and Shrubs KSRRB M300- 8.1. Planting and Maintaining of Flowering Plants and Shrubs - A) Planting flowring plants and shrubs in central verge MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149						
	Compound wall side -Right,front & Back side	Rmt	1.00	135.00			135.00
	Total Qty	Rmt			Total		135.00
36	Providing and laying heavy duty Tactile Tiles (Direction and Stop tiles-300 x 300 mm) 60mm thick and Yellow in colour , using cement and course sand for manufacture of blocks of approved size, shape with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. (As Per EOI)						
	Outside Basket Ball Ground	Sqm	1.00	26.00	0.30		7.80
	School Building Outside	Sqm	1.00	137.00 168.00	0.55 0.74		75.00
	BEO office Outside Total Qty-100%	Sqm Sqm	1.00	100.00	0.74		125.00 207.80
	Total Qty-20%	Sqm			Total		41.56
	10th 4ty-2070	Jqiii			rotai		71.30
37	KSRRB M300-Turfing lawns with fine grassing including ploughing, dressing KSRRB M300-5. Turfing lawns with fine grassing including ploughing, dressing including breaking of clods, removal of rubbish, dressing and supplying doobs grass roots at 10 cm apart, including supplying and spreading of farm yard manure at rate of 0.6 cum per 100 sqm complete as per specifications. MORTH Specification No. 307 PWD SOR 18-19,SI No.19.82,Pg No149						
	Near Sports Room	Sqm	1.00	160.00	Area		160.00
	Trous Sporto (North	Sqm		. 55.00	Total		160.00
	i			1		i II	

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
38	KSRRB M300- Maintenance of lawns with fine grassing for the first year KSRRB M300-6. Maintenance of lawns with fine grassing for the first year including watering etc complete as per specifications. MORTH Specification No. 307. PWD SOR 18-19,SI No.19.83,Pg No149						
	Near Sports Room	Sqm	1.00	160.00	Area		160.00
		Sqm			Total		160.00
39	Providing and fixing Vitrified glazed tiles of approved make, quality & colour of size 900 x 900 x 12mm thick fixed on bed of 12mm thick cement mortar for flooring, skirting and JOinted with neat cement slurry mixed with pigment to mach shade of tiles, including providing spacers at required interval and removing stains, including cost of all mateirals, mortar, labour, etc., Complete as per specification. (KPWD 18-19,SI.No.14.45.1)						
	Qty from SI No.36	Sqm	1.00		T-4-1		207.80
	Total Qty -80%	Sqm			Total		166.24
40	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete. do- of size 450 x 150 x 400 mm (KSRRB 18-19,Pg No.27,SI No.5.29.1)						
	Total Qty for 1 Kerb Stone	Cum	1.00	0.45	0.33	0.4	0.06
	Total Oty	Rmt	1.00	78.00	Tatal		78.00
	Total Qty	No			Total		173.00
41	include surface preparation by mechanical means using Grinding machines with frequency control drive and planetry drive, equipped with a vaccum pipe for dust collection. where operating width should not be more than 400mm, power 5HP 3phase, voltage 220V/415V, Motor speed should be 700 RPM-900 RPM followed by Hand grinding machine for non approachable areas as directed in BS 8203: Code of practice for installation of resilient floor coverings,BS 8204 Parts 1, 3, 6 and 7 and FERFA followed by as required all in complete as per manufacturers and EIC. Work need to be done by flooring specialist only recommended by Flowcrete only. 2.Clean the surface thoroughly, fix the shear anchor with designed gap of construction and control joint.						
	3. Supplying and Installing Versaspeed / Thin top Supreme/ Eucocrete of FLOWCRETE (USA) versatile, single-component, rapid-setting mortar for horizontal, and form and pour repair projects. Requiring only the addition of water and 25% -40% pea aggregates, where the compressive strength should be 58.6Mpa as per ASTM C 109, Flexural strength as per ASTM C 348 should be 6.2Mpa in 1 day, Linear shrinkage as per ASTM C157 should be -0.083%, chloride permeability should be 900 coulombs as per ASTM C 1202 along with along with TUF-STRAND SF "structural fibers" of FLOWCRETE are a patented polypropylene / polyethylene synthetic macro-fiber successfully used to replace steel fibers, welded wire mesh and conventional reinforcing bars in a wide variety of applications. TUF- STRAND SF fibers comply with ASTM C1116, Standard Specification for Fiber Reinforced Concrete and Shotcrete, and are specifically designed to provide equivalent tensile and bending resistance to conventional reinforcement requirements. Concrete reinforced with TUF- STRAND SF will have three-dimensional reinforcing with enhanced flexural toughness, impact and abrasion resistance and will also help mitigate the formation of plastic shrinkage cracking in concrete. Dosage rates will vary depending upon the reinforcing requirements and can range from 1.8 kg/m³ to 12 kg/m³. TUF- STRAND SF synthetic macro-fibers comply with applicable portions of the International Code Council (ICC)						

Sr.No.	Descriptions	Unit	Nos.	Length	Breadth	Depth	Quantity
	Acceptance Criteria AC32 for synthetic fibers, are UL certified for composite metal deck construction and are recognized within ACI 360 and SDI/ANSI-C1.0 as a reinforcing alternate to WWF. Mixing and applying repair Mortar as per the manufacturer's recommendations within the open time of the bonding agents. Finish to level of surrounding concrete surface utilizing techniques recommended and finished with bull floater top of by manufacturer or as per the site Engineer. THICKNESS- 30MM (Market Rate)						
	Basket Ball Ground	Sqm	1.00	26.00	14.00		364.00
	Total Qty	Sqm			Total		364.00
	OUTTING OF IGNITO						
42	CUTTING OFJOINTS Cutting 10mmX10mm joint where the joint a/b should not be more than 1.02, (As per TR34). followed by Providing and filling Decksheild putty/ EUCO700 all in complete as per manufacturer direction or EIC.	Rmt	2.00	26.00			52.00
	Basket Ball Ground	Rmt	3.00	14.00			42.00
	Total Qty	Rmt			Total		94.00
	PARCKING COATING- DECKSHEILD SYSTEM- FLOWCRETE						
43	To supply and apply Green Label certified Decksheild system, low VOC as per ISO11890-2 resulted in Very Low <20g/L, solvent free, flexible polyurethane park deck coating system providing a colourful watertight, hard- wearing surface for intermediate decks of multi-storey, basement and other trafficable suspended floors consisting of 3 component, solvent free, Polyurethane based primer/body coat/binding agent having solid content of approximately 100% which accepts silica aggregate scatter to produce an anti skid surface as well as 2 component, coloured, flexible polurethane coating having 100% solid contents to seal the aggregate layer where UV light staibility is not critical having chemical resistance property to Petrol, Diesel, Antifreeze, Hydraulic Fluids, Chlorides & Battery Acids etc. Technical profile having Fire resistance -BS476-3 Designated EXT.F.AA, Slip Resistance as per TRRL Pendulum Slip Test resulted in Dry>40. Wet>40 (Low Slip Potential), Abrasion Resiatance as per Taber Abrader resulted in 0.1 mg loss per 1000 cycles (1Kg Load using CS17 wheels). For exposed area UV stable 2 component Polyurethane based top coat having abrasion resistance as per Taber Abrader: 0.1g loss per 1000 cycles, 100% UV Light stable & prevents from yellowing effect, followed by as required all in complete as per manufacturers and EIC (Market Rate)	Sqm	1.00	26.00	14.00		364.00
	Total Qty	Sqm			Total		364.00
44	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 (KSRB 18-19,SI No.24.15)						
	Entrance Area	Sqm	1.00	93.00	0.15		13.95
	Circular	Sqm	1.00	12.00	0.15		1.80
	Total Qty	Sqm			Total	l	15.75

Executive Engineer MSCL Mangaluru

GM Technical MSCL Mangaluru

MANGALURU SMART CITY 1.4 Rate Analysis of E-SMART SCHOOL

RATE ANALYSIS - CARSTREET

1	periphery of the area cleaned complete as pe			
	PWD 18-19,Page No 138,Sl No.18.10)			
	Basic rate		25755	
	Sub Total		25755	
	Add 10% For area weightage		2575.50	
	Total	Rate	28330.50	На
2	KSRB 24-9: Cleaning and washing of stone r labour, complete as per specifications. Specif	•	c acid including o	cost of materia
	(Page No 130,SI No : 16.4)		F 00	
	Basic rate		5.00	
	Sub Total		5.00	
	Add 10% For area weightage		0.50	
	Total	Rate	5.50	Sqm
	3.5N/mm2 for saturated dry samples.For super (KPWD 18-19,Page No 384,SI No : 42.5.3)	Si Silaciais III Sivi 1.0 (Geille	AR TO RYS/IVIO)	
	Basic rate		3391	
	Basic rate Sub Total		3391 3391	
	Sub Total			
	Sub Total Add 10% For area weightage Total	Rate	3391 339.10 3730.10	Cum
4	Sub Total Add 10% For area weightage	plaster in single coat with cem orners wherever required smo	339.10 3730.10 3730.10 nent mortar 1:4, tooth rendering, : F	o stone maso Providing and
4	Sub Total Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cement and concrete surface including rounding off coremoving scaffolding, including cost of materia PWD 18-19,SI No.15.19,Pg No 116	plaster in single coat with cem orners wherever required smo	3391 339.10 3730.10 nent mortar 1:4, tooth rendering, : For specification	o stone masc Providing and ns.
4	Sub Total Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cement and concrete surface including rounding off coremoving scaffolding, including cost of material	plaster in single coat with cem orners wherever required smo	3391 339.10 3730.10 nent mortar 1:4, tooth rendering, : For specification	o stone masc Providing and ns.
4	Sub Total Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cement and concrete surface including rounding off coremoving scaffolding, including cost of materia PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total	plaster in single coat with cem orners wherever required smo	3391 339.10 3730.10 nent mortar 1:4, tooth rendering, : For specification	o stone masc Providing and ns.
4	Sub Total Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cement and concrete surface including rounding off coremoving scaffolding, including cost of materia PWD 18-19,SI No.15.19,Pg No 116 Basic rate	plaster in single coat with cem orners wherever required smo	3391 339.10 3730.10 nent mortar 1:4, tooth rendering, : For specification 273 273	o stone masc Providing and ns.
4	Sub Total Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cement and concrete surface including rounding off coremoving scaffolding, including cost of materia PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage	plaster in single coat with cemorners wherever required smootals, labour, curing complete as Rate Rate nal walls in two coats with wate throughly brooming the surface	3391 339.10 3730.10 3730.10 nent mortar 1:4, tooth rendering, : Feat specification 273 273 27.30 300.30 erproof cement pose to remove all common specific to the specific t	o stone maso Providing and ns. Sqm aint of approviding and loose
	Sub Total Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cement and concrete surface including rounding off coremoving scaffolding, including cost of materia PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1 : Providing and finishing extern brand and shade to give an even shade after powdered material, free from mortar drops an per specifications do - with Primer	plaster in single coat with cemorners wherever required smootals, labour, curing complete as Rate Rate nal walls in two coats with wate throughly brooming the surface	3391 339.10 3730.10 3730.10 nent mortar 1:4, tooth rendering, : Feat specification 273 273 27.30 300.30 erproof cement pose to remove all common specific to the specific t	o stone maso Providing and ns. Sqm aint of approviding and loose
	Sub Total Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cement and concrete surface including rounding off coremoving scaffolding, including cost of materia PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1 : Providing and finishing extern brand and shade to give an even shade after powdered material, free from mortar drops an per specifications do - with Primer PWD 18-19,SI No.15.53.2,Pg No 120	plaster in single coat with cemorners wherever required smootals, labour, curing complete as Rate Rate nal walls in two coats with wate throughly brooming the surface	3391 339.10 3730.10 3730.10 nent mortar 1:4, tooth rendering, : Feat specification 273 273 27.30 300.30 erproof cement pose to remove all commaterials, labour	o stone masc Providing and ns. Sqm aint of approviding and loose r, complete as
	Sub Total Add 10% For area weightage Total KSRB 15.3.10 Providing 20mm thick cement and concrete surface including rounding off coremoving scaffolding, including cost of materia PWD 18-19,SI No.15.19,Pg No 116 Basic rate Sub Total Add 10% For area weightage Total KSRB 15-16.1 : Providing and finishing extern brand and shade to give an even shade after powdered material, free from mortar drops an per specifications do - with Primer PWD 18-19,SI No.15.53.2,Pg No 120 Basic Rate	plaster in single coat with cemorners wherever required smootals, labour, curing complete as Rate Rate nal walls in two coats with wate throughly brooming the surface	3391 339.10 3730.10 3730.10 nent mortar 1:4, tooth rendering, : For specification 273 273 27.30 300.30 erproof cement pose to remove all commaterials, labour 102.00	o stone maso Providing and ns. Sqm aint of approvidint and loose c, complete as

	Providing external walls with texture finish using	ng approved brand paint, ap	oplied uniformly in	three coats
	over one coat of primer including cost of all ma	•	•	
6	unloading, all lead and lift and all other incident	al charges including scaffol	ding and removin	g stains,
	complete as per specifications.			
	(KPWD 18-19,SI No.15.103)			
	Basic Rate		340.00	
	Sub Total		340	
	Add 10% For Area weightage		34.00	
	Total	Rate	374.00	
	KSRRB MS00-10 Painting new letter and figu	res of any shade with synth	etic enamel paint	black or any
	other approved colour to give an even shade c	omplete as per specification	ns. ("ii) English ar	nd Roman -
7	Hyphen and the like not to be measured and page	aid for"		
	MORTH Specification No.801			
	(KSRRB 18-19,SI No.24.10)			
	Basic Rate		0.70	
	Sub Total		0.7	
	Add 10% For Area weightage		0.07	
	Total	Rate	0.77	
		-	•	•
	Cleaning RCC sump tanks and RCC overhead	tanks with mechanical dew	atering including	removal of
	sludge, mud, dirt, algea etc and cleaning the w			
	and spraying anti bacterial treatment to the wa	all and ceiling surfaces and	UV treatment, in	cluding removin
8	of sludge etc, using suitable coconut broomstic	ck, squeesers I wipers I rub	ber brushes, coir	brushes,
	plastic buckets, mugs, dewatering using motor	r with portal arrangement, h	nose pipe etc., co	mplete including
	all safety measures.			
	(KPWD 18-19,SI No.10.7)			
	Basic Rate		0.35	
	Sub Total		0.35	
	Add 10% For Area weightage		0.04	
	Total	Rate	0.39	L
	KSRB 15-18.3 : Providing and applying ename			
9	painted steel or other metal surface brushing to	_		e, dirt and other
3	foreign matter, including cost of materials, laborated and the cost of materials and the cost of materials.	our, complete as per specific	cations.	
	PWD 18-19,SI No.15.75,Pg No 123			
	Basic Rate		61.00	
	Sub Total		61	
	Add 10% For Area weightage		6.10	
	Total	Rate	67.10	
		ı	•	
	KSRB 2-2.1 : Earthwork excavation for foundate	tion of buildings, water supp	ly, sanitary lines	and electrical
	conduits either in pits or in trenches 1.5m and	above in width, in ordinary	soil not exceeding	g 1.5 m. in deptl
4.0	including dressing the bottom and sides of pits			
10	of excavation with lead upto 50 m. after breaking	ng of clods complete as per	specifications. sp	ecification. No.
	KBS 2.1(a) / 2.3.5			
	PWD 18-19,SI No.2.3,Pg No 6			
	Basic Rate		299.00	1
	Sub Total		299	
	add 10% For Area weightage		29.90	
	Total	Rate	328.90	
		11010	320.00	

			المهمم طائنين الماطا	c concrete
	KSRB 14.9-2: Providing and laying M-15 ceme	ent concrete flooring 60 mm	thick with metalli	C COLICIEIE
	hardner topping, under layer of 45mm thick M	-15 cernent concrete usina b	roken granite me	tal of 20mm and
	down size and top layer of 15mm thick metallic		•	
			•	
11	mix: 2 granite metal 10mm nominal size) by			
• •	mix in the ratio of 4:1 (4 part of cement= 1 part			
	wt), including finishing, cost of materials, labor	ur, curing, complete as per s	pecifications. Spe	ecification No.
	KBS 14.4			
	PWD 18-19,SI No.14.14			
	· ·		705.00	
	Basic Rate		725.00	
	Sub Total		725	
	add 10% For Area weightage		72.50	
	Total	Rate	797.50	
	1 0 0 0 0	11000	101100	<u> </u>
	KORD 4.4.0 - Bootidies and levies in a seldies a	lain agent agent af Nice	4.0.4	@ 040l
	KSRB 4-1.6; Providing and laying in position p			•
	20mm and down size graded granite metal coa			_
	0.53cum, machine mixed, concrete laid in laye	rs not exceeding 15 ems. thi	ick, well compacte	ed, in
12	foundation, plinth and cills, including cost of all	materials, labour, HOM curi	ng complete as p	er
	specifications. Specification No. KBS 4.1, 4.2	,	0 1 1	
	PWD 18-19,SI No.4.6,Pg No 13			
	F VV D 10-19,51 No.4.0,Fg No 13			
	Basic Rate		5900.00	
	Sub Total		5900	
	add 10% For Area weightage		590.00	
	Total	Rate	6490.00	Cum
	Providing and laying in position reinforced cem	ent concrete, of design mix	M25 with OPC ce	ment @
	340kgs, with 20mm and down size graded grain			
		conforming to IS 9103-1999		
	mixed, concrete laid in layers not exceeding 15			
13	mixed, concrete laid in layers not exceeding 15	cms thick, vibrated for all w	orks in foundation	n for footings,
13	mixed, concrete laid in layers not exceeding 15 pedestrals, retaining walls, returnwalls, walls (a	5 cms thick, vibrated for all wany thickness) including attac	orks in foundation ched pilasters, co	n for footings, lumnspillars,
13	mixed, concrete laid in layers not exceeding 15 pedestrals, retaining walls, returnwalls, walls (a posts, struts, buttresses, bed blocks, anchor blocks)	5 cms thick, vibrated for all wany thickness) including attactions & plinths etc including	orks in foundation ched pilasters, co cost of all materia	n for footings, lumnspillars,
13	mixed, concrete laid in layers not exceeding 15 pedestrals, retaining walls, returnwalls, walls (a posts, struts, buttresses, bed blocks, anchor blof machinery, curing, complete but excluding complete but excluding complete structures.	5 cms thick, vibrated for all wany thickness) including attactions & plinths etc including	orks in foundation ched pilasters, co cost of all materia	n for footings, lumnspillars,
13	mixed, concrete laid in layers not exceeding 15 pedestrals, retaining walls, returnwalls, walls (a posts, struts, buttresses, bed blocks, anchor blocks)	5 cms thick, vibrated for all wany thickness) including attactions & plinths etc including	orks in foundation ched pilasters, co cost of all materia	n for footings, lumnspillars,
13	mixed, concrete laid in layers not exceeding 15 pedestrals, retaining walls, returnwalls, walls (a posts, struts, buttresses, bed blocks, anchor blof machinery, curing, complete but excluding complete but excluding complete structures.	5 cms thick, vibrated for all wany thickness) including attactions & plinths etc including	orks in foundation ched pilasters, co cost of all materia	n for footings, lumnspillars,
13	mixed, concrete laid in layers not exceeding 15 pedestrals, retaining walls, returnwalls, walls (a posts, struts, buttresses, bed blocks, anchor blof machinery, curing, complete but excluding c PWD 18-19,SI No.4.10,Pg No 14	5 cms thick, vibrated for all wany thickness) including attactions & plinths etc including	orks in foundation ched pilasters, co cost of all materia specifications.	n for footings, lumnspillars,
13	mixed, concrete laid in layers not exceeding 15 pedestrals, retaining walls, returnwalls, walls (a posts, struts, buttresses, bed blocks, anchor blof machinery, curing, complete but excluding c PWD 18-19,SI No.4.10,Pg No 14 Basic Rate	5 cms thick, vibrated for all wany thickness) including attactions & plinths etc including	orks in foundation ched pilasters, co cost of all material specifications.	n for footings, lumnspillars,
13	mixed, concrete laid in layers not exceeding 15 pedestrals, retaining walls, returnwalls, walls (a posts, struts, buttresses, bed blocks, anchor blof machinery, curing, complete but excluding c PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total	5 cms thick, vibrated for all wany thickness) including attactions & plinths etc including	vorks in foundation ched pilasters, co cost of all material specifications. 6198.00	n for footings, lumnspillars, als, labour, HOM
13	mixed, concrete laid in layers not exceeding 15 pedestrals, retaining walls, returnwalls, walls (a posts, struts, buttresses, bed blocks, anchor blof machinery, curing, complete but excluding c PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total add 10% For Area weightage	5 cms thick, vibrated for all wany thickness) including attactions & plinths etc including	vorks in foundation ched pilasters, co cost of all material specifications. 6198.00 619.80	n for footings, lumnspillars, als, labour, HOM
13	mixed, concrete laid in layers not exceeding 15 pedestrals, retaining walls, returnwalls, walls (a posts, struts, buttresses, bed blocks, anchor blof machinery, curing, complete but excluding c PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total	5 cms thick, vibrated for all wany thickness) including attactions & plinths etc including	vorks in foundation ched pilasters, co cost of all material specifications. 6198.00	n for footings, lumnspillars, als, labour, HOM
13	mixed, concrete laid in layers not exceeding 15 pedestrals, retaining walls, returnwalls, walls (a posts, struts, buttresses, bed blocks, anchor blof machinery, curing, complete but excluding c PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total add 10% For Area weightage	5 cms thick, vibrated for all wany thickness) including attaction at the locks & plinths etc including cost of reinforcement as person	vorks in foundation ched pilasters, co cost of all material specifications. 6198.00 619.80	n for footings, lumnspillars, als, labour, HOM
13	mixed, concrete laid in layers not exceeding 15 pedestrals, retaining walls, returnwalls, walls (a posts, struts, buttresses, bed blocks, anchor blof machinery, curing, complete but excluding c PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total add 10% For Area weightage Total	come thick, vibrated for all wany thickness) including attaction attaction cost of reinforcement as per second Rate	vorks in foundation ched pilasters, co cost of all material specifications. 6198.00 6198 619.80 6817.80	n for footings, lumnspillars, als, labour, HOM
13	mixed, concrete laid in layers not exceeding 15 pedestrals, retaining walls, returnwalls, walls (a posts, struts, buttresses, bed blocks, anchor blof machinery, curing, complete but excluding c PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total add 10% For Area weightage Total Providing TMT steel reinforcement for R.C.C was a second content of the	come thick, vibrated for all wany thickness) including attaction at a locks & plinths etc including sost of reinforcement as per second attacks. Rate work including straightening,	vorks in foundation ched pilasters, co cost of all material specifications. 6198.00 6198 619.80 6817.80 cutting, bending,	n for footings, lumnspillars, als, labour, HOM Cum hooking, placing
13	mixed, concrete laid in layers not exceeding 15 pedestrals, retaining walls, returnwalls, walls (a posts, struts, buttresses, bed blocks, anchor blof machinery, curing, complete but excluding of PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total add 10% For Area weightage Total Providing TMT steel reinforcement for R.C.C win position, lapping and / or welding wherever residence.	coms thick, vibrated for all wany thickness) including attact locks & plinths etc including cost of reinforcement as per second reinforcement	vorks in foundation ched pilasters, co cost of all material specifications. 6198.00 6198 619.80 6817.80 cutting, bending, vire and anchoring	n for footings, lumnspillars, als, labour, HOM Cum hooking, placing to the adjoining
	mixed, concrete laid in layers not exceeding 15 pedestrals, retaining walls, returnwalls, walls (a posts, struts, buttresses, bed blocks, anchor blof machinery, curing, complete but excluding c PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total add 10% For Area weightage Total Providing TMT steel reinforcement for R.C.C win position, lapping and / or welding wherever members wherever necessary complete as pe	coms thick, vibrated for all wany thickness) including attact locks & plinths etc including cost of reinforcement as per services. Rate work including straightening, required, tying with binding war design (laps and wastage services).	vorks in foundation ched pilasters, co cost of all material specifications. 6198.00 6198 619.80 6817.80 cutting, bending, vire and anchoring shall not be meas	n for footings, lumnspillars, als, labour, HOM Cum hooking, placing to the adjoining ured and paid)
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	mixed, concrete laid in layers not exceeding 15 pedestrals, retaining walls, returnwalls, walls (a posts, struts, buttresses, bed blocks, anchor blof machinery, curing, complete but excluding of PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total add 10% For Area weightage Total Providing TMT steel reinforcement for R.C.C win position, lapping and / or welding wherever members wherever necessary complete as pecost of materials, labour, HOM of machinery controls.	coms thick, vibrated for all wany thickness) including attact locks & plinths etc including cost of reinforcement as per services. Rate work including straightening, required, tying with binding war design (laps and wastage services).	vorks in foundation ched pilasters, co cost of all material specifications. 6198.00 6198 619.80 6817.80 cutting, bending, vire and anchoring shall not be meas	n for footings, lumnspillars, als, labour, HOM Cum hooking, placing to the adjoining ured and paid)
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	mixed, concrete laid in layers not exceeding 15 pedestrals, retaining walls, returnwalls, walls (a posts, struts, buttresses, bed blocks, anchor blof machinery, curing, complete but excluding complete but e	coms thick, vibrated for all wany thickness) including attact locks & plinths etc including cost of reinforcement as per services. Rate work including straightening, required, tying with binding war design (laps and wastage services).	corks in foundation ched pilasters, co cost of all material specifications. 6198.00 6198 619.80 6817.80 cutting, bending, vire and anchoring shall not be meast as per specifications.	n for footings, lumnspillars, als, labour, HOM Cum hooking, placing to the adjoining ured and paid)
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	mixed, concrete laid in layers not exceeding 15 pedestrals, retaining walls, returnwalls, walls (a posts, struts, buttresses, bed blocks, anchor blof machinery, curing, complete but excluding complete but e	coms thick, vibrated for all wany thickness) including attact locks & plinths etc including cost of reinforcement as per services. Rate work including straightening, required, tying with binding war design (laps and wastage services).	vorks in foundation ched pilasters, co cost of all material specifications. 6198.00 6198 619.80 6817.80 cutting, bending, vire and anchoring shall not be meas as per specificate.	n for footings, lumnspillars, als, labour, HOM Cum hooking, placing to the adjoining ured and paid)
	mixed, concrete laid in layers not exceeding 15 pedestrals, retaining walls, returnwalls, walls (a posts, struts, buttresses, bed blocks, anchor blof machinery, curing, complete but excluding of PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total add 10% For Area weightage Total Providing TMT steel reinforcement for R.C.C win position, lapping and / or welding wherever members wherever necessary complete as pecost of materials, labour, HOM of machinery of directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total	coms thick, vibrated for all wany thickness) including attact locks & plinths etc including cost of reinforcement as per services. Rate work including straightening, required, tying with binding war design (laps and wastage services).	vorks in foundation ched pilasters, co cost of all material specifications. 6198.00 6198 619.80 6817.80 cutting, bending, vire and anchoring shall not be meas a sper specificate 70782.00 70782	n for footings, lumnspillars, als, labour, HOM Cum hooking, placing to the adjoining ured and paid)
	mixed, concrete laid in layers not exceeding 15 pedestrals, retaining walls, returnwalls, walls (a posts, struts, buttresses, bed blocks, anchor blof machinery, curing, complete but excluding of PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total add 10% For Area weightage Total Providing TMT steel reinforcement for R.C.C win position, lapping and / or welding wherever members wherever necessary complete as pecost of materials, labour, HOM of machinery of directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage	Rate work including straightening, equired, tying with binding wr design (laps and wastage somplete with all lead lifts and	vorks in foundation ched pilasters, co cost of all material specifications. 6198.00 6198 619.80 6817.80 cutting, bending, vire and anchoring shall not be meast as per specificate 70782.00 70782.	n for footings, lumnspillars, als, labour, HOM Cum hooking, placing to the adjoining ured and paid) ions and
	mixed, concrete laid in layers not exceeding 15 pedestrals, retaining walls, returnwalls, walls (a posts, struts, buttresses, bed blocks, anchor blof machinery, curing, complete but excluding of PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total add 10% For Area weightage Total Providing TMT steel reinforcement for R.C.C win position, lapping and / or welding wherever members wherever necessary complete as pecost of materials, labour, HOM of machinery of directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total	coms thick, vibrated for all wany thickness) including attact locks & plinths etc including cost of reinforcement as per services. Rate work including straightening, required, tying with binding war design (laps and wastage services).	vorks in foundation ched pilasters, co cost of all material specifications. 6198.00 6198 619.80 6817.80 cutting, bending, vire and anchoring shall not be meas a sper specificate 70782.00 70782	n for footings, lumnspillars, als, labour, HOM Cum hooking, placing to the adjoining ured and paid) ions and
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14	mixed, concrete laid in layers not exceeding 15 pedestrals, retaining walls, returnwalls, walls (a posts, struts, buttresses, bed blocks, anchor blof machinery, curing, complete but excluding complete but e	Rate Rate Rate required, tying with binding were design (laps and wastage somplete with all lead lifts and returning, propping etc., and restrutting, propping etc., and restricting to the control of	vorks in foundation ched pilasters, co cost of all material specifications. 6198.00 6198 619.80 6817.80 cutting, bending, vire and anchoring shall not be meas as per specificate 70782.00 70782 7078.20 77860.20 removal of form w	n for footings, lumnspillars, als, labour, HOM Cum hooking, placing to the adjoining ured and paid) ions and MT
	mixed, concrete laid in layers not exceeding 15 pedestrals, retaining walls, returnwalls, walls (a posts, struts, buttresses, bed blocks, anchor blof machinery, curing, complete but excluding of PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total add 10% For Area weightage Total Providing TMT steel reinforcement for R.C.C win position, lapping and / or welding wherever members wherever necessary complete as pecost of materials, labour, HOM of machinery of directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing,centering, shuttering, sfoundations, footings, bases of columns for machinery for machinery columns for machinery columns for machinery columns.	Rate Rate Rate required, tying with binding were design (laps and wastage somplete with all lead lifts and returning, propping etc., and restrutting, propping etc., and restricting to the control of	vorks in foundation ched pilasters, co cost of all material specifications. 6198.00 6198 619.80 6817.80 cutting, bending, vire and anchoring shall not be meas as per specificate 70782.00 70782 7078.20 77860.20 removal of form w	n for footings, lumnspillars, als, labour, HOM Cum hooking, placing to the adjoining ured and paid) ions and MT
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14	mixed, concrete laid in layers not exceeding 15 pedestrals, retaining walls, returnwalls, walls (a posts, struts, buttresses, bed blocks, anchor blof machinery, curing, complete but excluding of PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total add 10% For Area weightage Total Providing TMT steel reinforcement for R.C.C win position, lapping and / or welding wherever members wherever necessary complete as pecost of materials, labour, HOM of machinery of directinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing,centering, shuttering, sfoundations, footings, bases of columns for machinery for machinery columns for machinery columns for machinery columns.	Rate Rate Rate required, tying with binding were design (laps and wastage somplete with all lead lifts and returning, propping etc., and restrutting, propping etc., and restricting to the control of	vorks in foundation ched pilasters, co cost of all material specifications. 6198.00 6198 619.80 6817.80 cutting, bending, vire and anchoring shall not be meas as per specificate 70782.00 70782 7078.20 77860.20 removal of form w	n for footings, lumnspillars, als, labour, HOM Cum hooking, placing to the adjoining ured and paid) ions and MT
14	mixed, concrete laid in layers not exceeding 15 pedestrals, retaining walls, returnwalls, walls (a posts, struts, buttresses, bed blocks, anchor blof machinery, curing, complete but excluding complete put excluding complete put excluding complete put excluding complete put excluding complete put excluding complete put excluding complete put excluding complete put excluding the providing TMT steel reinforcement for R.C.C with in position, lapping and / or welding wherever members wherever necessary complete as percost of materials, labour, HOM of machinery confideration of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total Add 10% For Area weightage Total Providing and removing, centering, shuttering, so foundations, footings, bases of columns for materials per specifications pwD 18-19,SI No.4.28,Pg No 16	Rate Rate Rate required, tying with binding were design (laps and wastage somplete with all lead lifts and returning, propping etc., and restrutting, propping etc., and restricting to the control of	vorks in foundation ched pilasters, co cost of all material specifications. 6198.00 6198 619.80 6817.80 cutting, bending, vire and anchoring shall not be meas as per specificate 70782.00 70782 7078.20 77860.20 removal of form w	n for footings, lumnspillars, als, labour, HOM Cum hooking, placing to the adjoining ured and paid) ions and MT
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14	mixed, concrete laid in layers not exceeding 15 pedestrals, retaining walls, returnwalls, walls (a posts, struts, buttresses, bed blocks, anchor blof machinery, curing, complete but excluding c PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total add 10% For Area weightage Total Providing TMT steel reinforcement for R.C.C win position, lapping and / or welding wherever members wherever necessary complete as pecost of materials, labour, HOM of machinery codirectinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing, centering, shuttering, sfoundations, footings, bases of columns for mass per specifications PWD 18-19,SI No.4.28,Pg No 16 Basic Rate Sub Total	Rate Rate Rate required, tying with binding were design (laps and wastage somplete with all lead lifts and returning, propping etc., and restrutting, propping etc., and restricting to the control of	corks in foundation ched pilasters, co cost of all materials specifications. 6198.00 6198 619.80 6817.80 cutting, bending, vire and anchoring shall not be meas as per specificate 70782.00 70782 7078.20 77860.20 removal of form wor all materials, lab	n for footings, lumnspillars, als, labour, HOM Cum hooking, placing to the adjoining ured and paid) ions and MT vork for pour complete
14	mixed, concrete laid in layers not exceeding 15 pedestrals, retaining walls, returnwalls, walls (a posts, struts, buttresses, bed blocks, anchor blof machinery, curing, complete but excluding c PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total add 10% For Area weightage Total Providing TMT steel reinforcement for R.C.C win position, lapping and / or welding wherever members wherever necessary complete as pecost of materials, labour, HOM of machinery codirectinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing,centering, shuttering, sfoundations, footings, bases of columns for mass per specifications PWD 18-19,SI No.4.28,Pg No 16 Basic Rate Sub Total add 10% For Area weightage	Rate Rate Rate Rate Frate Rate Rate Rate Rate Rate Rate Rate Rate Rate Rate Rate Rate Rate Rate Rate	corks in foundation ched pilasters, co cost of all materials specifications. 6198.00 6198 619.80 6817.80 cutting, bending, rire and anchoring shall not be meas as per specificate 70782.00 70782 7078.20 77860.20 removal of form worf all materials, late 263.00 263 263.00	n for footings, lumnspillars, als, labour, HOM Cum hooking, placing to the adjoining ured and paid) ions and MT vork for pour complete
14	mixed, concrete laid in layers not exceeding 15 pedestrals, retaining walls, returnwalls, walls (a posts, struts, buttresses, bed blocks, anchor blof machinery, curing, complete but excluding c PWD 18-19,SI No.4.10,Pg No 14 Basic Rate Sub Total add 10% For Area weightage Total Providing TMT steel reinforcement for R.C.C win position, lapping and / or welding wherever members wherever necessary complete as pecost of materials, labour, HOM of machinery codirectinon of Engineer-in-Charge. FE 500 PWD 18-19,SI No.4.46.2,Pg No 18 Basic Rate Sub Total add 10% For Area weightage Total Providing and removing, centering, shuttering, sfoundations, footings, bases of columns for mass per specifications PWD 18-19,SI No.4.28,Pg No 16 Basic Rate Sub Total	Rate Rate Rate required, tying with binding were design (laps and wastage somplete with all lead lifts and returning, propping etc., and restrutting, propping etc., and restricting to the control of	corks in foundation ched pilasters, co cost of all materials specifications. 6198.00 6198 619.80 6817.80 cutting, bending, vire and anchoring shall not be meas as per specificate 70782.00 70782 7078.20 77860.20 removal of form wor all materials, lab	n for footings, lumnspillars, als, labour, HOM Cum hooking, placing to the adjoining ured and paid) ions and MT vork for pour complete

	Providing and removing centering, shuttering, stru			
16	surface such as walls at any thickness, including		es plinth cills an	d string courses
	cost of all materials, labour complete as per spec PWD 18-19,SI No.4.31,Pg No 16	incations.		
	Basic Rate	<u> </u>	264.00	
			361.00	
	Sub Total		361	
	add 10% For Area weightage Total	Dete	36.10 397.10	
	Total	Rate	397.10	Sqm
	KSRRB M2200 - Providing Weep holes Providing	weep holes in Brick masc	onry / Plain / Re	inforced
	concrete abutment, wing wall / return wall with 10	•	•	
17	structure with slope of 1V:20H towards drawing for	• •	•	
	complete as per specifications.		· ·	·
	PWD 18-19,SI No.28.10,Pg No 229			
	Basic Rate		147.00	
	Sub Total		147	
	add 10% For Area weightage		14.70	
	Total	Rate	161.70	
	1.0	11010	101110	1100
	KSRB 2-4 : Refilling available earth around pipe I	nes cables in lavers not ex	reeding 20cms	in denth
	compacting each deposited layer by ramming after			
18	including cost of all labour complete as per specif		om. and me apte	71.0111.
	PWD 18-19,SI No.2.11,Pg No 7	ications.		
			100.00	
	Basic Rate		120.00	
	Sub Total		120	
	11.400/ 5 4 11.4		40.00	
	add 10% For Area weightage	But	12.00	
	Total Providing and fixing unplasticised PVC pipes w		132.00 g/sq.cm with pip	Cum e fittings, clips,
19	Total	rith working pressure 10 kg	132.00 g/sq.cm with pip	Cum e fittings, clips,
19	Providing and fixing unplasticised PVC pipes w making good the floor, including cost of all mater specifications.	rith working pressure 10 kg	132.00 g/sq.cm with pip	Cum e fittings, clips,
19	Providing and fixing unplasticised PVC pipes w making good the floor, including cost of all mater specifications. KSRB 18-19,Pg No.77,SI No.11.56.2	rith working pressure 10 kg	132.00 g/sq.cm with pip	Cum e fittings, clips, mplete as per
19	Providing and fixing unplasticised PVC pipes w making good the floor, including cost of all mater specifications. KSRB 18-19,Pg No.77,SI No.11.56.2 do- with 110mm outer dia	rith working pressure 10 kg	132.00 g/sq.cm with pip I and testing co	Cum e fittings, clips, mplete as per
19	Providing and fixing unplasticised PVC pipes we making good the floor, including cost of all mater specifications. KSRB 18-19,Pg No.77,SI No.11.56.2 do- with 110mm outer dia Basic Rate	rith working pressure 10 kg	132.00 g/sq.cm with pip l and testing co 606.00	Cum e fittings, clips, mplete as per
19	Providing and fixing unplasticised PVC pipes we making good the floor, including cost of all mater specifications. KSRB 18-19,Pg No.77,SI No.11.56.2 do- with 110mm outer dia Basic Rate Sub Total	rith working pressure 10 kg	132.00 g/sq.cm with pip l and testing co 606.00 606	Cum e fittings, clips, mplete as per
19	Providing and fixing unplasticised PVC pipes we making good the floor, including cost of all mater specifications. KSRB 18-19,Pg No.77,SI No.11.56.2 do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage	rith working pressure 10 kg ials, labour charges, HOM	132.00 g/sq.cm with pip l and testing co 606.00 606 60.60	Cum e fittings, clips, mplete as per
20	Providing and fixing unplasticised PVC pipes we making good the floor, including cost of all mater specifications. KSRB 18-19,Pg No.77,Sl No.11.56.2 do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces curing excluding cost of concrete etc,completete (As Per EOI)	rith working pressure 10 kg ials, labour charges, HOM Rate road gully cover including fix	132.00 g/sq.cm with pip l and testing co 606.00 606 60.60 666.60 xing the cover a cluding cost of p	e fittings, clips, mplete as per Rmt nd CM 1:3
	Providing and fixing unplasticised PVC pipes we making good the floor, including cost of all mater specifications. KSRB 18-19,Pg No.77,Sl No.11.56.2 do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing Cl Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces curing excluding cost of concrete etc,completete (As Per EOI) Basic Rate	rith working pressure 10 kg ials, labour charges, HOM Rate road gully cover including fix	132.00 g/sq.cm with pip l and testing co 606.00 606 60.60 666.60 xing the cover a cluding cost of p	e fittings, clips, mplete as per Rmt nd CM 1:3
	Providing and fixing unplasticised PVC pipes we making good the floor, including cost of all mater specifications. KSRB 18-19,Pg No.77,Sl No.11.56.2 do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing Cl Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces curing excluding cost of concrete etc,completete (As Per EOI) Basic Rate Sub Total	Rate road gully cover including fix g for 90 days with all lead income.	132.00 g/sq.cm with pip l and testing co 606.00 606 60.60 666.60 xing the cover a cluding cost of p	e fittings, clips, mplete as per Rmt nd CM 1:3 plastering but
	Providing and fixing unplasticised PVC pipes we making good the floor, including cost of all mater specifications. KSRB 18-19,Pg No.77,Sl No.11.56.2 do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing Cl Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces curing excluding cost of concrete etc,completete (As Per EOI) Basic Rate	rith working pressure 10 kg ials, labour charges, HOM Rate road gully cover including fix	132.00 g/sq.cm with pip l and testing co 606.00 606 60.60 666.60 xing the cover a cluding cost of p	e fittings, clips, mplete as per Rmt nd CM 1:3 plastering but
	Providing and fixing unplasticised PVC pipes we making good the floor, including cost of all mater specifications. KSRB 18-19,Pg No.77,Sl No.11.56.2 do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces curing excluding cost of concrete etc,completete (As Per EOI) Basic Rate Sub Total Total	Rate road gully cover including fix for 90 days with all lead incentions.	132.00 g/sq.cm with pip l and testing co 606.00 606 60.60 666.60 xing the cover a cluding cost of pi 893.00 893.00	e fittings, clips, mplete as per Rmt nd CM 1:3 blastering but
	Providing and fixing unplasticised PVC pipes we making good the floor, including cost of all mater specifications. KSRB 18-19,Pg No.77,Sl No.11.56.2 do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing Cl Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces curing excluding cost of concrete etc,completete (As Per EOI) Basic Rate Sub Total	Rate road gully cover including fix for 90 days with all lead incentions.	132.00 g/sq.cm with pip l and testing co 606.00 606 60.60 666.60 xing the cover a cluding cost of pi 893.00 893.00	e fittings, clips, mplete as per Rmt nd CM 1:3 blastering but
	Providing and fixing unplasticised PVC pipes we making good the floor, including cost of all mater specifications. KSRB 18-19,Pg No.77,Sl No.11.56.2 do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces curing excluding cost of concrete etc,completete (As Per EOI) Basic Rate Sub Total Total	Rate road gully cover including fix g for 90 days with all lead incompression walls, ceiling proper shape and replasted.	132.00 g/sq.cm with pip l and testing co 606.00 606 60.60 666.60 xing the cover a cluding cost of p 893.00 893 893.00 ings 10 to 20mn ering the surface	e fittings, clips, mplete as per Rmt nd CM 1:3 plastering but Each thick in e of the wall
20	Providing and fixing unplasticised PVC pipes we making good the floor, including cost of all mater specifications. KSRB 18-19,Pg No.77,Sl No.11.56.2 do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces curing excluding cost of concrete etc,completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44: Repairs to plaster in patches of 2.5 cement mortar 1:4 including cutting the patches in including disposal of rubbish with a lead of 50m in specifications. Specification No.KBS 24.2.1 PWD 18-19,Sl No.16.39,Pg No 133	Rate road gully cover including fix g for 90 days with all lead incompression walls, ceiling proper shape and replasted.	132.00 g/sq.cm with piper and testing compared to a compar	e fittings, clips, mplete as per Rmt nd CM 1:3 plastering but Each thick in e of the wall
20	Providing and fixing unplasticised PVC pipes we making good the floor, including cost of all mater specifications. KSRB 18-19,Pg No.77,Sl No.11.56.2 do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces curing excluding cost of concrete etc,completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44: Repairs to plaster in patches of 2.5 cement mortar 1:4 including cutting the patches in including disposal of rubbish with a lead of 50m in specifications. Specification No.KBS 24.2.1 PWD 18-19,Sl No.16.39,Pg No 133 Basic Rate	Rate road gully cover including fix g for 90 days with all lead incompression walls, ceiling proper shape and replasted.	132.00 g/sq.cm with pip and testing co 606.00 606 60.60 666.60 xing the cover a cluding cost of particles and testing cost of particles and testing cost of particles and testing the surface prials, labour, cost and the surface prials, labour, cost and the surface prials, labour, cost and the surface prials, labour, cost and the surface prials, labour, cost and the surface prials, labour, cost and the surface prials, labour, cost and the surface prials, labour, cost and testing the surface prials, labour, cost and testing the surface prials, labour, cost and testing the surface prials, labour, cost and testing the surface prials, labour, cost and testing the surface prials.	e fittings, clips, mplete as per Rmt nd CM 1:3 plastering but Each thick in e of the wall
20	Providing and fixing unplasticised PVC pipes we making good the floor, including cost of all mater specifications. KSRB 18-19,Pg No.77,Sl No.11.56.2 do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing Cl Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces curing excluding cost of concrete etc,completete (As Per EOI) Basic Rate Sub Total KSRB 24-44: Repairs to plaster in patches of 2.5 cement mortar 1:4 including cutting the patches in including disposal of rubbish with a lead of 50m in specifications. Specification No.KBS 24.2.1 PWD 18-19,Sl No.16.39,Pg No 133 Basic Rate Sub Total	Rate road gully cover including fix g for 90 days with all lead incompression walls, ceiling proper shape and replasted.	132.00 g/sq.cm with pip l and testing co 606.00 606 60.60 666.60 xing the cover a cluding cost of p 893.00 893 893.00 ings 10 to 20mn ering the surface erials, labour, co	e fittings, clips, mplete as per Rmt nd CM 1:3 plastering but Each thick in e of the wall mplete as per
20	Providing and fixing unplasticised PVC pipes we making good the floor, including cost of all mater specifications. KSRB 18-19,Pg No.77,Sl No.11.56.2 do- with 110mm outer dia Basic Rate Sub Total add 10% For Area weightage Total Providing & Fixing CI Grating (325 x 325mm) for Plastering 20mm thick to all exposed faces curing excluding cost of concrete etc,completete (As Per EOI) Basic Rate Sub Total Total KSRB 24-44: Repairs to plaster in patches of 2.5 cement mortar 1:4 including cutting the patches in including disposal of rubbish with a lead of 50m in specifications. Specification No.KBS 24.2.1 PWD 18-19,Sl No.16.39,Pg No 133 Basic Rate	Rate road gully cover including fix g for 90 days with all lead incompression walls, ceiling proper shape and replasted.	132.00 g/sq.cm with pip and testing co 606.00 606 60.60 666.60 xing the cover a cluding cost of particles and testing cost of particles and testing cost of particles and testing the surface prials, labour, cost and the surface prials, labour, cost and the surface prials, labour, cost and the surface prials, labour, cost and the surface prials, labour, cost and the surface prials, labour, cost and the surface prials, labour, cost and the surface prials, labour, cost and testing the surface prials, labour, cost and testing the surface prials, labour, cost and testing the surface prials, labour, cost and testing the surface prials, labour, cost and testing the surface prials.	e fittings, clips, mplete as per Rmt nd CM 1:3 plastering but Each thick in e of the wall mplete as per

	Providing and fixing Special make glazed Vitrified	,		•
22	colour of size 600x600x10mm thick fixed on exis skirting etc., complete including providing spears			•
	(P.No. 109, I.No. 14.43 of SR 2018-19).	at required interval and re	moving stains sta	ii, complete.
	Basic Rate		1320.00	
	Sub Total		1320	
	Add 10% For Area weightage		132.00	
	Total	Rate	1452.00	Sqm
	Providing and laying of teak wooden polished floo	oring of 12mm thick high	dancity timbar of a	approved color
23	and design with end trims, transition, profiles, beauthous thick foam underlay etc., (P.No.113, I.No.14.70 of PWD SR 2018-19)	-	-	
	Basic Rate		4800.00	
	Sub Total		4800	
	Add 10% For Area weightage		480.00	
	Total	Rate	5280.00	Sqm
	KSRB 14.14-5: Providing Ceramic tiles of approv			
24	landings laid on a bed of 12mm thick, cement morpigment, including cost of materials, labour, curi size 30x30cms 6mm thick. PWD 18-19,SI No.14.36.2,Pg No.107 and 108			•
	Basic Rate		1211.00	
	Sub Total		†	
			1211 121.10	
	Sub Total Add 10% For Area weightage Total	Rate	1211	Sqm
	Add 10% For Area weightage Total	<u>!</u>	1211 121.10 1332.10	-
25	Add 10% For Area weightage	e treads and risers using the @ 20%, 20mm thick, 20rl:3 20mm thick pointed with	1211 121.10 1332.10 ne combination of mm thick black grah colour pigment,	20mm thick anite 14%. The including full
25	Add 10% For Area weightage Total Providing and laying pattern flooring for staircase ruby red granite @ 66%,20 mm thick grey granite granite materials are laid on existing bed of CM 1 rounding for nosing, flaming the ruby red granite (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate	e treads and risers using the @ 20%, 20mm thick, 20rl:3 20mm thick pointed with	1211 121.10 1332.10 re combination of rimm thick black grath colour pigment,, complete as per 7195.00	20mm thick anite 14%. Th including full
25	Add 10% For Area weightage Total Providing and laying pattern flooring for staircase ruby red granite @ 66%,20 mm thick grey granite granite materials are laid on existing bed of CM 1 rounding for nosing, flaming the ruby red granite (P.No. 109, I.No. 14.46 of PWD SR 2018-19)	e treads and risers using the @ 20%, 20mm thick, 20rll:3 20mm thick pointed with	1211 121.10 1332.10 re combination of mm thick black grah colour pigment, ., complete as per	20mm thick anite 14%. Th including full
25	Add 10% For Area weightage Total Providing and laying pattern flooring for staircase ruby red granite @ 66%,20 mm thick grey granite granite materials are laid on existing bed of CM 1 rounding for nosing, flaming the ruby red granite (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage	e treads and risers using the @ 20%, 20mm thick, 20rl :3 20mm thick pointed wit for 50 mm wide curing etc	1211 121.10 1332.10 ne combination of mm thick black grath colour pigment,, complete as per 7195.00 7195.00 7195.00	20mm thick anite 14%. Th including full specification
25	Add 10% For Area weightage Total Providing and laying pattern flooring for staircase ruby red granite @ 66%,20 mm thick grey granite granite materials are laid on existing bed of CM 1 rounding for nosing, flaming the ruby red granite (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total	e treads and risers using the @ 20%, 20mm thick, 20rll:3 20mm thick pointed with	1211 121.10 1332.10 ne combination of mm thick black grath colour pigment, ., complete as per 7195.00 7195	20mm thick anite 14%. Th including full specification
25	Add 10% For Area weightage Total Providing and laying pattern flooring for staircase ruby red granite @ 66%,20 mm thick grey granite granite materials are laid on existing bed of CM 1 rounding for nosing, flaming the ruby red granite (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage	e treads and risers using the @ 20%, 20mm thick, 20rd 1:3 20mm thick pointed wit for 50 mm wide curing etc	1211 121.10 1332.10 ne combination of mm thick black grath colour pigment, complete as per 7195.00 7195 719.50 7914.50	20mm thick anite 14%. Th including full specification
	Add 10% For Area weightage Total Providing and laying pattern flooring for staircase ruby red granite @ 66%,20 mm thick grey granite granite materials are laid on existing bed of CM 1 rounding for nosing, flaming the ruby red granite (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total Repairing door and window frames with available	e treads and risers using the @ 20%, 20mm thick, 20rd 1:3 20mm thick pointed wit for 50 mm wide curing etc	1211 121.10 1332.10 ne combination of mm thick black grath colour pigment, complete as per 7195.00 7195 719.50 7914.50	20mm thick anite 14%. Th including full specification
	Add 10% For Area weightage Total Providing and laying pattern flooring for staircase ruby red granite @ 66%,20 mm thick grey granite granite materials are laid on existing bed of CM 1 rounding for nosing, flaming the ruby red granite (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total Repairing door and window frames with available PWD 18-19,SI No.37.12,Pg No 267	e treads and risers using the @ 20%, 20mm thick, 20rd 1:3 20mm thick pointed wit for 50 mm wide curing etc	1211 121.10 1332.10 The combination of the colour pigment, complete as per the complete as per the colour pigment, complete as per the colour pigment, complete as per the colour pigment, complete as per the colour pigment, complete as per the colour pigment, complete as per the colour pigment, complete as per the colour pigment, complete as per the colour pigment, colour pigment	20mm thick anite 14%. Th including full specification
	Add 10% For Area weightage Total Providing and laying pattern flooring for staircase ruby red granite @ 66%,20 mm thick grey granite granite materials are laid on existing bed of CM 1 rounding for nosing, flaming the ruby red granite (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total Repairing door and window frames with available PWD 18-19,SI No.37.12,Pg No 267 Basic Rate	e treads and risers using the @ 20%, 20mm thick, 20rd 1:3 20mm thick pointed wit for 50 mm wide curing etc	1211 121.10 1332.10 re combination of mm thick black grath colour pigment, ., complete as per 7195.00 7195 719.50 7914.50 .	20mm thick anite 14%. The including full representation specification square sq
	Add 10% For Area weightage Total Providing and laying pattern flooring for staircase ruby red granite @ 66%,20 mm thick grey granite granite materials are laid on existing bed of CM 1 rounding for nosing, flaming the ruby red granite (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total Repairing door and window frames with available PWD 18-19,SI No.37.12,Pg No 267 Basic Rate Sub Total	e treads and risers using the @ 20%, 20mm thick, 20rd 1:3 20mm thick pointed wit for 50 mm wide curing etc	1211 121.10 1332.10 ne combination of mm thick black grath colour pigment,, complete as per 7195.00 7195 719.50 7914.50 685.00 685	20mm thick anite 14%. The including full representation specification square sq
	Add 10% For Area weightage Total Providing and laying pattern flooring for staircase ruby red granite @ 66%,20 mm thick grey granite granite materials are laid on existing bed of CM 1 rounding for nosing, flaming the ruby red granite (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total Repairing door and window frames with available PWD 18-19,SI No.37.12,Pg No 267 Basic Rate Sub Total Add 10% For Area weightage	e treads and risers using the @ 20%, 20mm thick, 20rd 1:3 20mm thick pointed with for 50 mm wide curing etc. Rate e wood to the required size Rate	1211 121.10 1332.10 ne combination of mm thick black grath colour pigment, complete as per 7195.00 7195 719.50 7914.50 685.00 685 68.50 753.50	20mm thick anite 14%. The including full respective specification sqm
26	Add 10% For Area weightage Total Providing and laying pattern flooring for staircase ruby red granite @ 66%,20 mm thick grey granite granite materials are laid on existing bed of CM 1 rounding for nosing, flaming the ruby red granite (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total Repairing door and window frames with available PWD 18-19,SI No.37.12,Pg No 267 Basic Rate Sub Total Add 10% For Area weightage Total Repairing and fixing shutters (panelled or glazed PWD 18-19,SI No.37.13,Pg No.267	e treads and risers using the @ 20%, 20mm thick, 20rd 1:3 20mm thick pointed with for 50 mm wide curing etc. Rate e wood to the required size Rate	1211 121.10 1332.10 ne combination of mm thick black grath colour pigment,, complete as per 7195.00 7195 719.50 7914.50 685.00 685 68.50 753.50 ators and cupboar	20mm thick anite 14%. The including full respective specification sqm
26	Add 10% For Area weightage Total Providing and laying pattern flooring for staircase ruby red granite @ 66%,20 mm thick grey granite granite materials are laid on existing bed of CM 1 rounding for nosing, flaming the ruby red granite (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total Repairing door and window frames with available PWD 18-19,SI No.37.12,Pg No 267 Basic Rate Sub Total Add 10% For Area weightage Total Add 10% For Area weightage Total	e treads and risers using the @ 20%, 20mm thick, 20rd 1:3 20mm thick pointed with for 50 mm wide curing etc. Rate e wood to the required size Rate	1211 121.10 1332.10 ne combination of mm thick black grath colour pigment, complete as per 7195.00 7195 719.50 7914.50 685.00 685 68.50 753.50	20mm thick anite 14%. The including full representation
26	Add 10% For Area weightage Total Providing and laying pattern flooring for staircase ruby red granite @ 66%,20 mm thick grey granite granite materials are laid on existing bed of CM 1 rounding for nosing, flaming the ruby red granite (P.No. 109, I.No. 14.46 of PWD SR 2018-19) Basic Rate Sub Total Add 10% For Area weightage Total Repairing door and window frames with available PWD 18-19,SI No.37.12,Pg No 267 Basic Rate Sub Total Add 10% For Area weightage Total Repairing and fixing shutters (panelled or glazed PWD 18-19,SI No.37.13,Pg No.267 Basic Material Rate	e treads and risers using the @ 20%, 20mm thick, 20rd 1:3 20mm thick pointed with for 50 mm wide curing etc. Rate e wood to the required size Rate	1211 121.10 1332.10 re combination of mm thick black grath colour pigment,, complete as per 7195.00 7195 719.50 7914.50 685.00 685 68.50 753.50 ators and cupboar	20mm thick anite 14%. The including full representation

- do- with primer PWD 18-19,SI No.15.51.2,Pg No.119 Basic Material Rate 90.00 Sub Total 9,00 Add 10% For Area weightage for Labour 9.00 Total 8-9,00 Supplying and fixing new Mangalore tiles on existing reepers. PWD 18-19,SI No.37.9,Pg No.267 Basic Rate 407,00 Sub Total 407 Add 10% For Area weightage 40,70 Total Rate 447.70 Removing and fixing old Mangalore ridge tiles including pointing with C.M. 1:3. PWD 18-19,SI No.37.10,Pg No.267 Baisc rate 101,00 Sub Total 101 Add 10% For Area weightage (Mangalore City) 10,10 Total Rate 111,10 KSRB 8.4: Providing and fixing Mangalore City) 10,10 Total Rate 111,10 KSRB 8.4: Providing and fixing Mangalore tile roofing using first class tiles with necessary special tiles for ridges and hips, wood reepers and pointed with cement mortar 1:4 over the existing rafters including cost of amaterials, labour, curing complete as per specifications. Specification No. KBS 8.17KSRB 8.4-2: do- Nand wood reepers of size 50x26mm PVD 18-19,SI No.8.11 Basic Rate 814.00 Sub Total 814 Add 10% For Area weightage Mangalore painting one coat (excluding priming coat) on previously painted wood surface and / or wood based surface with black japan paint to give an even shade after cleaning the surface of all dirt, dust and foreign matter, including cost of materials, labour, complete as per specifications. PVD 18-19,SI No.15.71,Pg No.123 Basic Rate 56.00 Total Rate 61.60 Sqm KSRB 15-17.19.Applying additional one coat (excluding priming coat) on previously painted wood surface and / or wood based surface with black japan paint to give an even shade after cleaning the surface of all dirt, dust and foreign matter, including cost of materials, labour, complete as per specifications. PVD 18-19,SI No.15.71,Pg No.123 Basic Rate 56.00 Total Rate 55.00 Sqm KSRB 15-17.19.Applying additional one coat (excluding priming coat) on previously painted wood surface and / or wood based surface with black japan paint to give an even shade after cleaning the surface of all dirt, dust and foreign	28	KSRB 15-15.1: Providing and applying painting in two on wall surface to give an even approved shade after drops and other foreign matter including preparing the materials, labour, complete as per specifications.	r thoroughly brushing the	surface, free from mortar	nd
Sub Total 9.00 Add 10% For Area weightage for Labour 9.00 Total Rate 99.00 Sqm					
Add 10% For Area weightage for Labour Total Supplying and fixing new Mangalore tiles on existing reepers. PWD 18-19,SI No.37.9,Pg No.267 Basic Rate Sub Total 407.00 Add 10% For Area weightage 40.70 Total Rate Rate 447.70 Sqm Removing and fixing old Mangalore ridge tiles including pointing with C.M. 1:3. PWD 18-19,SI No.37.10,Pg No.267 Baisc rate Sub Total Add 10% For area weightage (Mangalore City) Total Rate Rate 111.10 Rmt KSRB 8.4: Providing and fixing Mangalore tile roofing using first class tiles with necessary special tiles for ridges and hips, wood reepers and pointed with cement mortar 1:4 over the existing ratters including cost of materials, labour, curing complete as per specifications. Specification No. KBS 8.17KSRB 8.4-2: do- Nand wood reepers of size 50x25mm PWD 18-19,SI No.8.11 Basic Rate Sub Total Rate Rate 181.40 Total Rate Rate 181.40 Total Rate Rate 181.40 KSRB 15-17.19: Providing and applying painting one coat (excluding priming coat) on previously painted wood surface and / or wood based surface with black japan paint to give an even shade after cleaning the surface of all dirt, dust and foreign matter, including cost of materials, labour, complete as per specifications. PWD 18-19,SI No.15.71,Pg No.123 Basic Rate Sub Total RSRB 15-17.19: Applying additional one coat (excluding priming coat) on previously painted wood surface and / or wood based surface with black japan paint to give an even shade after cleaning the surface of all dirt, dust and foreign matter, including cost of materials, labour, complete as per specifications. PWD 18-19,SI No.15.71,Pg No.123 Basic Rate Sub Total Sub Total Sase Rate Sase Sub Total Sase Rate Sase S				90.00	
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Add 10% For Area weightage 5.00		Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRB 15-17.19: Providing and applying painting one wood surface and / or wood based surface with black surface of all dirt, dust and foreign matter, including a specifications. PWD 18-19,SI No.15.71,Pg No.123 Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRB 15-17.19:Applying additional one coat (excludand / or wood based surface with black japan paint to dirt, dust and foreign matter, including cost of material PWD 18-19,SI No.15.72,Pg No.123	coat (excluding priming a japan paint to give an excost of materials, labour, Rate ding priming coat) on prepagive an even shade after	814 81.40 895.40 Sqm coat) on previously painter ven shade after cleaning the complete as per 56.00 56 5.60 61.60 Sqm eviously painted wood surfactor cleaning the surface of a per specifications.	ce
		Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRB 15-17.19: Providing and applying painting one wood surface and / or wood based surface with black surface of all dirt, dust and foreign matter, including a specifications. PWD 18-19,SI No.15.71,Pg No.123 Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRB 15-17.19:Applying additional one coat (exclude and / or wood based surface with black japan paint to dirt, dust and foreign matter, including cost of material PWD 18-19,SI No.15.72,Pg No.123 Basic Rate	coat (excluding priming a japan paint to give an excost of materials, labour, Rate ding priming coat) on prepagive an even shade after	814 81.40 895.40 Sqm coat) on previously painted ven shade after cleaning the complete as per 56.00 56 5.60 61.60 Sqm eviously painted wood surfacer cleaning the surface of a per specifications.	ce
		Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRB 15-17.19: Providing and applying painting one wood surface and / or wood based surface with black surface of all dirt, dust and foreign matter, including a specifications. PWD 18-19,SI No.15.71,Pg No.123 Basic Rate Sub Total Add 10% For Area weightage Total Rate KSRB 15-17.19:Applying additional one coat (excludand / or wood based surface with black japan paint to dirt, dust and foreign matter, including cost of material PWD 18-19,SI No.15.72,Pg No.123 Basic Rate Sub Total Basic Rate Sub Total	coat (excluding priming a japan paint to give an excost of materials, labour, Rate ding priming coat) on prepagive an even shade after	814 81.40 895.40 Sqm coat) on previously painter ven shade after cleaning the complete as per 56.00 56 5.60 61.60 Sqm eviously painted wood surfact cleaning the surface of a per specifications.	ce

34	Waterproofing of RCC Terrace / podium slab / toilet / utilitic surface by chipping and cleaning and Grouting of Honey of cement slurry (1kg cement added in 10 ltr of water) added spraying of liquid biological modified alkaline earth silicates the micro porosity and allowing it to dry, curing the surface concrete and spraying waterproofing impregnate liquid cor 0.50 ltr per sqm and finally applying polymer slurry made of cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surequipments, all complete as per the specification PWD 18-19,SI No.10.5.1,Pg No 69	comb, voids,crack I with 100gm of in s @ 0.40 ltr per s e for the silicates intaining silane an out of cross linked	ks / construction jo norganic accelerated sqm on whole surf to penetrate deep nd silanol linear co d acrylic / styrene	oints with or, followed by ace to reduce er into the polymer @ / butadiene &
	Basic Rate		526.00	
	Sub Total		526.00	
	Add 10% For Area weightage		52.60	
	Total Rate	Rate	578.60	Sqm
				•
35	KSRRB M300- Planting and Maintaining of Flowering Plan Maintaining of Flowering Plants and Shrubs - A) Planting f MORTH Specification No. 307 PWD 18-19,SI No.19.86,Pg No 149			
	Basic Rate		46.00	
	Sub Total		46.00	
	Add 10% For Area weightage		4.60	
	Total Rate	Rate	50.60	Rmt
		•		
36	compacting with plate vibrator having 3 tons compaction for come up in between joints, final compaction of paver surfamaterials, labour and HOM of machineries complete as per (As Per EOI) Rate Approved as per EOI by MD MSCL Mangalore, Reference to the surface of the surface	ace joints into its er specifications.	• .	
	Sr.No.12		040.00	
	Sub Total	D. (912.00	0
	Total Rate	Rate	912.00	Sqm
37	KSRRB M300-Turfing lawns with fine grassing including p with fine grassing including ploughing, dressing including k and supplying doobs grass roots at 10 cm apart, including rate of 0.6 cum per 100 sqm complete as per specification PWD SOR 18-19,SI No.19.82,Pg No149	oreaking of clods supplying and sp	, removal of rubbi preading of farm y	sh, dressing
	Basic Rate		23.00	
	Sub Total		23.00	
	Add 10% For Area weightage		2.30	
	Total Rate	Rate	25.30	
				Sqm
38	KSRRB M300- Maintenance of lawns with fine grassing fo lawns with fine grassing for the first year including watering Specification No. 307. PWD SOR 18-19,SI No.19.83,Pg No149 Basic Rate		s per specification	aintenance of
38	lawns with fine grassing for the first year including watering Specification No. 307. PWD SOR 18-19,SI No.19.83,Pg No149 Basic Rate		s per specification 92.00	aintenance of
38	lawns with fine grassing for the first year including watering Specification No. 307. PWD SOR 18-19,SI No.19.83,Pg No149 Basic Rate Sub Total		s per specification 92.00 92.00	aintenance of
38	lawns with fine grassing for the first year including watering Specification No. 307. PWD SOR 18-19,SI No.19.83,Pg No149 Basic Rate		s per specification 92.00	aintenance of s. MORTH

39	Providing and fixing Vitrified glazed tiles of approved make, quality & colour of size 900 x 900 x 12mm thick fixed on bed of 12mm thick cement mortar for flooring, skirting and JOinted with neat cement slurry mixed with pigment to mach shade of tiles, including providing spacers at required interval and removing stains, including cost of all mateirals, mortar, labour, etc., Complete as per specification. (KPWD 18-19,SI.No.14.45.1)					
	Basic Rate	I	1315.00			
	Sub Total		1315.00			
	Add 10% For Area weightage		131.50			
	Total Rate	Rate	1446.50	Sam		
	Total Nate	Rate	1440.00	ОЧП		
40	Providing and fixing Pre cast solid concrete kerb stones man plastering and finishing cutting etc., complete. do- of size 450 x 150 x 400 mm (KSRRB 18-19,Pg No.27,SI No.5.29.1)	de out of CC 1::		with CM 1:3		
	Basic Rate		468.00			
	Sub Total		468.00			
	Add 10% For Area weightage		46.80			
	Total Rate	Rate	514.80	Nos		
44	frequency control drive and planetry drive, equipped with a width should not be more than 400mm, power 5HP 3phase, RPM-900 RPM followed by Hand grinding machine for non	voltage 220V/4 approachable a	115V, Motor spee reas as directed i	d should be 700 in BS 8203 :		
41	width should not be more than 400mm, power 5HP 3phase, RPM-900 RPM followed by Hand grinding machine for non Code of practice for installation of resilient floor coverings,B by as required all in complete as per manufacturers and EIC only recommended by Flowcrete only. 2.Clean the surface thoroughly, fix the shear anchor with de 3. Supplying and Installing Versaspeed / Thin top Supreme/single-component, rapid-setting mortar for horizontal, and for	voltage 220V/4 approachable a S 8204 Parts 1, C . Work need to esigned gap of c Eucocrete of F orm and pour re	115V, Motor spee reas as directed i , 3, 6 and 7 and F o be done by floo construction and o LOWCRETE (US pair projects. Rec	d should be 700 in BS 8203: ERFA followed ring specialist control joint. SA) versatile, quiring only the		
41	width should not be more than 400mm, power 5HP 3phase, RPM-900 RPM followed by Hand grinding machine for non Code of practice for installation of resilient floor coverings,B by as required all in complete as per manufacturers and EIC only recommended by Flowcrete only. 2.Clean the surface thoroughly, fix the shear anchor with de 3. Supplying and Installing Versaspeed / Thin top Supreme/	voltage 220V/4 approachable a S 8204 Parts 1, C. Work need to signed gap of concentration Eucocrete of Form and pour recompressive signed be 6.2Mpa in the good coulon WCRETE are a ace steel fibers s. TUF- STRAN te and Shotcrete ventional reinfor al reinforcing with the formation of cing requirement	reas as directed in 3, 6 and 7 and For be done by floor construction and c	d should be 700 in BS 8203: ERFA followed ring specialist control joint. SA) versatile, quiring only the 58.6Mpa as hrinkage as per 1/202 along opylene / sh and ply with ASTM cally designed ents. Concrete ural toughness, cracking in e from 1.8 kg/m		
41	width should not be more than 400mm, power 5HP 3phase, RPM-900 RPM followed by Hand grinding machine for non Code of practice for installation of resilient floor coverings, B by as required all in complete as per manufacturers and ElC only recommended by Flowcrete only. 2. Clean the surface thoroughly, fix the shear anchor with de 3. Supplying and Installing Versaspeed / Thin top Supreme/single-component, rapid-setting mortar for horizontal, and for addition of water and 25% -40% pea aggregates, where the per ASTM C 109, Flexural strength as per ASTM C 348 shounded as the should be -0.083%, chloride permeability shou with along with TUF-STRAND SF "structural fibers" of FLO polyethylene synthetic macro-fiber successfully used to replication conventional reinforcing bars in a wide variety of application C1116, Standard Specification for Fiber Reinforced Concrete provide equivalent tensile and bending resistance to convening the reinforced with TUF-STRAND SF will have three-dimension impact and abrasion resistance and will also help mitigate the concrete. Dosage rates will vary depending upon the reinfort to 12 kg/m³. TUF-STRAND SF synthetic macro-fibers compacted Council (ICC) Acceptance Criteria AC32 for synthetic fibers, are UL certificate recognized within ACI 360 and SDI/ANSI-C1.0 as a rein repair Mortar as per the manufacturer's recommendations we to level of surrounding concrete surface utilizing techniques of by manufacturer or as per the site Engineer. THICKNESS- 30MM (Market Rate)	voltage 220V/4 approachable a S 8204 Parts 1, C . Work need to signed gap of c Eucocrete of Form and pour re compressive si ould be 6.2Mpa i d be 900 coulor WCRETE are a ace steel fibers s. TUF- STRAN te and Shotcrete ventional reinfor al reinforcing wi ne formation of cing requirement of the strength	reas as directed in 3, 6 and 7 and For be done by floor construction and construction and construction and construction and construction and construction and construction and construction and construction and construction and separate polyprometric part of the construction and are specific coment requirement requirement requirement and can rangular portions of the emetal deck construction of the construction of the construction of the construction and finished with	d should be 700 in BS 8203: ERFA followed ring specialist control joint. GA) versatile, quiring only the 58.6Mpa as hrinkage as per 1 C 1202 along opylene / sh and ply with ASTM cally designed ents. Concrete ural toughness, cracking in e from 1.8 kg/m International struction and g and applying ag agents. Finisi		
41	width should not be more than 400mm, power 5HP 3phase, RPM-900 RPM followed by Hand grinding machine for non Code of practice for installation of resilient floor coverings, B by as required all in complete as per manufacturers and ElG only recommended by Flowcrete only. 2. Clean the surface thoroughly, fix the shear anchor with de 3. Supplying and Installing Versaspeed / Thin top Supreme/single-component, rapid-setting mortar for horizontal, and for addition of water and 25% -40% pea aggregates, where the per ASTM C 109, Flexural strength as per ASTM C 348 shown ASTM C157 should be -0.083%, chloride permeability shou with along with TUF-STRAND SF "structural fibers" of FLO polyethylene synthetic macro-fiber successfully used to replication C1116, Standard Specification for Fiber Reinforced Concret to provide equivalent tensile and bending resistance to conventional reinforced with TUF-STRAND SF will have three-dimension impact and abrasion resistance and will also help mitigate the concrete. Dosage rates will vary depending upon the reinfort to 12 kg/m³. TUF-STRAND SF synthetic macro-fibers compacted Council (ICC) Acceptance Criteria AC32 for synthetic fibers, are UL certificate recognized within ACI 360 and SDI/ANSI-C1.0 as a rein repair Mortar as per the manufacturer's recommendations with level of surrounding concrete surface utilizing techniques of by manufacturer or as per the site Engineer. THICKNESS- 30MM (Market Rate) Basic Rate	voltage 220V/4 approachable a S 8204 Parts 1, C . Work need to signed gap of c Eucocrete of Form and pour re compressive si ould be 6.2Mpa i d be 900 coulor WCRETE are a ace steel fibers s. TUF- STRAN te and Shotcrete ventional reinfor al reinforcing wi ne formation of cing requirement of the strength	reas as directed in 3, 6 and 7 and For be done by floor construction and construction and construction and construction and construction and construction and construction and construction and construction and construction and construction and construction and construction and are specificated and are specificated and are specificated and are specificated and are specificated and constructions of the emetal deck constructions of the construction and finished with and finished with	d should be 700 in BS 8203: ERFA followed ring specialist control joint. SA) versatile, quiring only the 58.6Mpa as hrinkage as per 1/202 along opylene / sh and ply with ASTM cally designed ents. Concrete ural toughness, cracking in e from 1.8 kg/m² International struction and g and applying ag agents. Finish bull floater top		
41	width should not be more than 400mm, power 5HP 3phase, RPM-900 RPM followed by Hand grinding machine for non Code of practice for installation of resilient floor coverings, B by as required all in complete as per manufacturers and ElC only recommended by Flowcrete only. 2. Clean the surface thoroughly, fix the shear anchor with de 3. Supplying and Installing Versaspeed / Thin top Supreme/single-component, rapid-setting mortar for horizontal, and for addition of water and 25% -40% pea aggregates, where the per ASTM C 109, Flexural strength as per ASTM C 348 shounded as the should be -0.083%, chloride permeability shou with along with TUF-STRAND SF "structural fibers" of FLO polyethylene synthetic macro-fiber successfully used to replication conventional reinforcing bars in a wide variety of application C1116, Standard Specification for Fiber Reinforced Concrete provide equivalent tensile and bending resistance to convening the reinforced with TUF-STRAND SF will have three-dimension impact and abrasion resistance and will also help mitigate the concrete. Dosage rates will vary depending upon the reinfort to 12 kg/m³. TUF-STRAND SF synthetic macro-fibers compacted Council (ICC) Acceptance Criteria AC32 for synthetic fibers, are UL certificate recognized within ACI 360 and SDI/ANSI-C1.0 as a rein repair Mortar as per the manufacturer's recommendations we to level of surrounding concrete surface utilizing techniques of by manufacturer or as per the site Engineer. THICKNESS- 30MM (Market Rate)	voltage 220V/4 approachable a S 8204 Parts 1, C . Work need to signed gap of c Eucocrete of Form and pour re compressive si ould be 6.2Mpa i d be 900 coulor WCRETE are a ace steel fibers s. TUF- STRAN te and Shotcrete ventional reinfor al reinforcing wi ne formation of cing requirement of the strength	reas as directed in 3, 6 and 7 and For be done by floor construction and construction and construction and construction and construction and construction and construction and construction and construction and construction and separate polyprometric part of the construction and are specific coment requirement requirement requirement and can rangular portions of the emetal deck construction of the construction of the construction of the construction and finished with	d should be 700 in BS 8203: ERFA followed ring specialist control joint. SA) versatile, quiring only the 58.6Mpa as hrinkage as per 6 C 1202 along opylene / sh and ply with ASTM cally designed ents. Concrete ural toughness, cracking in e from 1.8 kg/miles from 1		

42	Cutting 10mmX10mm joint where the joint a/b should not Providing and filling Decksheild putty/ EUCO700 all in cor EIC.(Market Rate)		, ,
	Basic Rate		130.00
	Sub Total		130.00
	Total Rate	Rate	130.00 Rmt
		•	
43	To supply and apply Green Label certified Decksheild sys Low <20g/L, solvent free, flexible polyurethane park deck hard- wearing surface for intermediate decks of multi-stor floors consisting of 3 component, solvent free, Polyuretha solid content of approximately 100% which accepts silica as well as 2 component, coloured, flexible polurethane co aggregate layer where UV light staibility is not critical havi Antifreeze, Hydraulic Fluids, Chlorides & Battery Acids etc 3 Designated EXT.F.AA, Slip Resistance as per TRRL Per (Low Slip Potential), Abrasion Resiatance as per Taber A	coating system p ey, basement and ne based primer/ aggregate scatter ating having 1009 ng chemical resis c. Technical profilendulum Slip Test	roviding a colourful watertight, dother trafficable suspended body coat/binding agent having to produce an anti skid surface solid contents to seal the stance property to Petrol, Diesel, having Fire resistance -BS476 resulted in Dry>40. Wet>40
	(1Kg Load using CS17 wheels). For exposed area UV states having abrasion resistance as per Taber Abrader: 0.1g load prevents from yellowing effect, followed by as required all (Market Rate)	ble 2 component ss per 1000 cycle	Polyurethane based top coat s, 100% UV Light stable &
	(1Kg Load using CS17 wheels). For exposed area UV states having abrasion resistance as per Taber Abrader: 0.1g load prevents from yellowing effect, followed by as required all (Market Rate)	ble 2 component ss per 1000 cycle	Polyurethane based top coat s, 100% UV Light stable & er manufacturers and EIC
	(1Kg Load using CS17 wheels). For exposed area UV states having abrasion resistance as per Taber Abrader: 0.1g load prevents from yellowing effect, followed by as required all (Market Rate) Basic Rate	ble 2 component ss per 1000 cycle	Polyurethane based top coat s, 100% UV Light stable & er manufacturers and EIC
	(1Kg Load using CS17 wheels). For exposed area UV states having abrasion resistance as per Taber Abrader: 0.1g load prevents from yellowing effect, followed by as required all (Market Rate) Basic Rate Sub Total	ble 2 component ss per 1000 cycle in complete as po	Polyurethane based top coat s, 100% UV Light stable & er manufacturers and EIC 1400.00 1400.00
	(1Kg Load using CS17 wheels). For exposed area UV states having abrasion resistance as per Taber Abrader: 0.1g load prevents from yellowing effect, followed by as required all (Market Rate) Basic Rate	ble 2 component ss per 1000 cycle	Polyurethane based top coat s, 100% UV Light stable & er manufacturers and EIC
44	(1Kg Load using CS17 wheels). For exposed area UV states having abrasion resistance as per Taber Abrader: 0.1g load prevents from yellowing effect, followed by as required all (Market Rate) Basic Rate Sub Total	Rate Rate oplastic Compoundarying of hot appliastic Specified. The finitests of the finit	Polyurethane based top coat s, 100% UV Light stable & er manufacturers and EIC 1400.00 1400.00 1400.00 Sqm and with Reflectrising Glass Bead ied thermoplastic compound 2.5 thickness of 2.5 mm is exclusive shed surface to be level, uniform
44	(1Kg Load using CS17 wheels). For exposed area UV state having abrasion resistance as per Taber Abrader: 0.1g load prevents from yellowing effect, followed by as required all (Market Rate) Basic Rate Sub Total Total Rate KSRRB M800-13.Road Marking with Hot Applied Therm on Bituminous Surface/ Concrete Surface: Providing and mm thick including reflectorising glass beads at 250 gn of surface applied glass beads as per IRC:35 standards and free from streaks and holes complete as per specification (KSRB 18-19,SI No.24.15)	Rate Rate oplastic Compoundarying of hot appliastic Specified. The finitests of the finit	Polyurethane based top coat s, 100% UV Light stable & er manufacturers and EIC 1400.00 1400.00 Sqm and with Reflectrising Glass Beadled thermoplastic compound 2.8 thickness of 2.5 mm is exclusive shed surface to be level, uniform pecification No. 803
44	(1Kg Load using CS17 wheels). For exposed area UV state having abrasion resistance as per Taber Abrader: 0.1g load prevents from yellowing effect, followed by as required all (Market Rate) Basic Rate Sub Total Total Rate KSRRB M800-13.Road Marking with Hot Applied Therm on Bituminous Surface/ Concrete Surface: Providing and mm thick including reflectorising glass beads at 250 gn of surface applied glass beads as per IRC:35 standards and free from streaks and holes complete as per specification (KSRB 18-19,SI No.24.15) Basic Rate	Rate Rate oplastic Compoundarying of hot appliastic Specified. The finitests of the finit	Polyurethane based top coat s, 100% UV Light stable & er manufacturers and EIC 1400.00 1400.00 1400.00 Sqm Ind with Reflectrising Glass Beadled thermoplastic compound 2.5 thickness of 2.5 mm is exclusive shed surface to be level, uniform pecification No. 803
44	(1Kg Load using CS17 wheels). For exposed area UV state having abrasion resistance as per Taber Abrader: 0.1g load prevents from yellowing effect, followed by as required all (Market Rate) Basic Rate Sub Total Total Rate KSRRB M800-13.Road Marking with Hot Applied Therm on Bituminous Surface/ Concrete Surface: Providing and mm thick including reflectorising glass beads at 250 gn of surface applied glass beads as per IRC:35 standards and free from streaks and holes complete as per specification (KSRB 18-19,SI No.24.15)	Rate Rate oplastic Compoundarying of hot appliastic Specified. The finitests of the finit	Polyurethane based top coat s, 100% UV Light stable & er manufacturers and EIC 1400.00 1400.00 Sqm and with Reflectrising Glass Beadled thermoplastic compound 2.8 thickness of 2.5 mm is exclusive shed surface to be level, uniform pecification No. 803

Executive Engineer MSCL Mangaluru

G M Technical MSCL Mangaluru

Document: Electrical cost estimate for Govertnment school

Sr. No	Description	Cost estimate in Rs.
1	Dakshina Kannada Zilla Prathamikta Hera School, Pandeshwara, Ward-46	523393
2	Govt. High School, Urdu, Bunder, Ward 46	384052
3	Govt. Higher Secondary School, Hoigebazar ward-57	357727
4	Primary School, Hoigebazar, Ward-57	352464
5	Gov. Upper Primary School, Neereshwalya, Ward-45	184770
6	Block Education Office and Govt High School, Bolar	442954
7	Govt.primary and secondary school and College, Balmatta, Ward-40	659206
8	Govt. Practicing School, Opp. Maidan Road near Railway Station	727483
9	Govt.Primary School, Bastigarden, Ward-41	350533
10	Govt. Women's Pre-university College, Rathabeedi, Car Street	479096
	Grand Total Cost	4461678

EXECUTIVE ENGINEER MSCL MANGALURU

GM TECHNICAL MSCL MANGALURU

MANGAING DIRECTOR
MSCL MANGALURU

Manglore Smart City

BILL OF QUANTITIES-Dakshina Kannada Zilla Prathamikta School, Pandeshwara, Ward-46

Item No.	Description	Unit	Qty.	Unit Rate	Amount
1	Removal of existing FTL, 1 x 36 W, surface mounted supply, installation, testing and commissioning of new LED 18 W light fixture and commisioning with 50000 burning hours or 5 years of warranty	Nos.	21	1,146	24074
2	40 W Incandescent lamp Removal of existing 40W incadescent light fixture. Supply, intallation, testing and commissioning of new LED 6 W light fixture with 50000 burning hours or 5 years of warranty	Nos.	5	600	3001
3	Supply and fixing of PVC casing and caping on the wall or ceiling using necessasary material like bends, screws at interval of 300 mm etc as required.(Electrical SOR 1.8.2) 25 mm	Mtr	260	26	6760
4	Wiring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concelead system of wiring with specified IS-694:1990 & confirming to GTP group A (Electrical SOR 2.5.1) 1 sq. mm	Mtr	50	13	650
5	Wiring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concelead system of wiring with specified IS-694:1990 & confirming to GTP group A (Electrical SOR 2.5.2)	Mtr	50	18.6	930
6	1.5 sq. mm Wiring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concelead system of wiring with specified IS-694:1990 & confirming to GTP group A ((Electrical SOR 2.5.3) 2.5 sq. mm		100	29.2	2920
7	Wiring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concelead system of wiring with specified IS-694:1990 & confirming to GTP group A ((Electrical SOR 2.5.4) 4 sq. mm		315	42.1	13262
8	Supply and wiring adopting loop system in existing PVC conduit/casing capping using 1100 grade, copper conductor, flexible FRLS PVC insulated 2 x 1.5 sq. mm cable conforming to GTP with 6A flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of wires shall be terminated with sufficient loose length in a wood/pvc round block complete for each outlet (Electrical SOR 2.1.2) Medium point above 3 mtr upto 6 mtr from tapping point to outlet via switch	point	12	245.0	2940
9	Supply and wiring adopting loop system in existing PVC conduit/casing capping using 1100 grade, copper conductor, flexible FRLS PVC insulated 2 x 1.5 sq. mm cable conforming to GTP with 6A flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of wires shall be terminated with sufficient loose length in a wood/pvc round block complete for each outlet (Electrical SOR 2.1.3)	point	6	363.0	2178
10	Medium point above 6 mtr upto 10 mtr from tapping point to outlet via switch Supply and wiring adopting loop system in existing PVC conduit/casing capping using 1100 grade, copper conductor, flexible FRLS PVC insulated 2 x 1.5 sq. mm cable conforming to GTP without switch, the other end of wires shall be terminated with sufficient loose length in a wood/pvc round block complete for each outlet (Electrical SOR 2.3.2) Medium point above 3 mtr upto 6 mtr from tapping point to outlet via switch	point	8	215.0	1720

Item No.	Description	Unit	Qty.	Unit Rate	Amount
11	Supplying heavy gauge pvc conduit dia 25 mm dia 2 mm thick conforming to IS 2509 suitable size bends, junction boxes, adhesive paste etc. and fixing using inverted wood plug incase of RCC ceiling and RCC wall/ stone structure or rawl plugs in case of brick wall and cement plastering the damage portion using heavy gauge saddles at an interval of 700 mm using NF screws. (Electrical SOR 1.1)	Mtr	50	70.0	3500
12	Supply and fixing of modular switch/socket/stepped electonic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293. Electrical SOR 3.7.1 6A one way switch	Each	7	63.0	441
13	Supply and fixing of modular switch/socket/stepped electonic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293. Electrical SOR 3.7.2 16A one way switch	Each	7	114.0	798
14	Supply and fixing of modular switch/socket/stepped electonic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293. Electrical SOR 3.7.2 6/16A universal socket	Each	7	147.0	1029
15	Supply and fixing of modular switch/socket/stepped electonic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293. Electrical SOR 3.7.4 Stepped fan regulator	Each	15	286.0	4290
16	Supplying 2 to 4 way plastic gang box and fixing using necessary wooden/raw/phill plugs and screw. Electrical SOR 3.13.2	No.	15	29.0	435
17	Supplying capacitor type ceiling fan complete with down rod blades, shackles, canopies etc. operation on 230V, 50 cycles. Single phase AC supply confirming to IS -374-1979 and double ball bearing system. Electrial SOR 9.3.1.1	No	15	2,376.0	35640
18	Supplying exhaust fan of 1440 RPM of 300 mm size with bracket blades complete for light duty suitable to operate on 230V, 50 HZ AC supply	No	3	1,700.0	5100
19	Lighting Pole, 7 m Fabrication, suppl and erection of 7 meters long hot dip Galvanised Octagonal pole with BSE 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with oor opening arrangement, icluding suitable boards, bakelite sheet and MCBs as per IS specifications suitable for wind speed of 47 m/sec for 5 m pole in single section and single joint welded as per IS 9595/IS 10178 AWG having dimensions bottom 155 mm dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of long J bolts along with template and the pole shall be hot dip galvanized in single dipping with not less than 65 micron as per ASTM - A123 and 153 etc., (excluding foundation) as per drawing appended (Ref Electrical SOR SI No. 5.14.5)	No	4	12,420.0	49680
20	Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for outdoor luminaries and mounted on Octagonal pole using necessary bolts,nuts, etc. complete Single Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.2)	Nos.	4	2,400.0	9600
21	Supply, installation, testing and commissioning of outdoor junction box for mounting MCB/Contactors with all required accessories and componenets	Nos	1	11,782.9	11783
22	Supply and fixing of miniature circuit breaker on exisiting board using necessasary fixing material and 'C' type curve, indicator ON/OFF, energy cross-3 with short circuit breaking capacity of 10 KA complete wiring as required confirming to IEC 60898 5- 32A TPN Electrical SOR- 6.16.5)	Nos	1	1,547.0	1547
23	Supplying of 1.1 kV LT cable having aluminium conductor PVC insulated, extruded inner sheathed, galvanised, steel strips (except 2C x 10 sq. mm wire armoured) as per IS-3975:1990 and extruded PVC outer sheathed armoured cable as per IS - 1554 Part 1:1988 & conforming to GTP of GROUP B 4 Core x16 Sq.mm PVC Aluminium Conductor, (Ref Electrical SOR SI No.7.5,7.5.4)	m	162	117.0	18954

Item No.	Description	Unit	Qty.	Unit Rate	Amount
24	Supply and drawing flexible multicore cable with electrolyte grade flexible copper with low conductor conforming to Table 3 Class 5 of IS:8130-1984 and vargin PVC insulation and sheathed suitable for working voltage up to 1100 V as per IS-694:1990 and conforming to GTP of Group A. 3C x 2.5 sq. mm (Ref. Electrical SOR 2.8.8)	m	28	81.6	2285
25	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of following sizes 16 Sq.mm PVC Aluminium Conductor (Ref Electrical SOR SI No.7.21,7.21.6)	Nos	8	11.3	90
26	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of following sizes 2.5 sq. mm copper conductor (Ref Electrical SOR SI No.7.21.2)	Nos	8	3.2	26
27	Chemical Earthing for grounding,conduits,IC cut outs and otherequipmentson the mter boardby using copper /SS rod with earth enhancing backfill compound which is non corrosive ,thermally,conductive,potential,to permissible,limits,superior,fault,conductive capacity,non toxic,weather resistance and capable of achieving ohmic value less than one ohm (Ref Electrical SOR Pg.No.64,SI No.7.23.6)	Kit	2	5,500.0	11000
28	Supply and running GI conductor for grounding and (along with other wires in conduits system of wiring) using necessasary suitable size clamps, nails, guttas/spacers etc-8 SWG (Ref Electrical SOR SI No.7.22.3)	Rmt	80	19.5	1560
29	Fabrication, Supplying, Erection, Testing and Commissioning of Mtrs long polygon high mast with Single 1 Multiple telescopic sections having, (minimum overlap distance of 1.5 times of top section) thickness as per BSEN 10025 grade S 355 JO IASTM A572-50 steel sheet plate for shaft suitable to withstand a wind velocity of 47 m/sec as per IS 875 part 3(as per GA awing). Base plate as per IS 20621 ASTM A572-50. The mast shall be Galvanized in single Hotdip as per BSEN ISO 1461/ASTM A123 with an average 70 microns as per IS 2629, and welded as per BS 5135 Single L-Seam joint. The mast shall have 2way head frame with die cast LM-6 pulleys, stainless steel axle, Phosphorus Bronze bearing bush press-fitted with separate guides for 2 runs of 5mm dia, stainless steel wire rope of AISI 304grade 7/19-core, (Factor of Safety as per TR no-7). 2.5sqmm EPR insulated PCP sheathed trailing power cable housed inside the bottom shaft of mast with door having locking arrangement. The mast shall have power tool operating on 2301 415V, 50Hz, 1/3 phases reversible geared motor. The mast shall have lantern of 2 segments, suitable dia with max load carrying capacity as per IS 1239. The mast shall be erected on existing RCC footing. The mast shall be supplied with 3mm thick template, lightning arrester of 1.2m length galvanized pipe with top arrow fitted on top of the head frame cover and GLS type aviation twin lamps fitting with wiring complete. (excluding foundation) as per technical data. Electrical SOR 5.17.1	Each	2	120,000.0	240000
30	Supply, installation, testing and commissioning of 120W LED flood light with lamp, driver and all other require accessories to finish the job (Rates as per DMA proceedings and letter no 26031 DMA 86 DEVT 2018-19 dated 29-11-2018)	No	8	8400	67200
	Total				523393

EXECUTIVE ENGINEER MSCL MANGALURU

GENERAL MANAGER TECHNICAL MSCL MANGALURU

Manglore Smart City

BILL OF QUANTITIES-Urdu school bunder road

	BILL OF QUANTITIES-ORGU SCHOOLD	<u></u>		1	
Item No.	Description	Unit	Qty.	Unit Rate	Amount
1	Removal of existing CFL, 1 x 9 W, surface mounted supply, installation, testing and commissioning of new LED 6W light fixture and commissioning with 50000 burning hours or 5 years of warranty	Nos.	1	1,212	1212
2	Removal of existing CFL, 1 x 12 W, Surface mounted supply, installation, testing and commissioning of new LED 6 W light fixture and commissioning with 50000 burning hours or 5 years of warranty	Nos.	1	1,303	1303
3	Removal of existing FTL, 1 x 36 W, surface mounted supply, installation, testing and commissioning of new LED 18 W light fixture and commissioning with 50000 burning hours or 5 years of warranty	Nos.	20	1,146	22928
4	40 W Incandescent lamp Removal of existing 40W incadescent light fixture. Supply, intallation, testing and commissioning of new LED 6 W light fixture with 50000 burning hours or 5 years of warranty	Nos.	10	600	6002
5	Supply and fixing of PVC casing and caping on the wall or ceiling using necessasary material like bends, screws at interval of 300 mm etc as required.(Electrical SOR 1.8.2) 25 mm	Mtr	320	26	8320
6	Wiring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concelead system of wiring with specified IS-694:1990 & confirming to GTP group A (Electrical SOR 2.5.1) 1 sq. mm	Mtr	50	13	650
7	Wiring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concelead system of wiring with specified IS-694:1990 & confirming to GTP group A (Electrical SOR 2.5.2) 1.5 sq. mm	Mtr	50	18.6	930
8	Wiring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concelead system of wiring with specified IS-694:1990 & confirming to GTP group A ((Electrical SOR 2.5.3)		100	29.2	2920
9	Wiring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concelead system of wiring with specified IS-694:1990 & confirming to GTP group A ((Electrical SOR 2.5.4) 4 sq. mm		675	42.1	28418
10	Supply and wiring adopting loop system in existing PVC conduit/casing capping using 1100 grade, copper conductor, flexible FRLS PVC insulated 2 x 1.5 sq. mm cable conforming to GTP with 6A flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of wires shall be terminated with sufficient loose length in a wood/pvc round block complete for each outlet (Electrical SOR 2.1.2)	point	16	245.0	3920
11	Medium point above 3 mtr upto 6 mtr from tapping point to outlet via switch Supply and wiring adopting loop system in existing PVC conduit/casing capping using 1100 grade, copper conductor, flexible FRLS PVC insulated 2 x 1.5 sq. mm cable conforming to GTP with 6A flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of wires shall be terminated with sufficient loose length in a wood/pvc round block complete for each outlet (Electrical SOR 2.1.3)	point	6	363.0	2178
12	Medium point above 6 mtr upto 10 mtr from tapping point to outlet via switch Supply and wiring adopting loop system in existing PVC conduit/casing capping using 1100 grade, copper conductor, flexible FRLS PVC insulated 2 x 1.5 sq. mm cable conforming to GTP without switch, the other end of wires shall be terminated with sufficient loose length in a wood/pvc round block complete for each outlet (Electrical SOR 2.3.2) Medium point above 3 mtr upto 6 mtr from tapping point to outlet via switch	point	10	215.0	2150
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Item No.	Description	Unit	Qty.	Unit Rate	Amount
13	Supplying heavy gauge pvc conduit dia 25 mm dia 2 mm thick conforming to IS 2509 suitable size bends, junction boxes, adhesive paste etc. and fixing using inverted wood plug incase of RCC ceiling and RCC wall/ stone structure or rawl plugs in case of brick wall and cement plastering the damage portion using heavy gauge saddles at an interval of 700 mm using NF screws. (Electrical SOR 1.1)	Mtr	50	70.0	3500
14	Supply and fixing of modular switch/socket/stepped electonic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293. Electrical SOR 3.7.1 6A one way switch	Each	15	63.0	945
15	Supply and fixing of modular switch/socket/stepped electonic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293. Electrical SOR 3.7.2 16A one way switch	Each	15	114.0	1710
16	Supply and fixing of modular switch/socket/stepped electonic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293. Electrical SOR 3.7.2 6/16A universal socket	Each	15	147.0	2205
17	Supply and fixing of modular switch/socket/stepped electonic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293. Electrical SOR 3.7.4 Stepped fan regulator	Each	15	286.0	4290
18	Supplying 2 to 4 way plastic gang box and fixing using necessary wooden/raw/phill plugs and screw. Electrical SOR 3.13.2	No.	20	29.0	580
19	Supplying capacitor type ceiling fan complete with down rod blades, shackles, canopies etc. operation on 230V, 50 cycles. Single phase AC supply confirming to IS -374-1979 and double ball bearing system. Electrial SOR 9.3.1.1	No	15	2,376.0	35640
20	1200 mm regular model Supplying exhaust fan of 1440 RPM of 300 mm size with bracket blades complete for light duty suitable to operate on 230V, 50 HZ AC supply	No	3	1,700.0	5100
21	Lighting Pole, 7 m Fabrication, suppl and erection of 7 meters long hot dip Galvanised Octagonal pole with BSE 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with oor opening arrangement, icluding suitable boards, bakelite sheet and MCBs as per IS specifications suitable for wind speed of 47 m/sec for 5 m pole in single section and single joint welded as per IS 9595/IS 10178 AWG having dimensions bottom 155 mm dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of long J bolts along with template and the pole shall be hot dip galvanized in single dipping with not less than 65 micron as per ASTM - A123 and 153 etc., (excluding foundation) as per drawing appended (Ref Electrical SOR SI No. 5.14.5)	No	3	12,420.0	37260
22	Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for outdoor luminaries and mounted on Octagonal pole using necessary bolts,nuts, etc. complete Single Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.2)	Nos.	3	2,400.0	7200
23	Supply, installation, testing and commissioning of outdoor junction box for mounting MCB/Contactors with all required accessories and componenets	Nos	1	11,782.9	11783
24	Supply and fixing of miniature circuit breaker on exisiting board using necessasary fixing material and 'C' type curve, indicator ON/OFF, energy cross-3 with short circuit breaking capacity of 10 KA complete wiring as required confirming to IEC 60898 5-32A TPN Electrical SOR- 6.16.5)	Nos	1	1,547.0	1547
25	Supplying of 1.1 kV LT cable having aluminium conductor PVC insulated, extruded inner sheathed, galvanised, steel strips (except 2C x 10 sq. mm wire armoured) as per IS-3975:1990 and extruded PVC outer sheathed armoured cable as per IS - 1554 Part 1:1988 & conforming to GTP of GROUP B 4 Core x16 Sq.mm PVC Aluminium Conductor, (Ref Electrical SOR SI No.7.5,7.5.4)	m	200	117.0	23400
26	Supply and drawing flexible multicore cable with electrolyte grade flexible copper with low conductor conforming to Table 3 Class 5 of IS:8130-1984 and vargin PVC insulation and sheathed suitable for working voltage up to 1100 V as per IS-694:1990 and conforming to GTP of Group A. 3C x 2.5 sq. mm (Ref. Electrical SOR 2.8.8)	m	21	81.6	1714

Item No.	Description	Unit	Qty.	Unit Rate	Amount
27	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of following sizes 16 Sq.mm PVC Aluminium Conductor (Ref Electrical SOR SI No.7.21,7.21.6)	Nos	6	11.3	68
28	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of following sizes 2.5 sq. mm copper conductor (Ref Electrical SOR SI No.7.21.2)	Nos	6	3.2	19
29	Chemical Earthing for grounding,conduits,IC cut outs and otherequipmentson the mter boardby using copper /SS rod with earth enhancing backfill compound which is non corrosive ,thermally,conductive,potential,to permissible,limits,superior,fault,conductive capacity,non toxic,weather resistance and capable of achieving ohmic value less than one ohm (Ref Electrical SOR Pg.No.64,SI No.7.23.6)	Kit	2	5,500.0	11000
30	Supply and running GI conductor for grounding and (along with other wires in conduits system of wiring) using necessasary suitable size clamps, nails, guttas/spacers etc-8 SWG (Ref Electrical SOR SI No.7.22.3)	Rmt	80	19.5	1560
31	Fabrication, Supplying, Erection, Testing and Commissioning of Mtrs long polygon high mast with Single 1 Multiple telescopic sections having, (minimum overlap distance of 1.5 times of top section) thickness as per BSEN 10025 grade S 355 JO IASTM A572-50 steel sheet plate for shaft suitable to withstand a wind velocity of 47 m/sec as per IS 875 part 3(as per GA awing). Base plate as per IS 20621 ASTM A572-50. The mast shall be Galvanized in single Hotdip as per BSEN ISO 1461/ASTM A123 with an average 70 microns as per IS 2629, and welded as per BS 5135 Single L-Seam joint. The mast shall have 2way head frame with die cast LM-6 pulleys, stainless steel axle, Phosphorus Bronze bearing bush press-fitted with separate guides for 2 runs of 5mm dia, stainless steel wire rope of AISI 304grade 7/19-core, (Factor of Safety as per TR no-7). 2.5sqmm EPR insulated PCP sheathed trailing power cable housed inside the bottom shaft of mast with door having locking arrangement. The mast shall have power tool operating on 2301 415V, 50Hz, 1/3 phases reversible geared motor. The mast shall have lantern of 2 segments, suitable dia with max load carrying capacity as per IS 1239. The mast shall be erected on existing RCC footing. The mast shall be supplied with 3mm thick template, lightning arrester of 1.2m length galvanized pipe with top arrow fitted on top of the head frame cover and GLS type aviation twin lamps fitting with wiring complete. (excluding foundation) as per technical data. Electrical SOR 5.17.1	Each	1	120,000.0	120000
32	Supply, installation, testing and commissioning of 120W LED flood light with lamp, driver and all other require accessories to finish the job (Rates as per DMA proceedings and letter no 26031 DMA 86 DEVT 2018-19 dated 29-11-2018)	No	4	8400	33600
	Total	<u> </u>			384052

BILL OF QUANTITIES-GHS Hoigebazar

	BILL OF QUANTITIES-GITS HOLD	ODGEG.		1	
Item No.	Description	Unit	Qty.	Unit Rate	Amount
1	Removal of existing FTL, 1 x 36 W, surface mounted supply, installation, testing and commissioning of new LED 18 W light fixture and commissioning with 50000 burning hours or 5 years of warranty	Nos.	10	1,146	11464
2	40 W Incandescent lamp Removal of existing 40W incadescent light fixture. Supply, intallation, testing and commissioning of new LED 6 W light fixture with 50000 burning hours or 5 years of warranty	Nos.	9	600	5401
3	Supply and fixing of PVC casing and caping on the wall or ceiling using necessasary material like bends, screws at interval of 300 mm etc as required.(Electrical SOR 1.8.2)	Mtr	190	26	4940
4	25 mm Wiring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concelead system of wiring with specified IS-694:1990 & confirming to GTP group A (Electrical SOR 2.5.1)	Mtr	50	13	650
5	1 sq. mm Wiring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concelead system of wiring with specified IS-694:1990 & confirming to GTP group A (Electrical SOR 2.5.2) 1.5 sq. mm	Mtr	50	18.6	930
6	Wiring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concelead system of wiring with specified IS-694:1990 & confirming to GTP group A ((Electrical SOR 2.5.3)		100	29.2	2920
7	Wiring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concelead system of wiring with specified IS-694:1990 & confirming to GTP group A ((Electrical SOR 2.5.4)		330	42.1	13893
8	4 sq. mm Supply and wiring adopting loop system in existing PVC conduit/casing capping using 1100 grade, copper conductor, flexible FRLS PVC insulated 2 x 1.5 sq. mm cable conforming to GTP with 6A flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of wires shall be terminated with sufficient loose length in a wood/pvc round block complete for each outlet (Electrical SOR 2.1.2)	point	10	245.0	2450
9	Medium point above 3 mtr upto 6 mtr from tapping point to outlet via switch Supply and wiring adopting loop system in existing PVC conduit/casing capping using 1100 grade, copper conductor, flexible FRLS PVC insulated 2 x 1.5 sq. mm cable conforming to GTP with 6A flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of wires shall be terminated with sufficient loose length in a wood/pvc round block complete for each outlet (Electrical SOR 2.1.3) Medium point above 6 mtr upto 10 mtr from tapping point to outlet via switch	point	4	363.0	1452
10	Supply and wiring adopting loop system in existing PVC conduit/casing capping using 1100 grade, copper conductor, flexible FRLS PVC insulated 2 x 1.5 sq. mm cable conforming to GTP without switch, the other end of wires shall be terminated with sufficient loose length in a wood/pvc round block complete for each outlet (Electrical SOR 2.3.2) Medium point above 3 mtr upto 6 mtr from tapping point to outlet via switch	point	5	215.0	1075
11	Supplying heavy gauge pvc conduit dia 25 mm dia 2 mm thick conforming to IS 2509 suitable size bends, junction boxes, adhesive paste etc. and fixing using inverted wood plug incase of RCC ceiling and RCC wall/ stone structure or rawl plugs in case of brick wall and cement plastering the damage portion using heavy gauge saddles at an interval of 700 mm using NF screws. (Electrical SOR 1.1)	Mtr	50	70.0	3500
12	Supply and fixing of modular switch/socket/stepped electonic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293. Electrical SOR 3.7.1 6A one way switch	Each	11	63.0	693

Item No.	Description	Unit	Qty.	Unit Rate	Amount
13	Supply and fixing of modular switch/socket/stepped electonic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293. Electrical SOR 3.7.2 16A one way switch	Each	11	114.0	1254
14	Supply and fixing of modular switch/socket/stepped electonic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293. Electrical SOR 3.7.2 6/16A universal socket	Each	11	147.0	1617
15	Supply and fixing of modular switch/socket/stepped electonic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293. Electrical SOR 3.7.4 Stepped fan regulator	Each	8	286.0	2288
16	Supplying 2 to 4 way plastic gang box and fixing using necessary wooden/raw/phill plugs and screw. Electrical SOR 3.13.2	No.	8	29.0	232
17	Supplying capacitor type ceiling fan complete with down rod blades, shackles, canopies etc. operation on 230V, 50 cycles. Single phase AC supply confirming to IS -374-1979 and double ball bearing system. Electrial SOR 9.3.1.1	No	8	2,376.0	19008
18	Supplying exhaust fan of 1440 RPM of 300 mm size with bracket blades complete for light duty suitable to operate on 230V, 50 HZ AC supply	No	3	1,700.0	5100
19	Dismantling of pole/ street light standard/ strut embedded in cement concrete foundation etc. as required	Nos.	1	938.0	938
20	Erection of metallic pole of following length in cement concrete 1 :3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) foundation including excavation and refilling etc. as required. Above 6.5 meter and upto 8.0 meter Existing poles (Delhi analysis of rates E & M 2016, item 11.3.2, pg 372))	No	1	2,945.0	2945
21	Lighting Pole, 7 m Fabrication, suppl and erection of 7 meters long hot dip Galvanised Octagonal pole with BSE 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with oor opening arrangement, icluding suitable boards, bakelite sheet and MCBs as per IS specifications suitable for wind speed of 47 m/sec for 5 m pole in single section and single joint welded as per IS 9595/IS 10178 AWG having dimensions bottom 155 mm dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of long J bolts along with template and the pole shall be hot dip galvanized in single dipping with not less than 65 micron as per ASTM - A123 and 153 etc., (excluding foundation) as per drawing appended (Ref Electrical SOR SI No. 5.14.5)	No	4	12,420.0	49680
22	Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for outdoor luminaries and mounted on Octagonal pole using necessary bolts,nuts, etc. complete Single Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.2)	Nos.	5	2,400.0	12000
23	Painting of Existing street light pole after scrapping the old paint and painted with suitable colour enamel including coping/footing of the poleabove 5.5 mtr to 7.5 mtr (Ref Electrical SOR SI No.16.28.2)	Nos	1	620.0	620
24	Supply, installation, testing and commissioning of outdoor junction box for mounting MCB/Contactors with all required accessories and componenets	Nos	1	11,782.9	11783
25	Supply and fixing of miniature circuit breaker on exisiting board using necessasary fixing material and 'C' type curve, indicator ON/OFF, energy cross-3 with short circuit breaking capacity of 10 KA complete wiring as required confirming to IEC 60898 5-32A TPN Electrical SOR- 6.16.5)	Nos	1	1,547.0	1547
26	Supplying of 1.1 kV LT cable having aluminium conductor PVC insulated, extruded inner sheathed, galvanised, steel strips (except 2C x 10 sq. mm wire armoured) as per IS-3975:1990 and extruded PVC outer sheathed armoured cable as per IS - 1554 Part 1:1988 & conforming to GTP of GROUP B 4 Core x16 Sq.mm PVC Aluminium Conductor, (Ref Electrical SOR SI No.7.5,7.5.4)	m	258	117.0	30186

			Unit Rate	Amount
Supply and drawing flexible multicore cable with electrolyte grade flexible copper with low conductor conforming to Table 3 Class 5 of IS:8130-1984 and vargin PVC insulation and sheathed suitable for working voltage up to 1100 V as per IS-694:1990 and conforming to GTP of Group A. 3C x 2.5 sq. mm (Ref. Electrical SOR 2.8.8)		35	81.6	2856
Supplying tinned copper lugs and crimping and wiring to terminal point for wire of following sizes 16 Sq.mm PVC Aluminium Conductor (Ref Electrical SOR SI No.7.21,7.21.6)	Nos	10	11.3	113
Supplying tinned copper lugs and crimping and wiring to terminal point for wire of following sizes 29 2.5 sq. mm copper conductor (Ref Electrical SOR SI No.7.21.2)	Nos	10	3.2	32
Chemical Earthing for grounding,conduits,IC cut outs and otherequipmentson the mter boardby using copper /SS rod with earth enhancing backfill compour which is non corrosive ,thermally,conductive,potential,to permissible,limits,superior,fault,conductive capacity,non toxic,weather resistance and capable of achieving ohmic value less than one ohm (Ref Electrical SOR Pg.No.64,SI No.7.23.6)		2	5,500.0	11000
Supply and running GI conductor for grounding and (along with other wires in conduits system of wiring) using necessasary suitable size clamps, nails, guttas/spacers etc-8 SWG (Ref Electrical SOR SI No.7.22.3)	Rmt	80	19.5	1560
Fabrication, Supplying, Erection, Testing and Commissioning of Mtrs long polygon high mast with Single 1 Multiple telescopic sections having, (minimul overlap distance of 1.5 times of top section) thickness as per BSEN 10025 grade S 355 JO IASTM A572-50 steel sheet plate for shaft suitable to withstand a wind velocity of 47 m/sec as per IS 875 part 3(as per GA awing). Base plate as per IS 20621 ASTM A572-50. The mast shall be Galvanized in single Hotdip as per BSEN ISO 1461/ASTM A123 with an average 70 microns as per IS 2629, and welded as per BS 5135 Single L-Seam joint. The mast shall have 2way head frame with die cast LM-6 pulleys, stainless steel axle, Phosphorus Bronze bearing bush press-fitted with separate guides for 2 runs of 5mm dia, stainless steel wire rope of AISI 304grade 7/19-core, (Factor of Safety as per TR no-7). 2.5sqmm EPR insulated PCP sheathed trailing power cable housed inside the bottom shaft of mast with door having locking arrangement. The mast shall have power tool operating on 2301 415V, 50Hz, 1/3 phases reversible geared motor. The mast shall have lantern of 2 segments, suitable dia with max load carrying capacity as per IS 1239. The mast shall be erected on existing RCC footing. The mast shall be supplied with 3mm thick template, lightning arrester of 1.2m length galvanized pipe with top arrow fitted on top of the head frame cover and GLS type aviation twin lamps fitting with wiring complete. (excluding foundation) as per technical data. Electrical SOR 5.17.1	d Each	1	120,000.0	120000
Supply, installation, testing and commissioning of 120W LED flood light with lamp, driver and all other require accessories to finish the job (Rates as per DMA proceedings and letter no 26031 DMA 86 DEVT 2018-19 dated 29-11-2018)	No	4	8400	33600
Total				357727

BILL OF QUANTITIES-Primary School, Hoigebazar, Ward-57

Item No.	Description	Unit	Qty.	Unit Rate	Amount
1	Removal of existing CFL, 1 x 9 W, surface mounted supply, installation, testing and commissioning of new LED 6W light fixture and commissioning with 50000 burning hours or 5 years of warranty	Nos.	3	1,212	3637
2	Removal of existing FTL, $2 \times 36 \text{ W}$, surface mounted supply, installation, testing and commissioning of new LED $2 \times 18 \text{ W}$ light fixture and commissioning with 50000 burning hours or 5 years of warranty	Nos.	6	1,691	10146
3	40 W Incandescent lamp Removal of existing 40W incadescent light fixture. Supply, intallation, testing and commissioning of new LED 6 W light fixture with 50000 burning hours or 5 years of warranty	Nos.	7	600	4201
4	Supply and fixing of PVC casing and caping on the wall or ceiling using necessasary material like bends, screws at interval of 300 mm etc as required.(Electrical SOR 1.8.2) 25 mm	Mtr	160	26	4160
5	Wiring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concelead system of wiring with specified IS-694:1990 & confirming to GTP group A (Electrical SOR 2.5.1) 1 sq. mm	Mtr	50	13	650
6	Wiring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concelead system of wiring with specified IS-694:1990 & confirming to GTP group A (Electrical SOR 2.5.2)	Mtr	50	18.6	930
7	1.5 sq. mm Wiring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concelead system of wiring with specified IS-694:1990 & confirming to GTP group A ((Electrical SOR 2.5.3)		100	29.2	2920
8	2.5 sq. mm Wiring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concelead system of wiring with specified IS-694:1990 & confirming to GTP group A ((Electrical SOR 2.5.4)		315	42.1	13262
9	4 sq. mm Supply and wiring adopting loop system in existing PVC conduit/casing capping using 1100 grade, copper conductor, flexible FRLS PVC insulated 2 x 1.5 sq. mm cable conforming to GTP with 6A flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of wires shall be terminated with sufficient loose length in a wood/pvc round block complete for each outlet (Electrical SOR 2.1.2)	point	7	245.0	1715
10	Medium point above 3 mtr upto 6 mtr from tapping point to outlet via switch Supply and wiring adopting loop system in existing PVC conduit/casing capping using 1100 grade, copper conductor, flexible FRLS PVC insulated 2 x 1.5 sq. mm cable conforming to GTP with 6A flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of wires shall be terminated with sufficient loose length in a wood/pvc round block complete for each outlet (Electrical SOR 2.1.3) Medium point above 6 mtr upto 10 mtr from tapping point to outlet via switch	point	4	363.0	1452
11	Supply and wiring adopting loop system in existing PVC conduit/casing capping using 1100 grade, copper conductor, flexible FRLS PVC insulated 2 x 1.5 sq. mm cable conforming to GTP without switch, the other end of wires shall be terminated with sufficient loose length in a wood/pvc round block complete for each outlet (Electrical SOR 2.3.2) Medium point above 3 mtr upto 6 mtr from tapping point to outlet via switch	point	5	215.0	1075

Item No.	Description	Unit	Qty.	Unit Rate	Amount
12	Supplying heavy gauge pvc conduit dia 25 mm dia 2 mm thick conforming to IS 2509 suitable size bends, junction boxes, adhesive paste etc. and fixing using inverted wood plug incase of RCC ceiling and RCC wall/ stone structure or rawl plugs in case of brick wall and cement plastering the damage portion using heavy gauge saddles at an interval of 700 mm using NF screws. (Electrical SOR 1.1)	Mtr	50	70.0	3500
13	Supply and fixing of modular switch/socket/stepped electonic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293. Electrical SOR 3.7.1 6A one way switch	Each	7	63.0	441
14	Supply and fixing of modular switch/socket/stepped electonic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293. Electrical SOR 3.7.2 16A one way switch	Each	7	114.0	798
15	Supply and fixing of modular switch/socket/stepped electonic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293. Electrical SOR 3.7.2 6/16A universal socket	Each	7	147.0	1029
16	Supply and fixing of modular switch/socket/stepped electonic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293. Electrical SOR 3.7.4 Stepped fan regulator	Each	12	286.0	3432
17	Supplying 2 to 4 way plastic gang box and fixing using necessary wooden/raw/phill plugs and screw. Electrical SOR 3.13.2	No.	12	29.0	348
18	Supplying capacitor type ceiling fan complete with down rod blades, shackles, canopies etc. operation on 230V, 50 cycles. Single phase AC supply confirming to IS -374-1979 and double ball bearing system. Electrial SOR 9.3.1.1 1200 mm regular model	No	12	2,376.0	28512
19	Supplying exhaust fan of 1440 RPM of 300 mm size with bracket blades complete for light duty suitable to operate on 230V, 50 HZ AC supply	No	3	1,700.0	5100
20	Lighting Pole, 7 m Fabrication, suppl and erection of 7 meters long hot dip Galvanised Octagonal pole with BSE 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with oor opening arrangement, icluding suitable boards, bakelite sheet and MCBs as per IS specifications suitable for wind speed of 47 m/sec for 5 m pole in single section and single joint welded as per IS 9595/IS 10178 AWG having dimensions bottom 155 mm dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of long J bolts along with template and the pole shall be hot dip galvanized in single dipping with not less than 65 micron as per ASTM - A123 and 153 etc., (excluding foundation) as per drawing appended (Ref Electrical SOR SI No. 5.14.5)	No	4	12,420.0	49680
21	Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for outdoor luminaries and mounted on Octagonal pole using necessary bolts,nuts, etc. complete Single Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.2)	Nos.	4	2,400.0	9600
22	Supply, installation, testing and commissioning of outdoor junction box for mounting MCB/Contactors with all required accessories and componenets	Nos	1	11,782.9	11783
23	Supply and fixing of miniature circuit breaker on exisiting board using necessasary fixing material and 'C' type curve, indicator ON/OFF, energy cross-3 with short circuit breaking capacity of 10 KA complete wiring as required confirming to IEC 60898 5- 32A TPN Electrical SOR- 6.16.5)	Nos	1	1,547.0	1547
24	Supplying of 1.1 kV LT cable having aluminium conductor PVC insulated, extruded inner sheathed, galvanised, steel strips (except 2C x 10 sq. mm wire armoured) as per IS-3975:1990 and extruded PVC outer sheathed armoured cable as per IS - 1554 Part 1:1988 & conforming to GTP of GROUP B 4 Core x16 Sq.mm PVC Aluminium Conductor, (Ref Electrical SOR SI No.7.5,7.5.4)	m	205	117.0	23985

Item No.	Description	Unit	Qty.	Unit Rate	Amount
25	Supply and drawing flexible multicore cable with electrolyte grade flexible copper with low conductor conforming to Table 3 Class 5 of IS:8130-1984 and vargin PVC insulation and sheathed suitable for working voltage up to 1100 V as per IS-694:1990 and conforming to GTP of Group A. 3C x 2.5 sq. mm (Ref. Electrical SOR 2.8.8)	m	28	81.6	2285
26	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of following sizes 16 Sq.mm PVC Aluminium Conductor (Ref Electrical SOR SI No.7.21,7.21.6)	Nos	8	11.3	90
27	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of following sizes 2.5 sq. mm copper conductor (Ref Electrical SOR SI No.7.21.2)	Nos	8	3.2	26
28 F	Chemical Earthing for grounding,conduits,IC cut outs and otherequipmentson the mter boardby using copper /SS rod with earth enhancing backfill compound which is non corrosive ,thermally,conductive,potential,to permissible,limits,superior,fault,conductive capacity,non toxic,weather resistance and capable of achieving ohmic value less than one ohm (Ref Electrical SOR Pg.No.64,SI No.7.23.6)	Kit	2	5,500.0	11000
29	Supply and running GI conductor for grounding and (along with other wires in conduits system of wiring) using necessasary suitable size clamps, nails, guttas/spacers etc-8 SWG (Ref Electrical SOR SI No.7.22.3)	Rmt	80	19.5	1560
30 r	Fabrication, Supplying, Erection, Testing and Commissioning of Mtrs long polygon high mast with Single 1 Multiple telescopic sections having, (minimum overlap distance of 1.5 times of top section) thickness as per BSEN 10025 grade S 355 JO IASTM A572-50 steel sheet plate for shaft suitable to withstand a wind velocity of 47 m/sec as per IS 875 part 3(as per GA awing). Base plate as per IS 20621 ASTM A572-50. The mast shall be Galvanized in single Hotdip as per BSEN ISO 1461/ASTM A123 with an average 70 microns as per IS 2629, and welded as per BS 5135 Single L-Seam joint. The mast shall have 2way head frame with die cast LM-6 pulleys, stainless steel axle, Phosphorus Bronze bearing bush press-fitted with separate guides for 2 runs of 5mm dia, stainless steel wire rope of AISI 304grade 7/19-core, (Factor of Safety as per TR no-7). 2.5sqmm EPR insulated PCP sheathed trailing power cable housed inside the bottom shaft of mast with door having locking arrangement. The mast shall have power tool operating on 2301 415V, 50Hz, 1/3 phases reversible geared motor. The mast shall have lantern of 2 segments, suitable dia with max load carrying capacity as per IS 1239. The mast shall be erected on existing RCC footing. The mast shall be supplied with 3mm thick template, lightning arrester of 1.2m length galvanized pipe with top arrow fitted on top of the head frame cover and GLS type aviation twin lamps fitting with wiring complete. (excluding foundation) as per technical data. Electrical SOR 5.17.1	Each	1	120,000.0	120000
31	Supply, installation, testing and commissioning of 120W LED flood light with lamp, driver and all other require accessories to finish the job (Rates as per DMA proceedings and letter no 26031 DMA 86 DEVT 2018-19 dated 29-11-2018)	No	4	8400	33600
	Total				352464

BILL OF QUANTITIES-Gov. Upper Primary School, Neereshwalya, Ward-45

Item No.	Description	Unit	Qty.	Unit Rate	Amount
1	Removal of existing FTL, 1 x 36 W, surface mounted supply, installation, testing and commissioning of new LED 18 W light fixture and commisioning with 50000 burning hours or 5 years of warranty	Nos.	9	1,146	10318
2	40 W Incandescent lamp Removal of existing 40W incadescent light fixture. Supply, intallation, testing and commissioning of new LED 6 W light fixture with 50000 burning hours or 5 years of warranty	Nos.	2	600	1200
3	Supply and fixing of PVC casing and caping on the wall or ceiling using necessasary material like bends, screws at interval of 300 mm etc as required.(Electrical SOR 1.8.2) 25 mm	Mtr	110	26	2860
4	Wiring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concelead system of wiring with specified IS-694:1990 & confirming to GTP group A (Electrical SOR 2.5.1) 1 sq. mm	Mtr	50	13	650
5	Wiring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concelead system of wiring with specified IS-694:1990 & confirming to GTP group A (Electrical SOR 2.5.2) 1.5 sq. mm	Mtr	50	18.6	930
6	Wiring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concelead system of wiring with specified IS-694:1990 & confirming to GTP group A ((Electrical SOR 2.5.3)		100	29.2	2920
7	2.5 sq. mm Wiring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concelead system of wiring with specified IS-694:1990 & confirming to GTP group A ((Electrical SOR 2.5.4)		450	42.1	18945
	4 sq. mm				
8	Supply and wiring adopting loop system in existing PVC conduit/casing capping using 1100 grade, copper conductor, flexible FRLS PVC insulated 2 x 1.5 sq. mm cable conforming to GTP with 6A flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of wires shall be terminated with sufficient loose length in a wood/pvc round block complete for each outlet (Electrical SOR 2.1.2)	point	5	245.0	1225
	Medium point above 3 mtr upto 6 mtr from tapping point to outlet via switch				
9	Supply and wiring adopting loop system in existing PVC conduit/casing capping using 1100 grade, copper conductor, flexible FRLS PVC insulated 2 x 1.5 sq. mm cable conforming to GTP with 6A flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of wires shall be terminated with sufficient loose length in a wood/pvc round block complete for each outlet (Electrical SOR 2.1.3)	point	3	363.0	1089
	Medium point above 6 mtr upto 10 mtr from tapping point to outlet via switch				
10	Supply and wiring adopting loop system in existing PVC conduit/casing capping using 1100 grade, copper conductor, flexible FRLS PVC insulated 2 x 1.5 sq. mm cable conforming to GTP without switch, the other end of wires shall be terminated with sufficient loose length in a wood/pvc round block complete for each outlet (Electrical SOR 2.3.2)	point	3	215.0	645
	Medium point above 3 mtr upto 6 mtr from tapping point to outlet via switch				

Item No.	Description	Unit	Qty.	Unit Rate	Amount
11	Supplying heavy gauge pvc conduit dia 25 mm dia 2 mm thick conforming to IS 2509 suitable size bends, junction boxes, adhesive paste etc. and fixing using inverted wood plug incase of RCC ceiling and RCC wall/ stone structure or rawl plugs in case of brick wall and cement plastering the damage portion using heavy gauge saddles at an interval of 700 mm using NF screws. (Electrical SOR 1.1)	Mtr	50	70.0	3500
12	Supply and fixing of modular switch/socket/stepped electonic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293. Electrical SOR 3.7.1 6A one way switch	Each	10	63.0	630
13	Supply and fixing of modular switch/socket/stepped electonic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293. Electrical SOR 3.7.2 16A one way switch	Each	10	114.0	1140
14	Supply and fixing of modular switch/socket/stepped electonic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293. Electrical SOR 3.7.2 6/16A universal socket	Each	10	147.0	1470
15	Supply and fixing of modular switch/socket/stepped electonic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293. Electrical SOR 3.7.4 Stepped fan regulator	Each	12	286.0	3432
16	Supplying 2 to 4 way plastic gang box and fixing using necessary wooden/raw/phill plugs and screw. Electrical SOR 3.13.2	No.	12	29.0	348
17	Supplying capacitor type ceiling fan complete with down rod blades, shackles, canopies etc. operation on 230V, 50 cycles. Single phase AC supply confirming to IS -374-1979 and double ball bearing system. Electrial SOR 9.3.1.1	No	12	2,376.0	28512
18	Supplying exhaust fan of 1440 RPM of 300 mm size with bracket blades complete for light duty suitable to operate on 230V, 50 HZ AC supply	No	3	1,700.0	5100
19	Lighting Pole, 7 m Fabrication, suppl and erection of 7 meters long hot dip Galvanised Octagonal pole with BSE 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with oor opening arrangement, icluding suitable boards, bakelite sheet and MCBs as per IS specifications suitable for wind speed of 47 m/sec for 5 m pole in single section and single joint welded as per IS 9595/IS 10178 AWG having dimensions bottom 155 mm dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of long J bolts along with template and the pole shall be hot dip galvanized in single dipping with not less than 65 micron as per ASTM - A123 and 153 etc., (excluding foundation) as per drawing appended (Ref Electrical SOR SI No. 5.14.5)	No	4	12,420.0	49680
20	Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for outdoor luminaries and mounted on Octagonal pole using necessary bolts,nuts, etc. complete Single Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.2)	Nos.	4	2,400.0	9600
21	Supply, installation, testing and commissioning of outdoor junction box for mounting MCB/Contactors with all required accessories and componenets	Nos	1	11,782.9	11783
22	Supply and fixing of miniature circuit breaker on exisiting board using necessasary fixing material and 'C' type curve, indicator ON/OFF, energy cross-3 with short circuit breaking capacity of 10 KA complete wiring as required confirming to IEC 60898 5-32A TPN Electrical SOR- 6.16.5)	Nos	1	1,547.0	1547
23	Supplying of 1.1 kV LT cable having aluminium conductor PVC insulated, extruded inner sheathed, galvanised, steel strips (except 2C x 10 sq. mm wire armoured) as per IS-3975:1990 and extruded PVC outer sheathed armoured cable as per IS - 1554 Part 1:1988 & conforming to GTP of GROUP B 4 Core x16 Sq.mm PVC Aluminium Conductor, (Ref Electrical SOR SI No.7.5,7.5.4)	m	105	117.0	12285

Item No.	Description	Unit	Qty.	Unit Rate	Amount
24	Supply and drawing flexible multicore cable with electrolyte grade flexible copper with low conductor conforming to Table 3 Class 5 of IS:8130-1984 and vargin PVC insulation and sheathed suitable for working voltage up to 1100 V as per IS-694:1990 and conforming to GTP of Group A. 3C x 2.5 sq. mm (Ref. Electrical SOR 2.8.8)	m	28	81.6	2285
25	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of following sizes 16 Sq.mm PVC Aluminium Conductor (Ref Electrical SOR SI No.7.21,7.21.6)	Nos	8	11.3	90
26	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of following sizes 2.5 sq. mm copper conductor (Ref Electrical SOR SI No.7.21.2)	Nos	8	3.2	26
27	Chemical Earthing for grounding,conduits,IC cut outs and otherequipmentson the mter boardby using copper /SS rod with earth enhancing backfill compound which is non corrosive ,thermally,conductive,potential,to permissible,limits,superior,fault,conductive capacity,non toxic,weather resistance and capable of achieving ohmic value less than one ohm (Ref Electrical SOR Pg.No.64,SI No.7.23.6)	Kit	2	5,500.0	11000
28	Supply and running GI conductor for grounding and (along with other wires in conduits system of wiring) using necessasary suitable size clamps, nails, guttas/spacers etc-8 SWG (Ref Electrical SOR SI No.7.22.3)	Rmt	80	19.5	1560
	Total				184770

BILL OF QUANTITIES-Block Education Office and Govt High School, Bolar

Item No.	Description	Unit	Qty.	Unit Rate	Amount
1	Removal of existing CFL, 1 x 16 W, Surface mounted supply, installation, testing and commissioning of new LED 8 W light fixture and commissioning with 50000 burning hours or 5 years of warranty	Nos.	2	1,335	2671
2	Removal of existing FTL, 1 x 36 W, surface mounted supply, installation, testing and commissioning of new LED 18 W light fixture and commissioning with 50000 burning hours or 5 years of warranty	Nos.	48	1,146	55027
3	40 W Incandescent lamp Removal of existing 40W incadescent light fixture. Supply, intallation, testing and commissioning of new LED 6 W light fixture with 50000 burning hours or 5 years of warranty	Nos.	3	600	1800
4	Supply and fixing of PVC casing and caping on the wall or ceiling using necessasary material like bends, screws at interval of 300 mm etc as required.(Electrical SOR 1.8.2) 25 mm	Mtr	530	26	13780
5	Wiring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concelead system of wiring with specified IS-694:1990 & confirming to GTP group A (Electrical SOR 2.5.1) 1 sq. mm	Mtr	50	13	650
6	Wiring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concelead system of wiring with specified IS-694:1990 & confirming to GTP group A (Electrical SOR 2.5.2) 1.5 sq. mm	Mtr	50	18.6	930
7	Wiring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concelead system of wiring with specified IS-694:1990 & confirming to GTP group A ((Electrical SOR 2.5.3)		100	29.2	2920
	2.5 sq. mm				
8	Wiring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concelead system of wiring with specified IS-694:1990 & confirming to GTP group A ((Electrical SOR 2.5.4)		675	42.1	28418
9	4 sq. mm Supply and wiring adopting loop system in existing PVC conduit/casing capping using 1100 grade, copper conductor, flexible FRLS PVC insulated 2 x 1.5 sq. mm cable conforming to GTP with 6A flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of wires shall be terminated with sufficient loose length in a wood/pvc round block complete for each outlet (Electrical SOR 2.1.2) Medium point above 3 mtr upto 6 mtr from tapping point to outlet via switch	point	30	245.0	7350
10	Supply and wiring adopting loop system in existing PVC conduit/casing capping using 1100 grade, copper conductor, flexible FRLS PVC insulated 2 x 1.5 sq. mm cable conforming to GTP with 6A flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of wires shall be terminated with sufficient loose length in a wood/pvc round block complete for each outlet (Electrical SOR 2.1.3) Medium point above 6 mtr upto 10 mtr from tapping point to outlet via switch	point	7	363.0	2541

Item No.	Description	Unit	Qty.	Unit Rate	Amount
11	Supply and wiring adopting loop system in existing PVC conduit/casing capping using 1100 grade, copper conductor, flexible FRLS PVC insulated 2 x 1.5 sq. mm cable conforming to GTP without switch, the other end of wires shall be terminated with sufficient loose length in a wood/pvc round block complete for each outlet (Electrical SOR 2.3.2)	point	16	215.0	3440
	Medium point above 3 mtr upto 6 mtr from tapping point to outlet via switch				
12	Supplying heavy gauge pvc conduit dia 25 mm dia 2 mm thick conforming to IS 2509 suitable size bends, junction boxes, adhesive paste etc. and fixing using inverted wood plug incase of RCC ceiling and RCC wall/ stone structure or rawl plugs in case of brick wall and cement plastering the damage portion using heavy gauge saddles at an interval of 700 mm using NF screws. (Electrical SOR 1.1)	Mtr	50	70.0	3500
13	Supply and fixing of modular switch/socket/stepped electonic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293. Electrical SOR 3.7.1 6A one way switch	Each	15	63.0	945
14	Supply and fixing of modular switch/socket/stepped electonic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293. Electrical SOR 3.7.2 16A one way switch	Each	15	114.0	1710
15	Supply and fixing of modular switch/socket/stepped electonic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293. Electrical SOR 3.7.2 6/16A universal socket	Each	15	147.0	2205
16	Supply and fixing of modular switch/socket/stepped electonic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293. Electrical SOR 3.7.4 Stepped fan regulator	Each	20	286.0	5720
17	Supplying 2 to 4 way plastic gang box and fixing using necessary wooden/raw/phill plugs and screw. Electrical SOR 3.13.2	No.	20	29.0	580
18	Supplying capacitor type ceiling fan complete with down rod blades, shackles, canopies etc. operation on 230V, 50 cycles. Single phase AC supply confirming to IS -374-1979 and double ball bearing system. Electrial SOR 9.3.1.1	No	20	2,376.0	47520
	1200 mm regular model				
19	Supplying exhaust fan of 1440 RPM of 300 mm size with bracket blades complete for light duty suitable to operate on 230V, 50 HZ AC supply	No	3	1,700.0	5100
20	Dismantling of pole/ street light standard/ strut embedded in cement concrete foundation etc. as required	Nos.	2	938.0	1876
21	Erection of metallic pole of following length in cement concrete 1 :3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) foundation including excavation and refilling etc. as required. Above 6.5 meter and upto 8.0 meter Existing poles (Delhi analysis of rates E & M 2016, item 11.3.2, pg 372))	No	2	2,945.0	5890
22	Lighting Pole, 7 m Fabrication, suppl and erection of 7 meters long hot dip Galvanised Octagonal pole with BSE 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with oor opening arrangement, icluding suitable boards, bakelite sheet and MCBs as per IS specifications suitable for wind speed of 47 m/sec for 5 m pole in single section and single joint welded as per IS 9595/IS 10178 AWG having dimensions bottom 155 mm dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of long J bolts along with template and the pole shall be hot dip galvanized in single dipping with not less than 65 micron as per ASTM - A123 and 153 etc., (excluding foundation) as per drawing appended (Ref Electrical SOR SI No. 5.14.5)	No	2	12,420.0	24840

Item No.	Description	Unit	Qty.	Unit Rate	Amount
23	Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for outdoor luminaries and mounted on Octagonal pole using necessary bolts,nuts, etc. complete Single Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.2)	Nos.	4	2,400.0	9600
24	Supply, installation, testing and commissioning of outdoor junction box for mounting MCB/Contactors with all required accessories and componenets	Nos	2	11,782.9	23566
25	Supply and fixing of miniature circuit breaker on exisiting board using necessasary fixing material and 'C' type curve, indicator ON/OFF, energy cross-3 with short circuit breaking capacity of 10 KA complete wiring as required confirming to IEC 60898 5-32A TPN Electrical SOR- 6.16.5)	Nos	2	1,547.0	3094
26	Supplying of 1.1 kV LT cable having aluminium conductor PVC insulated, extruded inner sheathed, galvanised, steel strips (except 2C x 10 sq. mm wire armoured) as per IS-3975:1990 and extruded PVC outer sheathed armoured cable as per IS - 1554 Part 1:1988 & conforming to GTP of GROUP B 4 Core x16 Sq.mm PVC Aluminium Conductor, (Ref Electrical SOR SI No.7.5,7.5.4)	m	160	117.0	18720
27	Supply and drawing flexible multicore cable with electrolyte grade flexible copper with low conductor conforming to Table 3 Class 5 of IS:8130-1984 and vargin PVC insulation and sheathed suitable for working voltage up to 1100 V as per IS-694:1990 and conforming to GTP of Group A. 3C x 2.5 sq. mm (Ref. Electrical SOR 2.8.8)	m	28	81.6	2285
28	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of following sizes 16 Sq.mm PVC Aluminium Conductor (Ref Electrical SOR SI No.7.21,7.21.6)	Nos	8	11.3	90
29	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of following sizes 2.5 sq. mm copper conductor (Ref Electrical SOR SI No.7.21.2)	Nos	8	3.2	26
30	Chemical Earthing for grounding,conduits,IC cut outs and otherequipmentson the mter boardby using copper /SS rod with earth enhancing backfill compound which is non corrosive ,thermally,conductive,potential,to permissible,limits,superior,fault,conductive capacity,non toxic,weather resistance and capable of achieving ohmic value less than one ohm (Ref Electrical SOR Pg.No.64,SI No.7.23.6)	Kit	2	5,500.0	11000
31	Supply and running GI conductor for grounding and (along with other wires in conduits system of wiring) using necessasary suitable size clamps, nails, guttas/spacers etc-8 SWG (Ref Electrical SOR SI No.7.22.3)	Rmt	80	19.5	1560

Item No.	Description	Unit	Qty.	Unit Rate	Amount
32	Fabrication, Supplying, Erection, Testing and Commissioning of Mtrs long polygon high mast with Single 1 Multiple telescopic sections having, (minimum overlap distance of 1.5 times of top section) thickness as per BSEN 10025 grade S 355 JO IASTM A572-50 steel sheet plate for shaft suitable to withstand a wind velocity of 47 m/sec as per IS 875 part 3(as per GA awing). Base plate as per IS 20621 ASTM A572-50. The mast shall be Galvanized in single Hotdip as per BSEN ISO 1461/ASTM A123 with an average 70 microns as per IS 2629, and welded as per BS 5135 Single L-Seam joint. The mast shall have 2way head frame with die cast LM-6 pulleys, stainless steel axle, Phosphorus Bronze bearing bush press-fitted with separate guides for 2 runs of 5mm dia, stainless steel wire rope of AISI 304grade 7/19-core, (Factor of Safety as per TR no-7). 2.5sqmm EPR insulated PCP sheathed trailing power cable housed inside the bottom shaft of mast with door having locking arrangement. The mast shall have power tool operating on 2301 415V, 50Hz, 1/3 phases reversible geared motor. The mast shall have lantern of 2 segments, suitable dia with max load carrying capacity as per IS 1239. The mast shall be erected on existing RCC footing. The mast shall be supplied with 3mm thick template, lightning arrester of 1.2m length galvanized pipe with top arrow fitted on top of the head frame cover and GLS type aviation twin lamps fitting with wiring complete. (excluding foundation) as per technical data. Electrical SOR 5.17.1	Each	1	120,000.0	120000
33	lamp, driver and all other require accessories to finish the job (Rates as per DMA proceedings and letter no 26031 DMA 86 DEVT 2018-19 dated 29-11-2018)	No	4	8400	33600
	Total				442954

BILL OF QUANTITIES-Balmatta

Item No.	Description	Unit	Qty.	Unit Rate	Amount
1	Removal of existing FTL, 1 x 36 W, surface mounted supply, installation, testing and commissioning of new LED 18 W light fixture and commisioning with 50000 burning hours or 5 years of warranty	Nos.	21	1,146	24074
2	40 W Incandescent lamp Removal of existing 40W incadescent light fixture. Supply, intallation, testing and commissioning of new LED 6 W light fixture with 50000 burning hours or 5 years of warranty	Nos.	17	600	10203
3	Supply and fixing of PVC casing and caping on the wall or ceiling using necessasary material like bends, screws at interval of 300 mm etc as required.(Electrical SOR 1.8.2) 25 mm	Mtr	570	26	14820
4	Wiring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concelead system of wiring with specified IS-694:1990 & confirming to GTP group A (Electrical SOR 2.5.1) 1 sq. mm	Mtr	50	13	650
5	Wiring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concelead system of wiring with specified IS-694:1990 & confirming to GTP group A (Electrical SOR 2.5.2)	Mtr	50	18.6	930
6	1.5 sq. mm Wiring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concelead system of wiring with specified IS-694:1990 & confirming to GTP group A ((Electrical SOR 2.5.3) 2.5 sq. mm	Mtr	100	29.2	2920
7	Wiring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concelead system of wiring with specified IS-694:1990 & confirming to GTP group A ((Electrical SOR 2.5.4) 4 sq. mm	Mtr	450	42.1	18945
8	Supply and wiring adopting loop system in existing PVC conduit/casing capping using 1100 grade, copper conductor, flexible FRLS PVC insulated 2 x 1.5 sq. mm cable conforming to GTP with 6A flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of wires shall be terminated with sufficient loose length in a wood/pvc round block complete for each outlet (Electrical SOR 2.1.2)	point	12	245.0	2940
9	Medium point above 3 mtr upto 6 mtr from tapping point to outlet via switch Supply and wiring adopting loop system in existing PVC conduit/casing capping using 1100 grade, copper conductor, flexible FRLS PVC insulated 2 x 1.5 sq. mm cable conforming to GTP with 6A flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of wires shall be terminated with sufficient loose length in a wood/pvc round block complete for each outlet (Electrical SOR 2.1.3)	point	15	363.0	5445
10	Medium point above 6 mtr upto 10 mtr from tapping point to outlet via switch Supply and wiring adopting loop system in existing PVC conduit/casing capping using 1100 grade, copper conductor, flexible FRLS PVC insulated 2 x 1.5 sq. mm cable conforming to GTP without switch, the other end of wires shall be terminated with sufficient loose length in a wood/pvc round block complete for each outlet (Electrical SOR 2.3.2) Medium point above 3 mtr upto 6 mtr from tapping point to outlet via switch	point	11	215.0	2365

Item No.	Description	Unit	Qty.	Unit Rate	Amount
11	Supplying heavy gauge pvc conduit dia 25 mm dia 2 mm thick conforming to IS 2509 suitable size bends, junction boxes, adhesive paste etc. and fixing using inverted wood plug incase of RCC ceiling and RCC wall/ stone structure or rawl plugs in case of brick wall and cement plastering the damage portion using heavy gauge saddles at an interval of 700 mm using NF screws. (Electrical SOR 1.1)	Mtr	50	70.0	3500
12	Supply and fixing of modular switch/socket/stepped electonic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293. Electrical SOR 3.7.1 6A one way switch	Each	15	63.0	945
13	Supply and fixing of modular switch/socket/stepped electonic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293. Electrical SOR 3.7.2 16A one way switch	Each	15	114.0	1710
14	Supply and fixing of modular switch/socket/stepped electonic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293. Electrical SOR 3.7.2 6/16A universal socket	Each	15	147.0	2205
15	Supply and fixing of modular switch/socket/stepped electonic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293. Electrical SOR 3.7.4 Stepped fan regulator	Each	15	286.0	4290
16	Supplying 2 to 4 way plastic gang box and fixing using necessary wooden/raw/phill plugs and screw. Electrical SOR 3.13.2	No.	30	29.0	870
17	Supplying capacitor type ceiling fan complete with down rod blades, shackles, canopies etc. operation on 230V, 50 cycles. Single phase AC supply confirming to IS -374-1979 and double ball bearing system. Electrial SOR 9.3.1.1	No	15	2,376.0	35640
	1200 mm regular model Supplying exhaust fan of 1440 RPM of 300 mm size with bracket blades				
18	complete for light duty suitable to operate on 230V, 50 HZ AC supply	No	5	1,700.0	8500
19	Dismantling of pole/ street light standard/ strut embedded in cement concrete foundation etc. as required	Nos.	10	938.0	9380
20	Erection of metallic pole of following length in cement concrete 1:3:6 (1 cement: 3 coarse sand: 6 graded stone aggregate 40 mm nominal size) foundation including excavation and refilling etc. as required. Above 6.5 meter and upto 8.0 meter Existing poles [Polls and refine of rates 5:8 M 2016; item 44:3.2 and 372)]	No	10	2,945.0	29450
21	(Delhi analysis of rates E & M 2016, item 11.3.2, pg 372)) Lighting Pole, 4 m Fabrication, supply and erection of 4 meters long hot dip Galvanised Octagonal pole with BSE 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangement, icluding suitable boards, bakelite sheet and MCBs as per IS specifications suitable for wind speed of 47 m/sec for 5 4 pole in single section and single joint welded as per IS 9595/IS 10178 AWG having dimensions bottom 130 mm dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of long J bolts along with template and the pole shall be hot dip galvanized in single dipping with not less than 65 micron as per ASTM - A123 and 153 etc., (excluding foundation) as per drawing appended (Ref Electrical SOR SI No.5.14.2)	No	3	7,398.0	22194
22	Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for outdoor luminaries and mounted on Octagonal pole using necessary bolts,nuts, etc. complete Single Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.2)	Nos.	15	2,400.0	36000
23	Painting of Existing street light pole after scrapping the old paint and painted with suitable colour enamel including coping/footing of the poleabove 5.5 mtr to 7.5 mtr (Ref Electrical SOR SI No.16.28.2)	Nos	10	620.0	6200

Item No.	Description	Unit	Qty.	Unit Rate	Amount
24	Supply, installation, testing and commissioning of outdoor junction box for mounting MCB/Contactors with all required accessories and componenets	Nos	2	11,782.9	23566
25	Supply and fixing of miniature circuit breaker on exisiting board using necessasary fixing material and 'C' type curve, indicator ON/OFF, energy cross-3 with short circuit breaking capacity of 10 KA complete wiring as required confirming to IEC 60898 5- 32A TPN Electrical SOR- 6.16.5)	Nos	2	1,547.0	3094
26	Supplying of 1.1 kV LT cable having aluminium conductor PVC insulated, extruded inner sheathed, galvanised, steel strips (except 2C x 10 sq. mm wire armoured) as per IS-3975:1990 and extruded PVC outer sheathed armoured cable as per IS - 1554 Part 1:1988 & conforming to GTP of GROUP B 4 Core x16 Sq.mm PVC Aluminium Conductor, (Ref Electrical SOR SI No.7.5,7.5.4)	m	526	117.0	61542
27	Supply and drawing flexible multicore cable with electrolyte grade flexible copper with low conductor conforming to Table 3 Class 5 of IS:8130-1984 and vargin PVC insulation and sheathed suitable for working voltage up to 1100 V as per IS-694:1990 and conforming to GTP of Group A. 3C x 2.5 sq. mm (Ref. Electrical SOR 2.8.8)	m	82	81.6	6691
28	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of following sizes 16 Sq.mm PVC Aluminium Conductor (Ref Electrical SOR SI No.7.21,7.21.6)	Nos	26	11.3	294
29	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of following sizes 2.5 sq. mm copper conductor (Ref Electrical SOR SI No.7.21.2)	Nos	26	3.2	83
30	Chemical Earthing for grounding,conduits,IC cut outs and otherequipmentson the mter boardby using copper /SS rod with earth enhancing backfill compound which is non corrosive ,thermally,conductive,potential,to permissible,limits,superior,fault,conductive capacity,non toxic,weather resistance and capable of achieving ohmic value less than one ohm (Ref Electrical SOR Pg.No.64,SI No.7.23.6)	Kit	2	5,500.0	11000
31	Supply and running GI conductor for grounding and (along with other wires in conduits system of wiring) using necessasary suitable size clamps, nails, guttas/spacers etc-8 SWG (Ref Electrical SOR SI No.7.22.3)	Rmt	80	19.5	1560
32	Fabrication, Supplying, Erection, Testing and Commissioning of Mtrs long polygon high mast with Single 1 Multiple telescopic sections having, (minimum overlap distance of 1.5 times of top section) thickness as per BSEN 10025 grade S 355 JO IASTM A572-50 steel sheet plate for shaft suitable to withstand a wind velocity of 47 m/sec as per IS 875 part 3(as per GA awing). Base plate as per IS 20621 ASTM A572-50. The mast shall be Galvanized in single Hotdip as per BSEN ISO 1461/ASTM A123 with an average 70 microns as per IS 2629, and welded as per BS 5135 Single L-Seam joint. The mast shall have 2way head frame with die cast LM-6 pulleys, stainless steel axle, Phosphorus Bronze bearing bush press-fitted with separate guides for 2 runs of 5mm dia, stainless steel wire rope of AISI 304grade 7/19-core, (Factor of Safety as per TR no-7). 2.5sqmm EPR insulated PCP sheathed trailing power cable housed inside the bottom shaft of mast with door having locking arrangement. The mast shall have power tool operating on 2301 415V, 50Hz, 1/3 phases reversible geared motor. The mast shall have lantern of 2 segments, suitable dia with max load carrying capacity as per IS 1239. The mast shall be erected on existing RCC footing. The mast shall be supplied with 3mm thick template, lightning arrester of 1.2m length galvanized pipe with top arrow fitted on top of the head frame cover and GLS type aviation twin lamps fitting with wiring complete. (excluding foundation) as per technical data. Electrical SOR 5.17.1	Each	2	120,000.0	240000

Item No.	Description	Unit	Qty.	Unit Rate	Amount
33	Supply, installation, testing and commissioning of 120W LED flood light with lamp, driver and all other require accessories to finish the job (Rates as per DMA proceedings and letter no 26031 DMA 86 DEVT 2018-19 dated 29-11-2018)	No	8	8400	67200
	Total				659206

BILL OF QUANTITIES-Govt. Practicing School, Opp. Maidan Road near Railway Station

	Unit	Qty.	Unit Rate	Amount
Removal of existing CFL, 1 x 16 W, Surface mounted supply, installation, testing and commissioning of new LED 8 W light fixture and commissioning with 50000 burning hours or 5 years of warranty	Nos.	6	1,335	8012
Removal of existing FTL, 1 x 36 W, surface mounted supply, installation, testing and commissioning of new LED 18 W light fixture and commissioning with 50000 burning hours or 5 years of warranty	Nos.	74	1,146	84834
Removal of existing FTL, 2 x 36 W, surface mounted supply, installation, testing and commissioning of new LED 2 x 18 W light fixture and commissioning with 50000 burning hours or 5 years of warranty	Nos.	1	1,691	1691
40 W Incandescent lamp Removal of existing 40W incadescent light fixture. Supply, intallation, testing and commissioning of new LED 6 W light fixture with 50000 burning hours or 5 years of warranty	Nos.	24	600	14404
Supply and fixing of PVC casing and caping on the wall or ceiling using necessasary material like bends, screws at interval of 300 mm etc as required.(Electrical SOR 1.8.2)	Mtr	1050	26	27300
Wiring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concelead system of wiring with specified IS-694:1990 & confirming to GTP group A (Electrical SOR 2.5.1)	Mtr	50	13	650
Wiring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concelead system of wiring with specified IS-694:1990 & confirming to GTP group A (Electrical SOR 2.5.2)	Mtr	50	18.6	930
Wiring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concelead system of wiring with specified IS-694:1990 & confirming to GTP group A ((Electrical SOR 2.5.3)	Mtr	200	29.2	5840
Wiring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concelead system of wiring with specified IS-694:1990 & confirming to GTP group A ((Electrical SOR 2.5.4) 4 sq. mm	Mtr	750	42.1	31575
Supply and wiring adopting loop system in existing PVC conduit/casing capping using 1100 grade, copper conductor, flexible FRLS PVC insulated 2 x 1.5 sq. mm cable conforming to GTP with 6A flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of wires shall be terminated with sufficient loose length in a wood/pvc round block complete for each outlet (Electrical SOR 2.1.2) Medium point above 3 mtr upto 6 mtr from tapping point to outlet via switch	point	40	245.0	9800
Supply and wiring adopting loop system in existing PVC conduit/casing capping using 1100 grade, copper conductor, flexible FRLS PVC insulated 2 x 1.5 sq. mm cable conforming to GTP with 6A flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of wires shall be terminated with sufficient loose length in a wood/pvc round block complete for each outlet (Electrical SOR 2.1.3)	point	34	363.0	12342
	testing and commissioning of new LED 8 W light fixture and commisioning with 50000 burning hours or 5 years of warranty Removal of existing FTL, 1 x 36 W, surface mounted supply, installation, testing and commissioning of new LED 18 W light fixture and commissioning with 50000 burning hours or 5 years of warranty Removal of existing FTL, 2 x 36 W, surface mounted supply, installation, testing and commissioning of new LED 2 x 18 W light fixture and commissioning with 50000 burning hours or 5 years of warranty 40 W Incandescent lamp Removal of existing 40W incadescent light fixture. Supply, installation, testing and commissioning of new LED 6 W light fixture with 50000 burning hours or 5 years of warranty Supply and fixing of PVC casing and caping on the wall or ceiling using necessasary material like bends, screws at interval of 300 mm etc as required. (Electrical SOR 1.8.2) 25 mm Wiring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concelead system of wiring with specified IS-694:1990 & confirming to GTP group A (Electrical SOR 2.5.1) 1 sq. mm Wiring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concelead system of wiring with specified IS-694:1990 & confirming to GTP group A (Electrical SOR 2.5.2) 1.5 sq. mm Wiring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concelead system of wiring with specified IS-694:1990 & confirming to GTP group A (Electrical SOR 2.5.2) 1.5 sq. mm Wiring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concelead system of wiring with specified IS-694:1990 & confirming to GTP group A ((Electrical SOR 2.5.3) 2.5 sq. mm Wiring for lighting/power ci	testing and commissioning of new LED 8 W light fixture and commissioning with 50000 burning hours or 5 years of warranty Removal of existing FTL, 1 x 36 W, surface mounted supply, installation, testing and commissioning of new LED 18 W light fixture and commissioning with 50000 burning hours or 5 years of warranty Removal of existing FTL, 2 x 36 W, surface mounted supply, installation, testing and commissioning of new LED 2 x 18 W light fixture and commissioning with 50000 burning hours or 5 years of warranty 40 W Incandescent lamp Removal of existing 40W incadescent light fixture. Supply, installation, testing and commissioning of new LED 6 W light fixture with 50000 burning hours or 5 years of warranty 50 yeply and fixing of PVC casing and caping on the wall or ceiling using necessasary material like bends, screws at interval of 300 mm etc as required. (Electrical SOR 1.8.2) 50 yeply and fixing of PVC casing and caping on the wall or ceiling using necessasary material like bends, screws at interval of 300 mm etc as required. (Electrical SOR 1.8.2) 50 yeply and fixing of pvC casing and caping on the wall or ceiling using necessasary material like bends, screws at interval of 300 mm etc as required. (Electrical SOR 2.5.1) Mitr of TP group A (Electrical SOR 2.5.1) 1 sq. mm Wiring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concellead system of wiring with specified IS-694:1990 & confirming to GTP group A (Electrical SOR 2.5.2) 1.5 sq. mm Wiring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concellead system of wiring with specified IS-694:1990 & confirming to GTP group A (Electrical SOR 2.5.4) 4 sq. mm Wiring for lighting/power circuit using one of the FRLS PVC insultated 2 x 1.5 sq. mm cable conforming to GTP with 6.4 flush type SP control switch shall be fixed on the e	testing and commissioning of new LED 8 W light fixture and commisioning with 50000 burning hours or 5 years of warranty Removal of existing FTL, 1 x 38 W, surface mounted supply, installation, testing and commissioning of new LED 18 W light fixture and commissioning with 50000 burning hours or 5 years of warranty Removal of existing FTL, 2 x 36 W, surface mounted supply, installation, testing and commissioning of new LED 2 x 18 W light fixture and commissioning with 50000 burning hours or 5 years of warranty 40 W Incandescent lamp Removal of existing 40W incadescent light fixture. Supply, intallation, testing and commissioning of new LED 6 W light fixture with 50000 burning hours or 5 years of warranty Supply and fixing of PVC casing and caping on the wall or ceiling using necessasary material like bends, screws at interval of 300 mm etc as required,(Electrical SOR 1.8.2) 5 mm Wiring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concellead system of wiring with specified IS-694:1990 & confirming to GTP group A (Electrical SOR 2.5.1) 1 sq. mm Wiring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concellead system of wiring with specified IS-694:1990 & confirming to GTP group A (Electrical SOR 2.5.2) 1.5 sq. mm Wiring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concellead system of wiring with specified IS-694:1990 & confirming to GTP group A (Electrical SOR 2.5.3) 2.5 sq. mm Wiring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concellead system of wiring with specified IS-694:1990 & confirming to GTP group A (Electrical SOR 2.5.4) 4 sq. mm Wiring for lighting/power circ	testing and commissioning of new LED 8 W light fixture and commisioning with 50000 burning hours or 5 years of warranty Removal of existing FTL, 1 x 36 W, surface mounted supply, installation, testing and commissioning of new LED 18 W light fixture and commissioning with 50000 burning hours or 5 years of warranty Removal of existing FTL, 2 x 36 W, surface mounted supply, installation, testing and commissioning of new LED 2 x 18 W light fixture and commissioning with 50000 burning hours or 5 years of warranty 40 W Incandescent lamp Removal of existing 40W incadescent light fixture. Supply, intallation, testing and commissioning of new LED 6 W light fixture with 50000 burning hours or 5 years of warranty 40 W Incandescent lamp Removal of existing 40W incadescent light fixture. Supply, intallation, testing and commissioning of new LED 6 W light fixture with 50000 burning hours or 5 years of warranty 40 W Incandescent lamp Removal of existing 40W incadescent light fixture. Supply, intallation, testing and commissioning of new LED 6 W light fixture with 50000 burning hours or 5 years of warranty 40 W Incandescent lamp Removal of existing 40W incadescent light fixture. Supply, intallation, testing and commissioning of new LED 6 W light fixture with 50000 burning hours or 5 years of warranty 50000 burning hours or 5 years of warranty Miring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concelead system of wiring with specified IS-694:1990 & confirming to GTP group A (Electrical SOR 2.5.2) 1.5 sq. mm Wiring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concelead system of wiring with specified IS-694:1990 & confirming to GTP group A (Electrical SOR 2.5.3) 2.5 sq. mm Wiring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistanc

Item No.	Description	Unit	Qty.	Unit Rate	Amount
12	Supply and wiring adopting loop system in existing PVC conduit/casing capping using 1100 grade, copper conductor, flexible FRLS PVC insulated 2 x 1.5 sq. mm cable conforming to GTP without switch, the other end of wires shall be terminated with sufficient loose length in a wood/pvc round block complete for each outlet (Electrical SOR 2.3.2)	point	31	215.0	6665
	Medium point above 3 mtr upto 6 mtr from tapping point to outlet via switch				
13	Supplying heavy gauge pvc conduit dia 25 mm dia 2 mm thick conforming to IS 2509 suitable size bends, junction boxes, adhesive paste etc. and fixing using inverted wood plug incase of RCC ceiling and RCC wall/ stone structure or rawl plugs in case of brick wall and cement plastering the damage portion using heavy gauge saddles at an interval of 700 mm using NF screws. (Electrical SOR 1.1)	Mtr	100	70.0	7000
14	Supply and fixing of modular switch/socket/stepped electonic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293. Electrical SOR 3.7.1 6A one way switch	Each	25	63.0	1575
15	Supply and fixing of modular switch/socket/stepped electonic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293. Electrical SOR 3.7.2 16A one way switch	Each	25	114.0	2850
16	Supply and fixing of modular switch/socket/stepped electonic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293. Electrical SOR 3.7.2 6/16A universal socket	Each	25	147.0	3675
17	Supply and fixing of modular switch/socket/stepped electonic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293. Electrical SOR 3.7.4 Stepped fan regulator	Each	25	286.0	7150
18	Supplying 2 to 4 way plastic gang box and fixing using necessary wooden/raw/phill plugs and screw. Electrical SOR 3.13.2	No.	30	29.0	870
19	Supplying capacitor type ceiling fan complete with down rod blades, shackles, canopies etc. operation on 230V, 50 cycles. Single phase AC supply confirming to IS -374-1979 and double ball bearing system. Electrial SOR 9.3.1.1	No	25	2,376.0	59400
20	1200 mm regular model Supplying exhaust fan of 1440 RPM of 300 mm size with bracket blades complete for light duty suitable to operate on 230V, 50 HZ AC supply	No	2	1,700.0	3400
21	Dismantling of pole/ street light standard/ strut embedded in cement concrete foundation etc. as required	Nos.	2	938.0	1876
22	Erection of metallic pole of following length in cement concrete 1 :3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) foundation including excavation and refilling etc. as required. Above 6.5 meter and upto 8.0 meter Existing poles (Delhi analysis of rates E & M 2016, item 11.3.2, pg 372))	No	2	2,945.0	5890
23	Lighting Pole, 7 m Fabrication, suppl and erection of 7 meters long hot dip Galvanised Octagonal pole with BSE 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with oor opening arrangement, icluding suitable boards, bakelite sheet and MCBs as per IS specifications suitable for wind speed of 47 m/sec for 5 m pole in single section and single joint welded as per IS 9595/IS 10178 AWG having dimensions bottom 155 mm dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of long J bolts along with template and the pole shall be hot dip galvanized in single dipping with not less than 65 micron as per ASTM - A123 and 153 etc., (excluding foundation) as per drawing appended (Ref Electrical SOR SI No. 5.14.5)	No	2	12,420.0	24840

Item No.	Description	Unit	Qty.	Unit Rate	Amount
24	Lighting Pole, 4 m Fabrication, supply and erection of 4 meters long hot dip Galvanised Octagonal pole with BSE 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangement, icluding suitable boards, bakelite sheet and MCBs as per IS specifications suitable for wind speed of 47 m/sec for 5 4 pole in single section and single joint welded as per IS 9595/IS 10178 AWG having dimensions bottom 130 mm dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of long J bolts along with template and the pole shall be hot dip galvanized in single dipping with not less than 65 micron as per ASTM - A123 and 153 etc., (excluding foundation) as per drawing appended (Ref Electrical SOR SI No.5.14.2)	No	1	7,398.0	7398
25	Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for outdoor luminaries and mounted on Octagonal pole using necessary bolts,nuts, etc. complete Double Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.5)	Nos.	0	3,540.0	0
26	Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for outdoor luminaries and mounted on Octagonal pole using necessary bolts,nuts, etc. complete Single Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.2)	Nos.	5	2,400.0	12000
27	Painting of Existing street light pole after scrapping the old paint and painted with suitable colour enamel including coping/footing of the poleabove 5.5 mtr to 7.5 mtr (Ref Electrical SOR SI No.16.28.2)	Nos	2	620.0	1240
28	Supply, installation, testing and commissioning of outdoor junction box for mounting MCB/Contactors with all required accessories and componenets	Nos	2	11,782.9	23566
29	Supply and fixing of miniature circuit breaker on exisiting board using necessasary fixing material and 'C' type curve, indicator ON/OFF, energy cross-3 with short circuit breaking capacity of 10 KA complete wiring as required confirming to IEC 60898 5- 32A TPN Electrical SOR- 6.16.5)	Nos	2	1,547.0	3094
30	Supplying of 1.1 kV LT cable having aluminium conductor PVC insulated, extruded inner sheathed, galvanised, steel strips (except 2C x 10 sq. mm wire armoured) as per IS-3975:1990 and extruded PVC outer sheathed armoured cable as per IS - 1554 Part 1:1988 & conforming to GTP of GROUP B 4 Core x16 Sq.mm PVC Aluminium Conductor, (Ref Electrical SOR SI No.7.5,7.5.4)	m	300	117.0	35100
31	Supply and drawing flexible multicore cable with electrolyte grade flexible copper with low conductor conforming to Table 3 Class 5 of IS:8130-1984 and vargin PVC insulation and sheathed suitable for working voltage up to 1100 V as per IS-694:1990 and conforming to GTP of Group A. 3C x 2.5 sq. mm (Ref. Electrical SOR 2.8.8)	m	32	81.6	2611
32	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of following sizes 16 Sq.mm PVC Aluminium Conductor (Ref Electrical SOR SI No.7.21,7.21.6)	Nos	10	11.3	113
33	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of following sizes 2.5 sq. mm copper conductor (Ref Electrical SOR SI No.7.21.2)	Nos	10	3.2	32
34	Chemical Earthing for grounding,conduits,IC cut outs and otherequipmentson the mter boardby using copper /SS rod with earth enhancing backfill compound which is non corrosive ,thermally,conductive,potential,to permissible,limits,superior,fault,conductive capacity,non toxic,weather resistance and capable of achieving ohmic value less than one ohm (Ref Electrical SOR Pg.No.64,SI No.7.23.6)	Kit	2	5,500.0	11000
35	Supply and running GI conductor for grounding and (along with other wires in conduits system of wiring) using necessasary suitable size clamps, nails, guttas/spacers etc-8 SWG (Ref Electrical SOR SI No.7.22.3)	Rmt	80	19.5	1560

Item No.	Description	Unit	Qty.	Unit Rate	Amount
36	Fabrication, Supplying, Erection, Testing and Commissioning of Mtrs long polygon high mast with Single 1 Multiple telescopic sections having, (minimum overlap distance of 1.5 times of top section) thickness as per BSEN 10025 grade S 355 JO IASTM A572-50 steel sheet plate for shaft suitable to withstand a wind velocity of 47 m/sec as per IS 875 part 3(as per GA awing). Base plate as per IS 20621 ASTM A572-50. The mast shall be Galvanized in single Hotdip as per BSEN ISO 1461/ASTM A123 with an average 70 microns as per IS 2629, and welded as per BS 5135 Single L-Seam joint. The mast shall have 2way head frame with die cast LM-6 pulleys, stainless steel axle, Phosphorus Bronze bearing bush press-fitted with separate guides for 2 runs of 5mm dia, stainless steel wire rope of AISI 304grade 7/19-core, (Factor of Safety as per TR no-7). 2.5sqmm EPR insulated PCP sheathed trailing power cable housed inside the bottom shaft of mast with door having locking arrangement. The mast shall have power tool operating on 2301 415V, 50Hz, 1/3 phases reversible geared motor. The mast shall have lantern of 2 segments, suitable dia with max load carrying capacity as per IS 1239. The mast shall be erected on existing RCC footing. The mast shall be supplied with 3mm thick template, lightning arrester of 1.2m length galvanized pipe with top arrow fitted on top of the head frame cover and GLS type aviation twin lamps fitting with wiring complete. (excluding foundation) as per technical data. Electrical SOR 5.17.1	Each	2	120,000.0	240000
37	Supply, installation, testing and commissioning of 120W LED flood light with lamp, driver and all other require accessories to finish the job (Rates as per DMA proceedings and letter no 26031 DMA 86 DEVT 2018-19 dated 29-11-2018)	No	8	8400	67200
	Total	!			727483

BILL OF QUANTITIES-Govt. Primary school. Bastigarden

Item No.	Description	Unit	Qty.	Unit Rate	Amount
1	Removal of existing FTL, 1 x 36 W, surface mounted supply, installation, testing and commissioning of new LED 18 W light fixture and commissioning with 50000 burning hours or 5 years of warranty	Nos.	9	1,146	10318
2	40 W Incandescent lamp Removal of existing 40W incadescent light fixture. Supply, intallation, testing and commissioning of new LED 6 W light fixture with 50000 burning hours or 5 years of warranty	Nos.	4	600	2401
3	Supply and fixing of PVC casing and caping on the wall or ceiling using necessasary material like bends, screws at interval of 300 mm etc as required.(Electrical SOR 1.8.2) 25 mm	Mtr	130	26	3380
4	Wiring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concelead system of wiring with specified IS-694:1990 & confirming to GTP group A (Electrical SOR 2.5.1) 1 sq. mm	Mtr	50	13	650
5	Wiring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concelead system of wiring with specified IS-694:1990 & confirming to GTP group A (Electrical SOR 2.5.2)	Mtr	50	18.6	930
6	1.5 sq. mm Wiring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concelead system of wiring with specified IS-694:1990 & confirming to GTP group A ((Electrical SOR 2.5.3) 2.5 sq. mm		100	29.2	2920
7	Wiring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concelead system of wiring with specified IS-694:1990 & confirming to GTP group A ((Electrical SOR 2.5.4)		675	42.1	28418
8	Supply and wiring adopting loop system in existing PVC conduit/casing capping using 1100 grade, copper conductor, flexible FRLS PVC insulated 2 x 1.5 sq. mm cable conforming to GTP with 6A flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of wires shall be terminated with sufficient loose length in a wood/pvc round block complete for each outlet (Electrical SOR 2.1.2) Medium point above 3 mtr upto 6 mtr from tapping point to outlet via switch	point	10	245.0	2450
9	Supply and wiring adopting loop system in existing PVC conduit/casing capping using 1100 grade, copper conductor, flexible FRLS PVC insulated 2 x 1.5 sq. mm cable conforming to GTP with 6A flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of wires shall be terminated with sufficient loose length in a wood/pvc round block complete for each outlet (Electrical SOR 2.1.3) Medium point above 6 mtr upto 10 mtr from tapping point to outlet via switch	point	3	363.0	1089
10	Supply and wiring adopting loop system in existing PVC conduit/casing capping using 1100 grade, copper conductor, flexible FRLS PVC insulated 2 x 1.5 sq. mm cable conforming to GTP without switch, the other end of wires shall be terminated with sufficient loose length in a wood/pvc round block complete for each outlet (Electrical SOR 2.3.2) Medium point above 3 mtr upto 6 mtr from tapping point to outlet via switch	point	4	215.0	860

Item No.	Description	Unit	Qty.	Unit Rate	Amount
11	Supplying heavy gauge pvc conduit dia 25 mm dia 2 mm thick conforming to IS 509 suitable size bends, junction boxes, adhesive paste etc. and fixing using overted wood plug incase of RCC ceiling and RCC wall/ stone structure or awl plugs in case of brick wall and cement plastering the damage portion sing heavy gauge saddles at an interval of 700 mm using NF screws. Electrical SOR 1.1)		50	70.0	3500
12	Supply and fixing of modular switch/socket/stepped electonic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293. Electrical SOR 3.7.1 6A one way switch		15	63.0	945
13	Supply and fixing of modular switch/socket/stepped electonic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293. Electrical SOR 3.7.2 16A one way switch	Each	15	114.0	1710
14	Supply and fixing of modular switch/socket/stepped electonic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293. Electrical SOR 3.7.2 6/16A universal socket	Each	15	147.0	2205
15	Supply and fixing of modular switch/socket/stepped electonic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293. Electrical SOR 3.7.4 Stepped fan regulator	Each	14	286.0	4004
16	Supplying 2 to 4 way plastic gang box and fixing using necessary wooden/raw/phill plugs and screw. Electrical SOR 3.13.2	No.	14	29.0	406
17	Supplying capacitor type ceiling fan complete with down rod blades, shackles, canopies etc. operation on 230V, 50 cycles. Single phase AC supply confirming to IS -374-1979 and double ball bearing system. Electrial SOR 9.3.1.1		14	2,376.0	33264
	1200 mm regular model				
18	Supplying exhaust fan of 1440 RPM of 300 mm size with bracket blades complete for light duty suitable to operate on 230V, 50 HZ AC supply	No	3	1,700.0	5100
19	Dismantling of pole/ street light standard/ strut embedded in cement concrete foundation etc. as required	Nos.	4	938.0	3752
20	Erection of metallic pole of following length in cement concrete 1 :3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) foundation including excavation and refilling etc. as required. Above 6.5 meter and upto 8.0 meter Existing poles (Delhi analysis of rates E & M 2016, item 11.3.2, pg 372))	No	4	2,945.0	11780
21	Lighting Pole, 7 m Fabrication, suppl and erection of 7 meters long hot dip Galvanised Octagonal pole with BSE 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with oor opening arrangement, icluding suitable boards, bakelite sheet and MCBs as per IS specifications suitable for wind speed of 47 m/sec for 5 m pole in single section and single joint welded as per IS 9595/IS 10178 AWG having dimensions bottom 155 mm dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of long J bolts along with template and the pole shall be hot dip galvanized in single dipping with not less than 65 micron as per ASTM - A123 and 153 etc., (excluding foundation) as per drawing appended (Ref Electrical SOR SI No. 5.14.5)	No	1	12,420.0	12420
22	Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for outdoor luminaries and mounted on Octagonal pole using necessary bolts,nuts, etc. complete Single Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.2)	Nos.	5	2,400.0	12000

Item No.	Description	Unit	Qty.	Unit Rate	Amount
23	Painting of Existing street light pole after scrapping the old paint and painted with suitable colour enamel including coping/footing of the poleabove 5.5 mtr to 7.5 mtr (Ref Electrical SOR SI No.16.28.2)	Nos	4	620.0	2480
24	Supply, installation, testing and commissioning of outdoor junction box for mounting MCB/Contactors with all required accessories and componenets	Nos	1	11,782.9	11783
25	Supply and fixing of miniature circuit breaker on exisiting board using necessasary fixing material and 'C' type curve, indicator ON/OFF, energy cross-3 with short circuit breaking capacity of 10 KA complete wiring as required confirming to IEC 60898 5-32A TPN Electrical SOR- 6.16.5)	Nos	1	1,547.0	1547
26	Supplying of 1.1 kV LT cable having aluminium conductor PVC insulated, extruded inner sheathed, galvanised, steel strips (except 2C x 10 sq. mm wire armoured) as per IS-3975:1990 and extruded PVC outer sheathed armoured cable as per IS - 1554 Part 1:1988 & conforming to GTP of GROUP B 4 Core x16 Sq.mm PVC Aluminium Conductor, (Ref Electrical SOR SI No.7.5,7.5.4)		180	117.0	21060
27	Supply and drawing flexible multicore cable with electrolyte grade flexible copper with low conductor conforming to Table 3 Class 5 of IS:8130-1984 and vargin PVC insulation and sheathed suitable for working voltage up to 1100 V as per IS-694:1990 and conforming to GTP of Group A. 3C x 2.5 sq. mm (Ref. Electrical SOR 2.8.8)	m	35	81.6	2856
28	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of following sizes 16 Sq.mm PVC Aluminium Conductor (Ref Electrical SOR SI No.7.21,7.21.6)	Nos	10	11.3	113
29	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of following sizes 2.5 sq. mm copper conductor (Ref Electrical SOR SI No.7.21.2)	Nos	10	3.2	32
30	Chemical Earthing for grounding,conduits,IC cut outs and otherequipmentson the mter boardby using copper /SS rod with earth enhancing backfill compound which is non corrosive ,thermally,conductive,potential,to permissible,limits,superior,fault,conductive capacity,non toxic,weather resistance and capable of achieving ohmic value less than one ohm (Ref Electrical SOR Pg.No.64,SI No.7.23.6)	Kit	2	5,500.0	11000
31	Supply and running GI conductor for grounding and (along with other wires in conduits system of wiring) using necessasary suitable size clamps, nails, guttas/spacers etc-8 SWG (Ref Electrical SOR SI No.7.22.3)	Rmt	80	19.5	1560

Item No.	Description		Qty.	Unit Rate	Amount	
32	Fabrication, Supplying, Erection, Testing and Commissioning of Mtrs long polygon high mast with Single 1 Multiple telescopic sections having, (minimum overlap distance of 1.5 times of top section) thickness as per BSEN 10025 grade S 355 JO IASTM A572-50 steel sheet plate for shaft suitable to withstand a wind velocity of 47 m/sec as per IS 875 part 3(as per GA awing). Base plate as per IS 20621 ASTM A572-50. The mast shall be Galvanized in single Hotdip as per BSEN ISO 1461/ASTM A123 with an average 70 microns as per IS 2629, and welded as per BS 5135 Single L-Seam joint. The mast shall have 2way head frame with die cast LM-6 pulleys, stainless steel axle, Phosphorus Bronze bearing bush press-fitted with separate guides for 2 runs of 5mm dia, stainless steel wire rope of AISI 304grade 7/19-core, (Factor of Safety as per TR no-7). 2.5sqmm EPR insulated PCP sheathed trailing power cable housed inside the bottom shaft of mast with door having locking arrangement. The mast shall have power tool operating on 2301 415V, 50Hz, 1/3 phases reversible geared motor. The mast shall have lantern of 2 segments, suitable dia with max load carrying capacity as per IS 1239. The mast shall be erected on existing RCC footing. The mast shall be supplied with 3mm thick template, lightning arrester of 1.2m length galvanized pipe with top arrow fitted on top of the head frame cover and GLS type aviation twin lamps fitting with wiring complete. (excluding foundation) as per technical data. Electrical SOR 5.17.1	Each	1	120,000.0	120000	
33	(Rates as per DMA proceedings and letter no 26031 DMA 86 DEVT 2018-19 dated 29-11-2018)	No	4	8400	33600	
	Total				350533	

BILL OF QUANTITIES-Govt. Women's Pre-university College, Rathabeedi, Car Street

	BILL OF QUANTITIES-GOVI. Wollielt's Fle-university Co	···• 9•,	T Carrier	, , , , , , , , , , , , , , , , , , , 	
Item No.	Description	Unit	Qty.	Unit Rate	Amount
1	Removal of existing FTL, 1 x 36 W, surface mounted supply, installation, testing and commissioning of new LED 18 W light fixture and commissioning with 50000 burning hours or 5 years of warranty	Nos.	42	1,146	48149
2	Removal of existing Halogen, 500 W. Supply, installation, testing and commissioning of LED 150 W fixture with 50000 burning hours or 5 years of warranty	Nos.	2	11,351	22702
3	Supply and fixing of PVC casing and caping on the wall or ceiling using necessasary material like bends, screws at interval of 300 mm etc as required.(Electrical SOR 1.8.2) 25 mm		630	26	16380
4	Wiring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concelead system of wiring with specified IS-694:1990 & confirming to GTP group A (Electrical SOR 2.5.1) 1 sq. mm	Mtr	50	13	650
5	Wiring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concelead system of wiring with specified IS-694:1990 & confirming to GTP group A (Electrical SOR 2.5.2) 1.5 sq. mm	Mtr	50	18.6	930
6	Wiring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concelead system of wiring with specified IS-694:1990 & confirming to GTP group A ((Electrical SOR 2.5.3)		100	29.2	2920
7	2.5 sq. mm Wiring for lighting/power circuit using one of the FRLS PVC insultated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concelead system of wiring with specified IS-694:1990 & confirming to GTP group A ((Electrical SOR 2.5.4)		450	42.1	18945
8	4 sq. mm Supply and wiring adopting loop system in existing PVC conduit/casing capping using 1100 grade, copper conductor, flexible FRLS PVC insulated 2 x 1.5 sq. mm cable conforming to GTP with 6A flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of wires shall be terminated with sufficient loose length in a wood/pvc round block complete for each outlet (Electrical SOR 2.1.2)	point	14	245.0	3430
9	Medium point above 3 mtr upto 6 mtr from tapping point to outlet via switch Supply and wiring adopting loop system in existing PVC conduit/casing capping using 1100 grade, copper conductor, flexible FRLS PVC insulated 2 x 1.5 sq. mm cable conforming to GTP with 6A flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of wires shall be terminated with sufficient loose length in a wood/pvc round block complete for each outlet (Electrical SOR 2.1.3) Medium point above 6 mtr upto 10 mtr from tapping point to outlet via switch	point	15	363.0	5445
10	Supply and wiring adopting loop system in existing PVC conduit/casing capping using 1100 grade, copper conductor, flexible FRLS PVC insulated 2 x 1.5 sq. mm cable conforming to GTP without switch, the other end of wires shall be terminated with sufficient loose length in a wood/pvc round block complete for each outlet (Electrical SOR 2.3.2)	point	13	215.0	2795
11	Medium point above 3 mtr upto 6 mtr from tapping point to outlet via switch Supplying heavy gauge pvc conduit dia 25 mm dia 2 mm thick conforming to IS 2509 suitable size bends, junction boxes, adhesive paste etc. and fixing using inverted wood plug incase of RCC ceiling and RCC wall/ stone structure or rawl plugs in case of brick wall and cement plastering the damage portion using heavy gauge saddles at an interval of 700 mm using NF screws. (Electrical SOR 1.1)	Mtr	50	70.0	3500
12	Supply and fixing of modular switch/socket/stepped electonic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293. Electrical SOR 3.7.1 6A one way switch	Each	15	63.0	945

Item No.	Description	Unit	Qty.	Unit Rate	Amount
13	Supply and fixing of modular switch/socket/stepped electonic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293. Electrical SOR 3.7.2 16A one way switch	Each	15	114.0	1710
14	Supply and fixing of modular switch/socket/stepped electonic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293. Electrical SOR 3.7.2 6/16A universal socket	Each	15	147.0	2205
15	Supply and fixing of modular switch/socket/stepped electonic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293. Electrical SOR 3.7.4 Stepped fan regulator	Each	15	286.0	4290
16	Supplying 2 to 4 way plastic gang box and fixing using necessary wooden/raw/phill plugs and screw. Electrical SOR 3.13.2	No.	25	29.0	725
17	Supplying capacitor type ceiling fan complete with down rod blades, shackles, canopies etc. operation on 230V, 50 cycles. Single phase AC supply confirming to IS -374-1979 and double ball bearing system. Electrial SOR 9.3.1.1		15	2,376.0	35640
18	1200 mm regular model Supplying exhaust fan of 1440 RPM of 300 mm size with bracket blades complete for light duty suitable to operate on 230V, 50 HZ AC supply	No	2	1,700.0	3400
19	Dismantling of pole/ street light standard/ strut embedded in cement concrete foundation etc. as required	Nos.	1	938.0	938
20	Erection of metallic pole of following length in cement concrete 1:3:6 (1 cement: 3 coarse sand: 6 graded stone aggregate 40 mm nominal size) foundation including excavation and refilling etc. as required. Above 6.5 meter and upto 8.0 meter Existing poles (Delhi analysis of rates E & M 2016, item 11.3.2, pg 372))	No	1	2,945.0	2945
21	Lighting Pole, 7 m Fabrication, suppl and erection of 7 meters long hot dip Galvanised Octagonal pole with BSE 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with oor opening arrangement, icluding suitable boards, bakelite sheet and MCBs as per IS specifications suitable for wind speed of 47 m/sec for 5 m pole in single section and single joint welded as per IS 9595/IS 10178 AWG having dimensions bottom 155 mm dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of long J bolts along with template and the pole shall be hot dip galvanized in single dipping with not less than 65 micron as per ASTM - A123 and 153 etc., (excluding foundation) as per drawing appended (Ref Electrical SOR SI No. 5.14.5)		5	12,420.0	62100
22	Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for outdoor luminaries and mounted on Octagonal pole using necessary bolts,nuts, etc. complete Single Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.2)	Nos.	6	2,400.0	14400
23	Painting of Existing street light pole after scrapping the old paint and painted with suitable colour enamel including coping/footing of the poleabove 5.5 mtr to 7.5 mtr (Ref Electrical SOR SI No.16.28.2)	Nos	1	620.0	620
24	Supply, installation, testing and commissioning of outdoor junction box for mounting MCB/Contactors with all required accessories and components	Nos	2	11,782.9	23566
25	Supply and fixing of miniature circuit breaker on exisiting board using necessasary fixing material and 'C' type curve, indicator ON/OFF, energy cross-3 with short circuit breaking capacity of 10 KA complete wiring as required confirming to IEC 60898 5-32A TPN Electrical SOR- 6.16.5)	Nos	2	1,547.0	3094
26	Supplying of 1.1 kV LT cable having aluminium conductor PVC insulated, extruded inner sheathed, galvanised, steel strips (except 2C x 10 sq. mm wire armoured) as per IS-3975:1990 and extruded PVC outer sheathed armoured cable as per IS - 1554 Part 1:1988 & conforming to GTP of GROUP B 4 Core x16 Sq.mm PVC Aluminium Conductor, (Ref Electrical SOR SI No.7.5,7.5.4)	m	230	117.0	26910
27	Supply and drawing flexible multicore cable with electrolyte grade flexible copper with low conductor conforming to Table 3 Class 5 of IS:8130-1984 and vargin PVC insulation and sheathed suitable for working voltage up to 1100 V as per IS-694:1990 and conforming to GTP of Group A. 3C x 2.5 sq. mm (Ref. Electrical SOR 2.8.8)	m	42	81.6	3427

Item No.	Description	Unit	Qty.	Unit Rate	Amount
28	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of following sizes 16 Sq.mm PVC Aluminium Conductor (Ref Electrical SOR SI No.7.21,7.21.6)		12	11.3	136
29	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of following sizes 2.5 sq. mm copper conductor (Ref Electrical SOR SI No.7.21.2)	Nos	12	3.2	39
30	Chemical Earthing for grounding,conduits,IC cut outs and otherequipmentson the mter boardby using copper /SS rod with earth enhancing backfill compound which is non corrosive ,thermally,conductive,potential,to permissible,limits,superior,fault,conductive capacity,non toxic,weather resistance and capable of achieving ohmic value less than one ohm (Ref Electrical SOR Pg.No.64,SI No.7.23.6)	Kit	2	5,500.0	11000
31	Supply and running GI conductor for grounding and (along with other wires in conduits system of wiring) using necessasary suitable size clamps, nails, guttas/spacers etc-8 SWG (Ref Electrical SOR SI No.7.22.3)	Rmt	80	19.5	1560
32	Fabrication, Supplying, Erection, Testing and Commissioning of Mtrs long polygon high mast with Single 1 Multiple telescopic sections having, (minimum overlap distance of 1.5 times of top section) thickness as per BSEN 10025 grade S 355 JO IASTM A572-50 steel sheet plate for shaft suitable to withstand a wind velocity of 47 m/sec as per IS 875 part 3(as per GA awing). Base plate as per IS 20621 ASTM A572-50. The mast shall be Galvanized in single Hotdip as per BSEN ISO 1461/ASTM A123 with an average 70 microns as per IS 2629, and welded as per BS 5135 Single L-Seam joint. The mast shall have 2way head frame with die cast LM-6 pulleys, stainless steel axle, Phosphorus Bronze bearing bush press-fitted with separate guides for 2 runs of 5mm dia, stainless steel wire rope of AISI 304grade 7/19-core, (Factor of Safety as per TR no-7). 2.5sqmm EPR insulated PCP sheathed trailing power cable housed inside the bottom shaft of mast with door having locking arrangement. The mast shall have power tool operating on 2301 415V, 50Hz, 1/3 phases reversible geared motor. The mast shall have lantern of 2 segments, suitable dia with max load carrying capacity as per IS 1239. The mast shall be erected on existing RCC footing. The mast shall be supplied with 3mm thick template, lightning arrester of 1.2m length galvanized pipe with top arrow fitted on top of the head frame cover and GLS type aviation twin lamps fitting with wiring complete. (excluding foundation) as per technical data. Electrical SOR 5.17.1	Each	1	120,000.0	120000
33	Supply, installation, testing and commissioning of 120W LED flood light with lamp, driver and all other require accessories to finish the job (Rates as per DMA proceedings and letter no 26031 DMA 86 DEVT 2018-19 dated 29-11-2018)	No	4	8400	33600
	Total				479096

Document: Plumbing cost estimate for Government school

Sr. No	Description	Cost estimate in Rs.
1	Dakshina Kannada Zilla Prathamika High School, Pandeshwara, Ward- 46	184976
2	Govt. High School, Urdu, Bunder, Ward 46	268765
3	Govt. Higher Secondary School, Hoigebazar ward-57	301017
4	Lower Primary School, Hoigebazar, Ward-57	235380
5	Gov. Upper Primary School, Neereshwalya, Ward-45	119997
6	Bolar & Bolar (West) School	288470
7	Govt.primary and secondary school Balmatta, Ward-40	473446
8	Govt. Practicing School, Opp. Maidan Road near Railway Station	184976
9	Govt.Primary School, Bastigarden, Ward-41	105903
10	Govt. Women's Pre-university College, Rathabeedi, Car Street	188113
	Grand Total Cost	2351043

EXECUTIVE ENGINEER MSCL MANGALURU

GM TECHNICAL
MSCL MANGALURU

MANGAING DIRECTOR MSCL MANGALURU

BILL OF QUANTITIES-Dakshina Kannada Zilla Prathamika School, Pandeshwara, Ward-46

	BILL OF QUANTITIES-Daksnina Kannada Zilia Pratnamika School, Pandeshwara						
Item No.	Description	Unit	Qty.	Basic Rate	Area weightage@ 10%	Final Rate	Amount
1	KSRB 11-1: Providing and fixing white vitreous china clay, water closet Indian type (Squatting pan) of size 580mm with footrests, 100mm s or P trap, 10 litre low level, PVC flushing cistern (all are approved make) with fittings, C. I I M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 KPWD 18-19,SI No.12.1 Pg No 79	Pan	6	3510	351.00	3,861	23,166
2	KSRB 11-5: Providing and fixing white vitreous china clay, water closet European type (Pedestal type, P-trap) with black solid plastic seat and lid, C. P brass hinges, rubber buffers. 10 litre low level, PVC flushing cistern (all are approved make) with fittings, C. I IM.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 KPWD 18-19,SI No.12.5,Pg No.79	Each	1	4956	495.60	5,452	5,452
3	KSRB 11-1.4: Providing and fixing white vitreous china clay, flat back, lipped front urinal basin of 430x260x350mm in the range of four with 10 litres PVC automatic flushing cistern, C.I I M.S brackets, standard flush pipe and C.P. brass spreaders with brass unions and G. I. clamps complete painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 KPWD 18-19,SI No.12.10,Pg No.80	Unit	5	7091	709.10	7,800	39,001
4	KSRB 11-11 Providing and fixing white vitreous china clay, flat back wash basin with a single 15mm C.P brass pillar tap with C.1 I M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 KSRB 11-11.4:do of size 550 x 400mm Specification No. KBS 11 KPWD 18-19,SI No.12.26,Pg No.83	Unit	2	3021	302.10	3,323	6,646
5	KSRB 11-15.3 • Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications. KPWD 18-19,SI No.12.41,Pg No.84	Unit	2	1136	113.60	1,250	2,499
6	KSRB 11-18-2.0 • Providing and fixing sand cast iron soil waste with access door, insertion of rubber washers 3mm thick bolts and nut, with spun yarn soaked in cement slurry and cement mortar 12 including cost of materials, labour, testing complete as per specifications. KSRB 11-18-2.1 • do with 100 mm dia bends KPWD 18-19,SI No.12.50,Pg No.85	Each	12	507	50.70	558	6,692
7	KSRB 11-18-2.0 • Providing and fixing sand cast iron soil waste with access door, insertion of rubber washers 3mm thick bolts and nut, with spun yarn soaked in cement slurry and cement mortar 12 including cost of materials, labour, testing complete as per specifications. KSRB 11-18-2.1 • do - with 75 mm dia bends KPWD 18-19,SI No.12.51,Pg No.85	Each	2	435	43.50	479	957
8	KSRB 11-18-11: Providing and fixing sand cast iron trap of 100mm dia, of self cleaning design with screwed down or hinged grating with or without vent arm including cutting and making good the walls and floors, cost of materials, labour, testing, complete as per specifications Specification No. KBS 11.1.10 KSRB 11-18-17.1 :do- with 100 mm dia KPWD 18-19,SI No.12.89,Pg No.88	Each	6	830	83.00	913	5,478
9	KSRB 11-18-11: Providing and fixing sand cast iron trap of 100mm dia, of self cleaning design with screwed down or hinged grating with or without vent arm including cutting and making good the walls and floors, cost of materials, labour, testing, complete as per specifications Specification No. KBS 11.1.10 KSRB 11-18-17.1 :do- with 75 mm dia KPWD 18-19,SI No.12.90,Pg No.88	Each	1	756	75.60	832	832
10	KSRB 11-18-4: Providing and fixing sand cast iron soil waste double equal junction of required degree with access door insertion of rubber washers 3mm thick bolts and nuts, including cost of materials, labour, testing complete as per specifications. KBS 11-1.10 KSRB 11-18-4.1: dowith access door 100 x 100 x 100 x 100 mm KPWD 18-19,SI No.12.56,Pg No.86	Each	6	1078	107.80	1,186	7,115
11	KSRB 11-18-4: Providing and fixing sand cast iron soil waste double equal junction of required degree with access door insertion of rubber washers 3mm thick bolts and nuts, including cost of materials, labour, testing complete as per specifications. KBS 11-1.10 KSRB 11-18-4.1: dowith access door 75 x 75 x 75 x 75 mm KPWD 18-19,SI No.12.57,Pg No.86	Each	1	798	79.80	878	878

SSRB 1-18-19 - Providing and Earling MS stays and clamps for sand cast iron pages of 1000mm dain including, libidous, completes to per pages of 1000mm dain including cost of materials, libidous, completes to per pages of 1000mm dain including and Earling MS stays and clamps for sand cast iron pages of 1000mm dain including and Earling MS stays and clamps for sand cast iron pages of 1000mm dain including and Earling MS stays and clamps for sand cast iron pages of 1000mm dain including and Earling MS stays and clamps for sand cast iron pages of 1000mm dain including states, included and including and Earling MS stays and clamps for sand cast iron pages of 1000mm dain including and Earling MS stays and clamps for sand cast iron pages of 1000mm dain including cast iron pages of 1000mm dain including and Earling MS stays and clamps for sand cast iron pages of 1000mm dain including and Earling MS stays and Cast iron pages of 1000mm dain including and Earling MS stays and Cast iron pages of 1000mm dain including and Earling MS stays and Cast iron pages of 1000mm dain including and Earling MS stays and Cast iron pages of 1000mm dain including and Earling MS stays and Cast iron pages of 1000mm dain including and Earling MS stays and Cast iron pages of 1000mm dain including and Earling MS stays and Earling Cast iron pages of 1000mm dain including and Earling MS stays and Earling Cast iron pages iron pages of 1000mm dain including and Earling Earling MS stays and Earling Cast iron pages of 1000mm dain including and Earling MS stays and Earling MS	Item No.	Description	Unit	Qty.	Basic Rate	Area weightage@ 10%	Final Rate	Amount
In pipes of ICOmm dis inclusing cost of mericials, behave, complete as per specializations. In 140 - with 7 mm dia RNPW 18-19.58 No.12.10.00 pg No.39 Providing and trung Citalianian trace of approved make conforming to ISI specifications and construction of Closens in M-15 as per directions (Rale is notable of Cost of Interferial and Mustes and Conversage) of Interferial to IS and the Interferial Conformation of Closens in M-15 as per directions (Rale is notable of Cost of Interferial and Mustes and Conversage) of Interferial to IS and the Interferial Conformation of Closens in M-15 as per directions (Rale is notable of Cost of Interferial and Mustes and Conversage) of Interferial to IS and the Interferial Conformation of Interferial to IS and the Interferial Conformation of Interferial to IS and the Interferial Conformation of Interferial to IS and the Interferial Conformation of Interferial Conformation (Interferial Conformation Interferial Conformation	12	iron pipes of 100mm dia including cost of materials, labour, complete as per specifications. KSRB 11-18-19.1 •do with 100 mm dia	Nos	15	328	32.80	361	5,412
specifications and construction of Cistern in N-IS as per directions (Rate is inclusive color of materials and filterines and convergence of materials to the Color of materials and filterines and convergence of materials to the Color of th	13	iron pipes of 100mm dia including cost of materials, labour, complete as per specifications. KSRB 11-18-19.1 •do with 75 mm dia KPWD 18-19,SI No.12.100,Pg No.89	Nos	15	308	30.80	339	5,082
Providing and fixing to wall, ceiling and floor unpleaticated PVC E.O. logs/septime working pressure with pope fittings, wall clips etc. and making good in a control of the state of the s	14	specifications and construction of Cistern in M-15 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot). do- 10cms x 7.5cms	Each	5	250	25.00	275	1,375
dually nominal bore including cost of all materials, labour and HOM with all leads complete as per specifications. Specification No. KBS 13.2 2/13.3 KSR1813-6.1-do-15 min dia cominal bore KYPUD 18-19.SI No. 13.23-Pg No.53 KSR1813-6.1-do-15 min dia cominal bore notucing cost of all pressure with plastic float of approved quality nominal bore notucing cost of all Specification No. KBS KSR813-6.4-do-25 mm dia nominal KPV 18-19.SI No. 13.22-Pg No.94 Providing and fixing Chorinated Poly Vinyl. Chloride (CPVC) pipes conforming to 15 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clarge all CPVC plain and prass threaded fittings including fixing the pipe with clarge all CPVC plain and provide them all cold water supply including all CPVC plain and prass threaded fittings including fixing the pipe with clarge at 10 for repart price thread and testing of joints complete, (internal work expected on wall) 18 non-step CPVC solvent cement and testing of joints complete, (internal work expected on wall) 19 one step CPVC solvent cement and testing of joints complete, (internal work expected on wall) 20 non-step CPVC solvent cement and testing of joints complete, (internal work expected on wall) 21 providing and fixing Chorinated Poly Vinyl. Chloride (CPVC) pipes conforming to 15 15778, having thermal stability for hot and cold water supply including all CPVC plain and prass threaded fittings including fixing the pipe with clarge at 10 min reparts). This includes Jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete, (internal work expected on wall) 22 notice of the pipe of the pipe solvent cement and testing of joints complete, (internal work expected on wall) 23 notice of the pipe solvent cement and testing of joints complete, (internal work expected on wall) 24 providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to 15 15778, having thermal stability	15	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials, labour charges, HOM and testing complete as per specifications. do- 110 mm dia	m	35	434	43.40	477	16,709
pressure with plastic fical of approved quality nominal bore including cost of all materials, labour and HDM with all leads complete as per specifications. Specification No. KBS KSR813-64-3 do 2 mm dia nominal KSRS KSR813-64-3 do 2 mm dia nominal KSRS KSR813-64-3 do 2 mm dia nominal KSRS KSR813-64-3 do 2 mm dia nominal KSRS KSR813-64-3 do 2 mm dia nominal KSRS KSR813-64-3 do 2 mm dia nominal KSRS KSR813-64-3 do 2 mm dia nominal KSRS KSR813-64-3 do 2 mm dia nominal KSRS KSR813-64-3 do 2 mm dia nominal CSRS KSR813-64-3 do 2 m	16	quality nominal bore including cost of all materials, labour and HOM with all leads complete as per specifications. Specification No.KBS 13.2.2/13.3 KSRB13-6.1-1do-15 mm dia nominal bore	Each	10	190	19.0	209.0	2,090
conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mt spacing. This includes JOlinting of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) 18	17	pressure with plastic float of approved quality nominal bore including cost of all materials, labour and HOM with all leads complete as per specifications. Specification No. KBS KSRB13-6.4-3- do- 25 mm dia nominal	Each	2	513	51.3	564.3	1,129
conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC polarian and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes Jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) 20mm nominal OD Pipe KPWD 18-19,SI No.13.85.2,Pg No.98 Providing and fixing Chorinated Poly. Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes Jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) 25mm nominal OD Pipe KPVD 18-19,SI No.13.85.3,Pg No.98 Providing and fixing Chorinated Poly. Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC pilan and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes joining of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of Joints complete. (Concealed work including cutting chases and making good walls) 15mm nominal OD Pipe KPVD 18-19,SI No.13.86.1,Pg No.99 Providing and fixing Chorinated Poly. Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC pilan and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes joining of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including and fixing Chorinated Poly. Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC pilan and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes	18	conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes JOinting of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) 15mm nominal OD Pipe	m	96	130	13.0	143.0	13,728
conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes JOinting of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) 25mm nominal OD Pipe KPWD 18-19,SI No.13.85.3,Pg No.98 Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including and part of pipes and fittings with one step Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes jointing of pipes and fittings with one step Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes jointing of pipes and fittings with one step Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including this pipe with clamp at 1 00 mtr spacing. This includes jointing of pipes and fittings with one step Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including and cold water supply including and cold water supply including and cold water supply including and cold water supply i	19	conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes JOinting of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) 20mm nominal OD Pipe	m	48	157	15.7	172.7	8,290
to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of JOints complete. (Concealed work including cutting chases and making good walls) 15mm nominal OD Pipe KPWD 18-19,SI No.13.86.1,Pg No.99 Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of JOints complete. (Concealed work including cutting chases and making good walls) 20mm nominal OD Pipe KPWD 18-19,SI No.13.86.2,Pg No.99	20	conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes JOinting of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) 25mm nominal OD Pipe	m	24	196	19.6	215.6	5,174
to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of JOints complete. (Concealed work including cutting chases and making good walls) 20mm nominal OD Pipe KPWD 18-19,SI No.13.86.2,Pg No.99	21	to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 100 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of JOints complete. (Concealed work including cutting chases and making good walls) 15mm nominal OD Pipe KPWD 18-19,SI No.13.86.1,Pg No.99	m	77	206	20.6	226.6	17,448
Total 184.976	22	to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of JOints complete. (Concealed work including cutting chases and making good walls) 20mm nominal OD Pipe	m	38	235	23.5	258.5	9,823
		Total						184,976

BILL OF QUANTITIES-Urdu school bunder road

Item No.	Description	Unit	Qty.	Basic Rate	Area weightage @ 10%	Final Rate	Amount
	KSRB 11-1: Providing and fixing white vitreous china clay, water closet Indian type (Squatting pan) of size 580mm with footrests, 100mm s or P trap, 10 litre low level, PVC flushing cistern (all are approved make) with fittings, C. I I M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 KPWD 18-19,SI No.12.1 Pg No 79	Pan	9	3510	351.00	3,861	34,749
	KSRB 11-5: Providing and fixing white vitreous china clay, water closet European type (Pedestal type, P-trap) with black solid plastic seat and lid, C. P brass hinges, rubber buffers. 10 litre low level, PVC flushing cistern (all are approved make) with fittings, C. I M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and rnaking good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 KPWD 18-19,SI No.12.5,Pg No.79	Each	1	4956	495.60	5,452	5,452
3	KSRB 11-1.4: Providing and fixing white vitreous china clay, flat back, lipped front urinal basin of 430x260x350mm in the range of four with 10 litres PVC automatic flushing cistern, C.I I M.S brackets, standard flush pipe and C.P. brass spreaders with brass unions and G. I. clamps complete painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 KPWD 18-19,SI No.12.10,Pg No.80	Unit	7	7091	709.10	7,800	54,601
4	KSRB 11-11 Providing and fixing white vitreous china clay, flat back wash basin with a single 15mm C.P brass pillar tap with C. I I M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 KSRB 11-11.4:do of size 550 x 400mm Specification No. KBS 11 KPWD 18-19,SI No.12.26,Pg No.83	Unit	3	3021	302.10	3,323	9,969
J	KSRB 11-15.3 • Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications. KPWD 18-19,SI No.12.41,Pg No.84	Unit	3	1136	113.60	1,250	3,749
6	KSRB 11-18-2.0 • Providing and fixing sand cast iron soil waste with access door, insertion of rubber washers 3mm thick bolts and nut, with spun yarn soaked in cement slurry and cement mortar 12 including cost of materials, labour, testing complete as per specifications. KSRB 11-18-2.1 • do - with 100 mm dia bends KPWD 18-19,SI No.12.50,Pg No.85	Each	17	507	50.70	558	9,481
	KSRB 11-18-2.0 • Providing and fixing sand cast iron soil waste with access door, insertion of rubber washers 3mm thick bolts and nut, with spun yarn soaked in cement slurry and cement mortar 12 including cost of materials, labour, testing complete as per specifications. KSRB 11-18-2.1 • do with 75 mm dia bends KPWD 18-19,SI No.12.51,Pg No.85	Each	3	435	43.50	479	1,436
	KSRB 11-18-11: Providing and fixing sand cast iron trap of 100mm dia, of self cleaning design with screwed down or hinged grating with or without vent arm including cutting and making good the walls and floors, cost of materials, labour, testing, complete as per specifications Specification No. KBS 11.1.10 KSRB 11-18-17.1 :do- with 100 mm dia KPWD 18-19,SI No.12.89,Pg No.88	Each	9	830	83.00	913	8,217
	KSRB 11-18-11: Providing and fixing sand cast iron trap of 100mm dia, of self cleaning design with screwed down or hinged grating with or without vent arm including cutting and making good the walls and floors, cost of materials, labour, testing, complete as per specifications Specification No. KBS 11.1.10 KSRB 11-18-17.1 :do- with 75 mm dia KPWD 18-19,SI No.12.90,Pg No.88	Each	2	756	75.60	832	1,663
	KSRB 11-18-4: Providing and fixing sand cast iron soil waste double equal junction of required degree with access door insertion of rubber washers 3mm thick bolts and nuts, including cost of materials, labour, testing complete as per specifications. KBS 11-1.10 KSRB 11-18-4.1: dowith access door 100 x 100 x 100 x 100 mm KPWD 18-19,SI No.12.56,Pg No.86	Each	9	1078	107.80	1,186	10,672
11	KSRB 11-18-4: Providing and fixing sand cast iron soil waste double equal junction of required degree with access door insertion of rubber washers 3mm thick bolts and nuts, including cost of materials, labour, testing complete as per specifications. KBS 11-1.10 KSRB 11-18-4.1: dowith access door 75 x 75 x 75 x 75 mm KPWD 18-19,SI No.12.57,Pg No.86	Each	2	798	79.80	878	1,756

Item No.	Description	Unit	Qty.	Basic Rate	Area weightage @ 10%	Final Rate	Amount
12	KSRB 11-18-19 • Providing and fixing M.S stays and clamps for sand cast iron pipes of 100mm dia including cost of materials, labour, complete as per specifications. KSRB 11-18-19.1 •do with 100 mm dia KPWD 18-19,SI No.12.99,Pg No.89	Nos	22	328	32.80	361	7,938
13	KSRB 11-18-19 • Providing and fixing M.S stays and clamps for sand cast iron pipes of 100mm dia including cost of materials, labour, complete as per specifications. KSRB 11-18-19.1 •do with 75 mm dia KPWD 18-19,SI No.12.100,Pg No.89	Nos	22	308	30.80	339	7,454
14	Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern in M-15 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot). do-10cms x 7.5cms KPWD 18-19,SI No.12.113.1,Pg No.90	Each	7	250	25.00	275	1,925
15	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials, labour charges, HOM and testing complete as per specifications. do- 110 mm dia KPWD 18-19,SI No.12.116.1,Pg No.90	m	51	434	43.40	477	24,347
16	KSRB13-6.1 Providing and fixing in position brass bib cock of approved quality nominal bore including cost of all materials, labour and HOM with all leads complete as per specifications. Specification No.KBS 13.2.2/13.3 KSRB13-6.1-1do-15 mm dia nominal bore KPWD 18-19,SI No.13.23,Pg No.93	Each	15	190	19.0	209.0	3,135
17	KSRB13-64: Providing and fixing in position brass ball valve high or low pressure with plastic float of approved quality nominal bore including cost of all materials, labour and HOM with all leads complete as per specifications. Specification No. KBS KSRB13-6.4-3- do- 25 mm dia nominal KPWD 18-19,SI No.13.42,Pg No.94	Each	3	513	51.3	564.3	1,693
18	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes JOinting of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) 15mm nominal OD Pipe KPWD 18-19,SI No.13.85.1,Pg No.98	m	141	130	13.0	143.0	20,163
19	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes JOinting of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) 20mm nominal OD Pipe KPWD 18-19,SI No.13.85.2,Pg No.98	m	71	157	15.7	172.7	12,262
20	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes JOinting of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) 25mm nominal OD Pipe KPWD 18-19,SI No.13.85.3,Pg No.98	m	36	196	19.6	215.6	7,762
21	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of JOints complete. (Concealed work including cutting chases and making good walls) 15mm nominal OD Pipe KPWD 18-19,SI No.13.86.1,Pg No.99	m	113	206	20.6	226.6	25,606
22	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of JOints complete. (Concealed work including cutting chases and making good walls) 20mm nominal OD Pipe KPWD 18-19,SI No.13.86.2,Pg No.99	m	57	235	23.5	258.5	14,735
	Total						268,765

BILL OF QUANTITIES-GHS Hoigebazar

	BILL OF WOART		J		Area		
Item No.	Description	Unit	Qty.	Basic Rate	weightage@	Final Rate	Amount
	KSRB 11-1: Providing and fixing white vitreous china clay, water closet Indian type (Squatting pan) of size 580mm with footrests, 100mm s or P trap, 10 litre low level, PVC flushing cistern (all are approved make) with fittings, C. I I M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 KPWD 18-19,SI No.12.1 Pg No 79	Pan	10	3510	351.00	3,861	38,610
2	KSRB 11-5: Providing and fixing white vitreous china clay, water closet European type (Pedestal type, P-trap) with black solid plastic seat and lid, C. P brass hinges, rubber buffers. 10 litre low level, PVC flushing cistem (all are approved make) with fittings, C. I IM.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and rnaking good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 KPWD 18-19,SI No.12.5,Pg No.79	Each	2	4956	495.60	5,452	10,903
3	KSRB 11-1.4: Providing and fixing white vitreous china clay, flat back, lipped front urinal basin of 430x260x350mm in the range of four with 10 litres PVC automatic flushing cistern, C.I I M.S brackets, standard flush pipe and C.P. brass spreaders with brass unions and G. I. clamps complete painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 KPWD 18-19,SI No.12.10,Pg No.80	Unit	8	7091	709.10	7,800	62,401
4	KSRB 11-11 Providing and fixing white vitreous china clay, flat back wash basin with a single 15mm C.P brass pillar tap with C.1 I M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 KSRB 11-11.4:do of size 550 x 400mm Specification No. KBS 11 KPWD 18-19,SI No.12.26,Pg No.83	Unit	3	3021	302.10	3,323	9,969
5	KSRB 11-15.3 • Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications. KPWD 18-19,SI No.12.41,Pg No.84	Unit	3	1136	113.60	1,250	3,749
6	KSRB 11-18-2.0 • Providing and fixing sand cast iron soil waste with access door, insertion of rubber washers 3mm thick bolts and nut, with spun yarn soaked in cement slurry and cement mortar 12 including cost of materials, labour, testing complete as per specifications. KSRB 11-18-2.1 • do with 100 mm dia bends KPWD 18-19,SI No.12.50,Pg No.85	Each	20	507	50.70	558	11,154
7	KSRB 11-18-2.0 • Providing and fixing sand cast iron soil waste with access door, insertion of rubber washers 3mm thick bolts and nut, with spun yarn soaked in cement slurry and cement mortar 12 including cost of materials, labour, testing complete as per specifications. KSRB 11-18-2.1 • do with 75 mm dia bends KPWD 18-19,SI No.12.51,Pg No.85	Each	3	435	43.50	479	1,436
8	KSRB 11-18-11: Providing and fixing sand cast iron trap of 100mm dia, of self cleaning design with screwed down or hinged grating with or without vent arm including cutting and making good the walls and floors, cost of materials, labour, testing, complete as per specifications Specification No. KBS 11.1.10 KSRB 11-18-17.1 :do- with 100 mm dia KPWD 18-19,SI No.12.89,Pg No.88	Each	10	830	83.00	913	9,130
	KSRB 11-18-11: Providing and fixing sand cast iron trap of 100mm dia, of self cleaning design with screwed down or hinged grating with or without vent arm including cutting and making good the walls and floors, cost of materials, labour, testing, complete as per specifications Specification No. KBS 11.1.10 KSRB 11-18-17.1 :do- with 75 mm dia KPWD 18-19,SI No.12.90,Pg No.88	Each	2	756	75.60	832	1,663
10	KSRB 11-18-4: Providing and fixing sand cast iron soil waste double equal junction of required degree with access door insertion of rubber washers 3mm thick bolts and nuts, including cost of materials, labour, testing complete as per specifications. KBS 11-1.10 KSRB 11-18-4.1: dowith access door 100 x 100 x 100 x 100 mm KPWD 18-19,SI No.12.56,Pg No.86	Each	10	1078	107.80	1,186	11,858
11	KSRB 11-18-4: Providing and fixing sand cast iron soil waste double equal junction of required degree with access door insertion of rubber washers 3mm thick bolts and nuts, including cost of materials, labour, testing complete as per specifications. KBS 11-1.10 KSRB 11-18-4.1: dowith access door 75 x 75 x 75 x 75 mm KPWD 18-19,SI No.12.57,Pg No.86	Each	2	798	79.80	878	1,756

Item No.	Description	Unit	Qty.	Basic Rate	Area weightage@ 10%	Final Rate	Amount
12	KSRB 11-18-19 • Providing and fixing M.S stays and clamps for sand cast iron pipes of 100mm dia including cost of materials, labour, complete as per specifications. KSRB 11-18-19.1 •do with 100 mm dia KPWD 18-19,SI No.12.99,Pg No.89	Nos	24	328	32.80	361	8,659
13	KSRB 11-18-19 • Providing and fixing M.S stays and clamps for sand cast iron pipes of 100mm dia including cost of materials, labour, complete as per specifications. KSRB 11-18-19.1 •do with 75 mm dia KPWD 18-19,SI No.12.100,Pg No.89	Nos	24	308	30.80	339	8,131
14	Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern in M-15 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot). do-10cms x 7.5cms KPWD 18-19,SI No.12.113.1,Pg No.90	Each	8	250	25.00	275	2,200
15	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials, labour charges, HOM and testing complete as per specifications. do- 110 mm dia KPWD 18-19,SI No.12.116.1,Pg No.90	m	56	434	43.40	477	26,734
16	KSRB13-6.1 Providing and fixing in position brass bib cock of approved quality nominal bore including cost of all materials, labour and HOM with all leads complete as per specifications. Specification No.KBS 13.2.2/13.3 KSRB13-6.1-1do-15 mm dia nominal bore KPWD 18-19,SI No.13.23,Pg No.93	Each	16	190	19.0	209.0	3,344
17	KSRB13-64: Providing and fixing in position brass ball valve high or low pressure with plastic float of approved quality nominal bore including cost of all materials, labour and HOM with all leads complete as per specifications. Specification No. KBS KSRB13-6.4-3- do- 25 mm dia nominal KPWD 18-19,SI No.13.42,Pg No.94	Each	3	513	51.3	564.3	1,693
18	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes JOinting of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) 15mm nominal OD Pipe KPWD 18-19,SI No.13.85.1,Pg No.98	m	154	130	13.0	143.0	22,022
19	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes JOinting of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) 20mm nominal OD Pipe KPWD 18-19,SI No.13.85.2,Pg No.98	m	77	157	15.7	172.7	13,298
20	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes JOinting of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) 25mm nominal OD Pipe KPWD 18-19,SI No.13.85.3,Pg No.98	m	39	196	19.6	215.6	8,408
21	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of JOints complete. (Concealed work including cutting chases and making good walls) 15mm nominal OD Pipe KPWD 18-19,SI No.13.86.1,Pg No.99	m	123	206	20.6	226.6	27,872
22	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of JOints complete. (Concealed work including cutting chases and making good walls) 20mm nominal OD Pipe KPWD 18-19,SI No.13.86.2,Pg No.99	m	62	235	23.5	258.5	16,027
	Total						301,017

BILL OF QUANTITIES-Primary School, Hoigebazar, Ward-57

	DILL OF QUARTITIES-FIT	, , , , , , , , , , , , , , , , , , ,					
Item No.	Description	Unit	Qty.	Basic Rate	Area weightage@ 10%	Final Rate	Amount
1	KSRB 11-1: Providing and fixing white vitreous china clay, water closet Indian type (Squatting pan) of size 580mm with footrests, 100mm s or P trap, 10 litre low level, PVC flushing cistern (all are approved make) with fittings, C. I I M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 KPWD 18-19,SI No.12.1 Pg No 79	Pan	8	3510	351.00	3,861	30,888
2	KSRB 11-5: Providing and fixing white vitreous china clay, water closet European type (Pedestal type, P-trap) with black solid plastic seat and lid, C. P brass hinges, rubber buffers. 10 litre low level, PVC flushing cistern (all are approved make) with fittings, C. I. I.M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 KPWD 18-19,SI No.12.5,Pg No.79	Each	1	4956	495.60	5,452	5,452
3	KSRB 11-1.4: Providing and fixing white vitreous china clay, flat back, lipped front urinal basin of 430x260x350mm in the range of four with 10 litres PVC automatic flushing cistern, C.I I M.S brackets, standard flush pipe and C.P. brass spreaders with brass unions and G. I. clamps complete painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 KPWD 18-19,SI No.12.10,Pg No.80	Unit	6	7091	709.10	7,800	46,801
4	KSRB 11-11 Providing and fixing white vitreous china clay, flat back wash basin with a single 15mm C.P brass pillar tap with C.I I M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 KSRB 11-11.4:do- of size 550 x 400mm Specification No. KBS 11 KPWD 18-19,SI No.12.26,Pg No.83	Unit	3	3021	302.10	3,323	9,969
5	KSRB 11-15.3 • Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications. KPWD 18-19,SI No.12.41,Pg No.84	Unit	3	1136	113.60	1,250	3,749
6	KSRB 11-18-2.0 • Providing and fixing sand cast iron soil waste with access door, insertion of rubber washers 3mm thick bolts and nut, with spun yarn soaked in cement slurry and cement mortar 12 including cost of materials, labour, testing complete as per specifications. KSRB 11-18-2.1 • do - with 100 mm dia bends KPWD 18-19,SI No.12.50,Pg No.85	Each	15	507	50.70	558	8,366
7	KSRB 11-18-2.0 • Providing and fixing sand cast iron soil waste with access door, insertion of rubber washers 3mm thick bolts and nut, with spun yarn soaked in cement slurry and cement mortar 12 including cost of materials, labour, testing complete as per specifications. KSRB 11-18-2.1 • do - with 75 mm dia bends KPWD 18-19,SI No.12.51,Pg No.85	Each	3	435	43.50	479	1,436
8	KSRB 11-18-11: Providing and fixing sand cast iron trap of 100mm dia, of self cleaning design with screwed down or hinged grating with or without vent arm including cutting and making good the walls and floors, cost of materials, labour, testing, complete as per specifications Specification No. KBS 11.1.10 KSRB 11-18-17.1 :do- with 100 mm dia KPWD 18-19,SI No.12.89,Pg No.88	Each	8	830	83.00	913	7,304
9	KSRB 11-18-11: Providing and fixing sand cast iron trap of 100mm dia, of self cleaning design with screwed down or hinged grating with or without vent arm including cutting and making good the walls and floors, cost of materials, labour, testing, complete as per specifications Specification No. KBS 11.1.10 KSRB 11-18-17.1 :do- with 75 mm dia KPWD 18-19,SI No.12.90,Pg No.88	Each	2	756	75.60	832	1,663
10	KSRB 11-18-4: Providing and fixing sand cast iron soil waste double equal junction of required degree with access door insertion of rubber washers 3mm thick bolts and nuts, including cost of materials, labour, testing complete as per specifications. KBS 11-1.10 KSRB 11-18-4.1: dowith access door 100 x 100 x 100 x 100 mm KPWD 18-19,SI No.12.56,Pg No.86	Each	8	1078	107.80	1,186	9,486
11	KSRB 11-18-4: Providing and fixing sand cast iron soil waste double equal junction of required degree with access door insertion of rubber washers 3mm thick bolts and nuts, including cost of materials, labour, testing complete as per specifications. KBS 11-1.10 KSRB 11-18-4.1: dowith access door 75 x 75 x 75 x 75 mm KPWD 18-19,SI No.12.57,Pg No.86	Each	2	798	79.80	878	1,756

Item No.	Description	Unit	Qty.	Basic Rate	Area weightage@ 10%	Final Rate	Amount
12	KSRB 11-18-19 • Providing and fixing M.S stays and clamps for sand cast iron pipes of 100mm dia including cost of materials, labour, complete as per specifications. KSRB 11-18-19.1 •do with 100 mm dia KPWD 18-19,SI No.12.99,Pg No.89	Nos	19	328	32.80	361	6,855
13	KSRB 11-18-19 • Providing and fixing M.S stays and clamps for sand cast iron pipes of 100mm dia including cost of materials, labour, complete as per specifications. KSRB 11-18-19.1 •do with 75 mm dia KPWD 18-19,SI No.12.100,Pg No.89	Nos	19	308	30.80	339	6,437
14	Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern in M-15 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot). do- 10cms x 7.5cms KPWD 18-19,SI No.12.113.1,Pg No.90	Each	6	250	25.00	275	1,650
15	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials, labour charges, HOM and testing complete as per specifications. do- 110 mm dia KPWD 18-19,SI No.12.116.1,Pg No.90	m	44	434	43.40	477	21,006
16	KSRB13-6.1 Providing and fixing in position brass bib cock of approved quality nominal bore including cost of all materials, labour and HOM with all leads complete as per specifications. Specification No.KBS 13.2.2/13.3 KSRB13-6.1-1do-15 mm dia nominal bore KPWD 18-19,SI No.13.23,Pg No.93	Each	13	190	19.0	209.0	2,717
17	KSRB13-64: Providing and fixing in position brass ball valve high or low pressure with plastic float of approved quality nominal bore including cost of all materials, labour and HOM with all leads complete as per specifications. Specification No. KBS KSRB13-6.4-3- do- 25 mm dia nominal KPWD 18-19,SI No.13.42,Pg No.94	Each	3	513	51.3	564.3	1,693
18	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes JOinting of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) 15mm nominal OD Pipe KPWD 18-19,SI No.13.85.1,Pg No.98	m	120	130	13.0	143.0	17,160
19	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes JOinting of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) 20mm nominal OD Pipe KPWD 18-19,SI No.13.85.2,Pg No.98	m	60	157	15.7	172.7	10,362
20	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes JOinting of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) 25mm nominal OD Pipe KPWD 18-19,SI No.13.85.3,Pg No.98	m	30	196	19.6	215.6	6,468
21	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 10 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of JOints complete. (Concealed work including cutting chases and making good walls) 15mm nominal OD Pipe KPWD 18-19,SI No.13.86.1,Pg No.99	m	96	206	20.6	226.6	21,754
22	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 100 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of JOints complete. (Concealed work including cutting chases and making good walls) 20mm nominal OD Pipe KPWD 18-19, SI No. 13.86.2,Pg No.99	m	48	235	23.5	258.5	12,408
	Total						235,380
			<u> </u>	<u> </u>			_50,050

BILL OF QUANTITIES-Gov. Upper Primary School, Neereshwalya, Ward-45

	BILL OF COARTIFIED COV. OPPOR	i	l		1		
Item No.	Description	Unit	Qty.	Basic Rate	Area weightage@ 10%	Final Rate	Amount
1	KSRB 11-1: Providing and fixing white vitreous china clay, water closet Indian type (Squatting pan) of size 580mm with footrests, 100mm s or P trap, 10 litre low level, PVC flushing cistern (all are approved make) with fittings, C. I I M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 KPWD 18-19,SI No.12.1 Pg No 79	Pan	4	3510	351.00	3,861	15,444
2	KSRB 11-5: Providing and fixing white vitreous china clay, water closet European type (Pedestal type, P-trap) with black solid plastic seat and lid, C. P brass hinges, rubber buffers. 10 litre low level, PVC flushing cistem (all are approved make) with fittings, C. I IM.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and rnaking good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 KPWD 18-19,SI No.12.5,Pg No.79	Each	1	4956	495.60	5,452	5,452
3	KSRB 11-1.4: Providing and fixing white vitreous china clay, flat back, lipped front urinal basin of 430x260x350mm in the range of four with 10 litres PVC automatic flushing cistern, C.I I M.S brackets, standard flush pipe and C.P. brass spreaders with brass unions and G. I. clamps complete painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 KPWD 18-19,SI No.12.10,Pg No.80	Unit	3	7091	709.10	7,800	23,400
4	KSRB 11-11 Providing and fixing white vitreous china clay, flat back wash basin with a single 15mm C.P brass pillar tap with C.1 I M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 KSRB 11-11.4:do of size 550 x 400mm Specification No. KBS 11 KPWD 18-19,SI No.12.26,Pg No.83	Unit	1	3021	302.10	3,323	3,323
5	KSRB 11-15.3 • Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications. KPWD 18-19,SI No.12.41,Pg No.84	Unit	1	1136	113.60	1,250	1,250
6	KSRB 11-18-2.0 • Providing and fixing sand cast iron soil waste with access door, insertion of rubber washers 3mm thick bolts and nut, with spun yarn soaked in cement slurry and cement mortar 12 including cost of materials, labour, testing complete as per specifications. KSRB 11-18-2.1 • do with 100 mm dia bends KPWD 18-19,SI No.12.50,Pg No.85	Each	8	507	50.70	558	4,462
7	KSRB 11-18-2.0 • Providing and fixing sand cast iron soil waste with access door, insertion of rubber washers 3mm thick bolts and nut, with spun yarn soaked in cement slurry and cement mortar 12 including cost of materials, labour, testing complete as per specifications. KSRB 11-18-2.1 • do with 75 mm dia bends KPWD 18-19,SI No.12.51,Pg No.85	Each	1	435	43.50	479	479
8	KSRB 11-18-11: Providing and fixing sand cast iron trap of 100mm dia, of self cleaning design with screwed down or hinged grating with or without vent arm including cutting and making good the walls and floors, cost of materials, labour, testing, complete as per specifications Specification No. KBS 11.1.10 KSRB 11-18-17.1: do- with 100 mm dia KPWD 18-19,SI No.12.89,Pg No.88	Each	4	830	83.00	913	3,652
9	KSRB 11-18-11: Providing and fixing sand cast iron trap of 100mm dia, of self cleaning design with screwed down or hinged grating with or without vent arm including cutting and making good the walls and floors, cost of materials, labour, testing, complete as per specifications Specification No. KBS 11.1.10 KSRB 11-18-17.1 :do- with 75 mm dia KPWD 18-19,SI No.12.90,Pg No.88	Each	1	756	75.60	832	832
10	KSRB 11-18-4: Providing and fixing sand cast iron soil waste double equal junction of required degree with access door insertion of rubber washers 3mm thick bolts and nuts, including cost of materials, labour, testing complete as per specifications. KBS 11-1.10 KSRB 11-18-4.1: dowith access door 100 x 100 x 100 x 100 mm KPWD 18-19,SI No.12.56,Pg No.86	Each	4	1078	107.80	1,186	4,743
11	KSRB 11-18-4: Providing and fixing sand cast iron soil waste double equal junction of required degree with access door insertion of rubber washers 3mm thick bolts and nuts, including cost of materials, labour, testing complete as per specifications. KBS 11-1.10 KSRB 11-18-4.1: dowith access door 75 x 75 x 75 x 75 mm KPWD 18-19,SI No.12.57,Pg No.86	Each	1	798	79.80	878	878

Item No.	Description	Unit	Qty.	Basic Rate	Area weightage@ 10%	Final Rate	Amount
12	KSRB 11-18-19 • Providing and fixing M.S stays and clamps for sand cast iron pipes of 100mm dia including cost of materials, labour, complete as per specifications. KSRB 11-18-19.1 •do with 100 mm dia KPWD 18-19,SI No.12.99,Pg No.89	Nos	10	328	32.80	361	3,608
13	KSRB 11-18-19 • Providing and fixing M.S stays and clamps for sand cast iron pipes of 100mm dia including cost of materials, labour, complete as per specifications. KSRB 11-18-19.1 •do with 75 mm dia KPWD 18-19,SI No.12.100,Pg No.89	Nos	10	308	30.80	339	3,388
14	Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern in M-15 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot). do-10cms x 7.5cms KPWD 18-19,SI No.12.113.1,Pg No.90	Each	3	250	25.00	275	825
15	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials, labour charges, HOM and testing complete as per specifications. do- 110 mm dia KPWD 18-19,SI No.12.116.1,Pg No.90	m	23	434	43.40	477	10,980
16	KSRB13-6.1 Providing and fixing in position brass bib cock of approved quality nominal bore including cost of all materials, labour and HOM with all leads complete as per specifications. Specification No.KBS 13.2.2/13.3 KSRB13-6.1-1do-15 mm dia nominal bore KPWD 18-19,SI No.13.23,Pg No.93	Each	6	190	19.0	209.0	1,254
17	KSRB13-64: Providing and fixing in position brass ball valve high or low pressure with plastic float of approved quality nominal bore including cost of all materials, labour and HOM with all leads complete as per specifications. Specification No. KBS KSRB13-6.4-3- do- 25 mm dia nominal KPWD 18-19,SI No.13.42,Pg No.94	Each	1	513	51.3	564.3	564
18	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes JOinting of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) 15mm nominal OD Pipe KPWD 18-19,SI No.13.85.1,Pg No.98	m	62	130	13.0	143.0	8,866
19	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes JOinting of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) 20mm nominal OD Pipe KPWD 18-19,SI No.13.85.2,Pg No.98	m	31	157	15.7	172.7	5,354
20	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes JOinting of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) 25mm nominal OD Pipe KPWD 18-19,SI No.13.85.3,Pg No.98	m	16	196	19.6	215.6	3,450
21	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 100 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of JOints complete. (Concealed work including cutting chases and making good walls) 15mm nominal OD Pipe KPWD 18-19,SI No.13.86.1,Pg No.99	m	50	206	20.6	226.6	11,330
22	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of JOints complete. (Concealed work including cutting chases and making good walls) 20mm nominal OD Pipe KPWD 18-19,SI No.13.86.2,Pg No.99	m	25	235	23.5	258.5	6,463
	Total						119,997

BILL OF QUANTITIES-Block Education Office and Govt High School, Bolar

	BILL OF QUANTITIES-BIOCK Educ				Area		
Item No.	Description	Unit	Qty.	Basic Rate	weightage@ 10%	Final Rate	Amount
1	KSRB 11-1: Providing and fixing white vitreous china clay, water closet Indian type (Squatting pan) of size 580mm with footrests, 100mm s or P trap, 10 litre low level, PVC flushing cistern (all are approved make) with fittings, C. I I M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11	Pan	9	3510	351.00	3,861	34,749
2	KSRB 11-5: Providing and fixing white vitreous china clay, water closet European type (Pedestal type, P-trap) with black solid plastic seat and lid, C. P brass hinges, rubber buffers. 10 litre low level, PVC flushing cistern (all are approved make) with fittings, C. I IM.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 KPWD 18-19,SI No.12.5,Pg No.79	Each	2	4956	495.60	5,452	10,903
3	KSRB 11-1.4: Providing and fixing white vitreous china clay, flat back, lipped front urinal basin of 430x260x350mm in the range of four with 10 litres PVC automatic flushing cistern, C.I I M.S brackets, standard flush pipe and C.P. brass spreaders with brass unions and G. I. clamps complete painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 KPWD 18-19,SI No.12.10,Pg No.80	Unit	8	7091	709.10	7,800	62,401
4	KSRB 11-11 Providing and fixing white vitreous china clay, flat back wash basin with a single 15mm C.P brass pillar tap with C. I I M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 KSRB 11-11.4:do of size 550 x 400mm Specification No. KBS 11 KPWD 18-19,SI No.12.26,Pg No.83	Unit	3	3021	302.10	3,323	9,969
5	KSRB 11-15.3 • Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications. KPWD 18-19,SI No.12.41,Pg No.84	Unit	3	1136	113.60	1,250	3,749
6	KSRB 11-18-2.0 • Providing and fixing sand cast iron soil waste with access door, insertion of rubber washers 3mm thick bolts and nut, with spun yarn soaked in cement slurry and cement mortar 12 including cost of materials, labour, testing complete as per specifications. KSRB 11-18-2.1 • do - with 100 mm dia bends KPWD 18-19,SI No.12.50,Pg No.85	Each	19	507	50.70	558	10,596
7	KSRB 11-18-2.0 • Providing and fixing sand cast iron soil waste with access door, insertion of rubber washers 3mm thick bolts and nut, with spun yarn soaked in cement slurry and cement mortar 12 including cost of materials, labour, testing complete as per specifications. KSRB 11-18-2.1 • do with 75 mm dia bends KPWD 18-19,SI No.12.51,Pg No.85	Each	3	435	43.50	479	1,436
8	KSRB 11-18-11: Providing and fixing sand cast iron trap of 100mm dia, of self cleaning design with screwed down or hinged grating with or without vent arm including cutting and making good the walls and floors, cost of materials, labour, testing, complete as per specifications Specification No. KBS 11.1.10 KSRB 11-18-17.1 :do- with 100 mm dia KPWD 18-19,SI No.12.89,Pg No.88	Each	10	830	83.00	913	9,130
9	KSRB 11-18-11: Providing and fixing sand cast iron trap of 100mm dia, of self cleaning design with screwed down or hinged grating with or without vent arm including cutting and making good the walls and floors, cost of materials, labour, testing, complete as per specifications Specification No. KBS 11.1.10 KSRB 11-18-17.1 :do- with 75 mm dia KPWD 18-19,SI No.12.90,Pg No.88	Each	2	756	75.60	832	1,663
10	KSRB 11-18-4: Providing and fixing sand cast iron soil waste double equal junction of required degree with access door insertion of rubber washers 3mm thick bolts and nuts, including cost of materials, labour, testing complete as per specifications. KBS 11-1.10 KSRB 11-18-4.1: dowith access door 100 x 100 x 100 x 100 mm KPWD 18-19,SI No.12.56,Pg No.86	Each	10	1078	107.80	1,186	11,858
11	KSRB 11-18-4: Providing and fixing sand cast iron soil waste double equal junction of required degree with access door insertion of rubber washers 3mm thick bolts and nuts, including cost of materials, labour, testing complete as per specifications. KBS 11-1.10 KSRB 11-18-4.1: dowith access door 75 x 75 x 75 x 75 mm KPWD 18-19,SI No.12.57,Pg No.86	Each	2	798	79.80	878	1,756

Item No.	Description	Unit	Qty.	Basic Rate	Area weightage@ 10%	Final Rate	Amount
	KSRB 11-18-19 • Providing and fixing M.S stays and clamps for sand cast iron pipes of 100mm dia including cost of materials, labour, complete as per specifications. KSRB 11-18-19.1 •do with 100 mm dia KPWD 18-19,SI No.12.99,Pg No.89	Nos	23	328	32.80	361	8,298
13	KSRB 11-18-19 • Providing and fixing M.S stays and clamps for sand cast iron pipes of 100mm dia including cost of materials, labour, complete as per specifications. KSRB 11-18-19.1 •do with 75 mm dia KPWD 18-19,SI No.12.100,Pg No.89	Nos	23	308	30.80	339	7,792
14	Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern in M-15 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot). do- 10cms x 7.5cms KPWD 18-19,SI No.12.113.1,Pg No.90	Each	8	250	25.00	275	2,200
15	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials, labour charges, HOM and testing complete as per specifications. do- 110 mm dia KPWD 18-19,SI No.12.116.1,Pg No.90	m	53	434	43.40	477	25,302
16	KSRB13-6.1 Providing and fixing in position brass bib cock of approved quality nominal bore including cost of all materials, labour and HOM with all leads complete as per specifications. Specification No.KBS 13.2.2/13.3 KSRB13-6.1-1do-15 mm dia nominal bore KPWD 18-19,SI No.13.23,Pg No.93	Each	15	190	19.0	209.0	3,135
17	KSRB13-64: Providing and fixing in position brass ball valve high or low pressure with plastic float of approved quality nominal bore including cost of all materials, labour and HOM with all leads complete as per specifications. Specification No. KBS KSRB13-6.4-3- do- 25 mm dia nominal KPWD 18-19,SI No.13.42,Pg No.94	Each	3	513	51.3	564.3	1,693
18	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes JOinting of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) 15mm nominal OD Pipe KPWD 18-19,SI No.13.85.1,Pg No.98	m	144	130	13.0	143.0	20,592
19	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes JOinting of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) 20mm nominal OD Pipe KPWD 18-19,SI No.13.85.2,Pg No.98	m	72	157	15.7	172.7	12,434
	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes JOinting of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) 25mm nominal OD Pipe KPWD 18-19,SI No.13.85.3,Pg No.98	m	36	196	19.6	215.6	7,762
	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 100 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of JOints complete. (Concealed work including cutting chases and making good walls) 15mm nominal OD Pipe KPWD 18-19,SI No.13.86.1,Pg No.99	m	115	206	20.6	226.6	26,059
	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 100 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of JOints complete. (Concealed work including cutting chases and making good walls) 20mm nominal OD Pipe KPWD 18-19,SI No.13.86.2,Pg No.99	m	58	235	23.5	258.5	14,993
	Total						288,470

BILL OF QUANTITIES-Balmatta

Item No.	Description	Unit	Qty.	Basic Rate	Area weightage@ 10%	Final Rate	Amount
1	KSRB 11-1: Providing and fixing white vitreous china clay, water closet Indian type (Squatting pan) of size 580mm with footrests, 100mm s or P trap, 10 litre low level, PVC flushing cistern (all are approved make) with fittings, C. I I M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 KPWD 18-19,SI No.12.1 Pg No 79	Pan	15	3510	351.00	3,861	57,915
2	KSRB 11-5: Providing and fixing white vitreous china clay, water closet European type (Pedestal type, P-trap) with black solid plastic seat and lid, C. P brass hinges, rubber buffers. 10 litre low level, PVC flushing cistern (all are approved make) with fittings, C. I I M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 KPWD 18-19,SI No.12.5,Pg No.79	Each	3	4956	495.60	5,452	16,355
3	KSRB 11-1.4: Providing and fixing white vitreous china clay, flat back, lipped front urinal basin of 430x260x350mm in the range of four with 10 litres PVC automatic flushing cistern, C.I I M.S brackets, standard flush pipe and C.P. brass spreaders with brass unions and G. I. clamps complete painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 KPWD 18-19,SI No.12.10,Pg No.80	Unit	13	7091	709.10	7,800	101,401
4	KSRB 11-11 Providing and fixing white vitreous china clay, flat back wash basin with a single 15mm C.P brass pillar tap with C.I I M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 KSRB 11-11.4:do of size 550 x 400mm Specification No. KBS 11 KPWD 18-19,SI No.12.26,Pg No.83	Unit	5	3021	302.10	3,323	16,616
5	KSRB 11-15.3 • Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications. KPWD 18-19,SI No.12.41,Pg No.84	Unit	5	1136	113.60	1,250	6,248
6	KSRB 11-18-2.0 • Providing and fixing sand cast iron soil waste with access door, insertion of rubber washers 3mm thick bolts and nut, with spun yarn soaked in cement slurry and cement mortar 12 including cost of materials, labour, testing complete as per specifications. KSRB 11-18-2.1 • do with 100 mm dia bends KPWD 18-19,SI No.12.50,Pg No.85	Each	31	507	50.70	558	17,289
7	KSRB 11-18-2.0 • Providing and fixing sand cast iron soil waste with access door, insertion of rubber washers 3mm thick bolts and nut, with spun yarn soaked in cement slurry and cement mortar 12 including cost of materials, labour, testing complete as per specifications. KSRB 11-18-2.1 • do with 75 mm dia bends KPWD 18-19,SI No.12.51,Pg No.85	Each	5	435	43.50	479	2,393
8	KSRB 11-18-11: Providing and fixing sand cast iron trap of 100mm dia, of self cleaning design with screwed down or hinged grating with or without vent arm including cutting and making good the walls and floors, cost of materials, labour, testing, complete as per specifications Specification No. KBS 11.1.10 KSRB 11-18-17.1 :do- with 100 mm dia KPWD 18-19,SI No.12.89,Pg No.88	Each	16	830	83.00	913	14,608
9	KSRB 11-18-11: Providing and fixing sand cast iron trap of 100mm dia, of self cleaning design with screwed down or hinged grating with or without vent arm including cutting and making good the walls and floors, cost of materials, labour, testing, complete as per specifications Specification No. KBS 11.1.10 KSRB 11-18-17.1 :do- with 75 mm dia KPWD 18-19,SI No.12.90,Pg No.88	Each	3	756	75.60	832	2,495

Item No.	Description	Unit	Qty.	Basic Rate	Area weightage@ 10%	Final Rate	Amount
10	KSRB 11-18-4: Providing and fixing sand cast iron soil waste double equal junction of required degree with access door insertion of rubber washers 3mm thick bolts and nuts, including cost of materials, labour, testing complete as per specifications. KBS 11-1.10 KSRB 11-18-4.1 : dowith access door 100 x 100 x 100 x 100 mm KPWD 18-19,SI No.12.56,Pg No.86	Each	16	1078	107.80	1,186	18,973
11	KSRB 11-18-4: Providing and fixing sand cast iron soil waste double equal junction of required degree with access door insertion of rubber washers 3mm thick bolts and nuts, including cost of materials, labour, testing complete as per specifications. KBS 11-1.10 KSRB 11-18-4.1: dowith access door 75 x 75 x 75 x 75 mm KPWD 18-19,SI No.12.57,Pg No.86	Each	3	798	79.80	878	2,633
12	KSRB 11-18-19 • Providing and fixing M.S stays and clamps for sand cast iron pipes of 100mm dia including cost of materials, labour, complete as per specifications. KSRB 11-18-19.1 •do with 100 mm dia KPWD 18-19,SI No.12.99,Pg No.89	Nos	38	328	32.80	361	13,710
13	KSRB 11-18-19 • Providing and fixing M.S stays and clamps for sand cast iron pipes of 100mm dia including cost of materials, labour, complete as per specifications. KSRB 11-18-19.1 •do with 75 mm dia KPWD 18-19,SI No.12.100,Pg No.89	Nos	38	308	30.80	339	12,874
14	Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern in M-15 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot). do- 10cms x 7.5cms KPWD 18-19,SI No.12.113.1,Pg No.90	Each	13	250	25.00	275	3,575
15	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials, labour charges, HOM and testing complete as per specifications. do- 110 mm dia KPWD 18-19,SI No.12.116.1.Pg No.90	m	88	434	43.40	477	42,011
16	KSRB13-6.1 Providing and fixing in position brass bib cock of approved quality nominal bore including cost of all materials, labour and HOM with all leads complete as per specifications. Specification No.KBS 13.2.2/13.3 KSRB13-6.1-1do-15 mm dia nominal bore KPWD 18-19,SI No.13.23,Pg No.93	Each	25	190	19.0	209.0	5,225
17	KSRB13-64: Providing and fixing in position brass ball valve high or low pressure with plastic float of approved quality nominal bore including cost of all materials, labour and HOM with all leads complete as per specifications. Specification No. KBS KSRB13-6.4-3- do- 25 mm dia nominal KPWD 18-19,SI No.13.42,Pg No.94	Each	5	513	51.3	564.3	2,822
18	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes JOinting of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) 15mm nominal OD Pipe KPWD 18-19,SI No.13.85.1,Pg No.98	m	240	130	13.0	143.0	34,320
19	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes JOinting of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) 20mm nominal OD Pipe KPWD 18-19,SI No.13.85.2,Pg No.98	m	120	157	15.7	172.7	20,724
20	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes JOinting of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) 25mm nominal OD Pipe KPWD 18-19,SI No.13.85.3,Pg No.98	m	60	196	19.6	215.6	12,936

Item No.	Description	Unit	Qty.	Basic Rate	Area weightage@ 10%	Final Rate	Amount
21	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of JOints complete. (Concealed work including cutting chases and making good walls) 15mm nominal OD Pipe KPWD 18-19,SI No.13.86.1,Pg No.99	m	192	206	20.6	226.6	43,507
22	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of JOints complete. (Concealed work including cutting chases and making good walls) 20mm nominal OD Pipe KPWD 18-19,SI No.13.86.2,Pg No.99	m	96	235	23.5	258.5	24,816
	Total	1					473,446

EXECUTIVE ENGINEER MSCL MANGALURU

GENERAL MANAGER TECHNICAL MSCL MANGALURU

BILL OF QUANTITIES-Govt. Practicing School, Opp. Maidan Road near Railway Station

	BILL OF QUANTITIES-GOVE Practicing 5	1	Брр. шагаа	i i i i i i i i i i i i i i i i i i i	Tan Hammay Old		
Item No.	Description	Unit	Qty.	Basic Rate	Area weightage@ 10%	Final Rate	Amount
1	KSRB 11-1: Providing and fixing white vitreous china clay, water closet Indian type (Squatting pan) of size 580mm with footrests, 100mm s or P trap, 10 litre low level, PVC flushing cistern (all are approved make) with fittings, C. I I M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 KPWD 18-19,SI No.12.1 Pg No 79	Pan	6	3510	351.00	3,861	23,166
2	KSRB 11-5: Providing and fixing white vitreous china clay, water closet European type (Pedestal type, P-trap) with black solid plastic seat and lid, C. P brass hinges, rubber buffers. 10 litre low level, PVC flushing cistern (all are approved make) with fittings, C. I IM.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 KPWD 18-19,SI No.12.5,Pg No.79	Each	1	4956	495.60	5,452	5,452
3	KSRB 11-1.4: Providing and fixing white vitreous china clay, flat back, lipped front urinal basin of 430x260x350mm in the range of four with 10 litres PVC automatic flushing cistern, C.I I M.S brackets, standard flush pipe and C.P. brass spreaders with brass unions and G. I. clamps complete painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 KPWD 18-19,SI No.12.10,Pg No.80	Unit	5	7091	709.10	7,800	39,001
4	KSRB 11-11 Providing and fixing white vitreous china clay, flat back wash basin with a single 15mm C.P brass pillar tap with C. I I M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 KSRB 11-11.4:do of size 550 x 400mm Specification No. KBS 11 KPWD 18-19,SI No.12.26,Pg No.83	Unit	2	3021	302.10	3,323	6,646
5	KSRB 11-15.3 • Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications. KPWD 18-19,SI No.12.41,Pg No.84	Unit	2	1136	113.60	1,250	2,499
6	KSRB 11-18-2.0 • Providing and fixing sand cast iron soil waste with access door, insertion of rubber washers 3mm thick bolts and nut, with spun yarn soaked in cement slurry and cement mortar 12 including cost of materials, labour, testing complete as per specifications. KSRB 11-18-2.1 • do with 100 mm dia bends KPWD 18-19,SI No.12.50,Pg No.85	Each	12	507	50.70	558	6,692
7	KSRB 11-18-2.0 • Providing and fixing sand cast iron soil waste with access door, insertion of rubber washers 3mm thick bolts and nut, with spun yarn soaked in cement slurry and cement mortar 12 including cost of materials, labour, testing complete as per specifications. KSRB 11-18-2.1 • do with 75 mm dia bends KPWD 18-19,SI No.12.51,Pg No.85	Each	2	435	43.50	479	957
8	KSRB 11-18-11: Providing and fixing sand cast iron trap of 100mm dia, of self cleaning design with screwed down or hinged grating with or without vent arm including cutting and making good the walls and floors, cost of materials, labour, testing, complete as per specifications Specification No. KBS 11.1.10 KSRB 11-18-17.1: do- with 100 mm dia KPWD 18-19,SI No.12.89,Pg No.88	Each	6	830	83.00	913	5,478
9	KSRB 11-18-11: Providing and fixing sand cast iron trap of 100mm dia, of self cleaning design with screwed down or hinged grating with or without vent arm including cutting and making good the walls and floors, cost of materials, labour, testing, complete as per specifications Specification No. KBS 11.1.10 KSRB 11-18-17.1 :do- with 75 mm dia KPWD 18-19,SI No.12.90,Pg No.88	Each	1	756	75.60	832	832
10	KSRB 11-18-4: Providing and fixing sand cast iron soil waste double equal junction of required degree with access door insertion of rubber washers 3mm thick bolts and nuts, including cost of materials, labour, testing complete as per specifications. KBS 11-1.10 KSRB 11-18-4.1: dowith access door 100 x 100 x 100 x 100 mm KPWD 18-19,SI No.12.56,Pg No.86	Each	6	1078	107.80	1,186	7,115
11	KSRB 11-18-4: Providing and fixing sand cast iron soil waste double equal junction of required degree with access door insertion of rubber washers 3mm thick bolts and nuts, including cost of materials, labour, testing complete as per specifications. KBS 11-1.10 KSRB 11-18-4.1: dowith access door 75 x 75 x 75 x 75 mm KPWD 18-19,SI No.12.57,Pg No.86	Each	1	798	79.80	878	878

Item No.	Description	Unit	Qty.	Basic Rate	Area weightage@	Final Rate	Amount
12	KSRB 11-18-19 • Providing and fixing M.S stays and clamps for sand cast iron pipes of 100mm dia including cost of materials, labour, complete as per specifications. KSRB 11-18-19.1 •do with 100 mm dia KPWD 18-19,SI No.12.99,Pg No.89	Nos	15	328	32.80	361	5,412
	KSRB 11-18-19 • Providing and fixing M.S stays and clamps for sand cast iron pipes of 100mm dia including cost of materials, labour, complete as per specifications. KSRB 11-18-19.1 •do with 75 mm dia KPWD 18-19,SI No.12.100,Pg No.89	Nos	15	308	30.80	339	5,082
	Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern in M-15 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot). do- 10cms x 7.5cms KPWD 18-19,SI No.12.113.1,Pg No.90	Each	5	250	25.00	275	1,375
15	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials, labour charges, HOM and testing complete as per specifications. do- 110 mm dia KPWD 18-19,SI No.12.116.1,Pg No.90	m	35	434	43.40	477	16,709
16	KSRB13-6.1 Providing and fixing in position brass bib cock of approved quality nominal bore including cost of all materials, labour and HOM with all leads complete as per specifications. Specification No.KBS 13.2.2/13.3 KSRB13-6.1-1do-15 mm dia nominal bore KPWD 18-19,SI No.13.23,Pg No.93	Each	10	190	19.0	209.0	2,090
17	KSRB13-64: Providing and fixing in position brass ball valve high or low pressure with plastic float of approved quality nominal bore including cost of all materials, labour and HOM with all leads complete as per specifications. Specification No. KBS KSRB13-6.4-3- do- 25 mm dia nominal KPWD 18-19,SI No.13.42,Pg No.94	Each	2	513	51.3	564.3	1,129
18	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes JOinting of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) 15mm nominal OD Pipe KPWD 18-19,SI No.13.85.1,Pg No.98	m	96	130	13.0	143.0	13,728
	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes JOinting of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) 20mm nominal OD Pipe KPWD 18-19,SI No.13.85.2,Pg No.98	m	48	157	15.7	172.7	8,290
20	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes JOinting of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) 25mm nominal OD Pipe KPWD 18-19,SI No.13.85.3,Pg No.98	m	24	196	19.6	215.6	5,174
21	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of JOints complete. (Concealed work including cutting chases and making good walls) 15mm nominal OD Pipe KPWD 18-19,SI No.13.86.1,Pg No.99	m	77	206	20.6	226.6	17,448
22	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of JOints complete. (Concealed work including cutting chases and making good walls) 20mm nominal OD Pipe KPWD 18-19,SI No.13.86.2,Pg No.99	m	38	235	23.5	258.5	9,823
	Total						184,976

BILL OF QUANTITIES-Govt. Primary school. Bastigarden

	BILL OF QUANTITIES-GOVE		y school	Bastigarac	,,,,		
Item No.	Description	Unit	Qty.	Basic Rate	Area weightage@ 10%	Final Rate	Amount
1	KSRB 11-1: Providing and fixing white vitreous china clay, water closet Indian type (Squatting pan) of size 580mm with footrests, 100mm s or P trap, 10 litre low level, PVC flushing cistern (all are approved make) with fittings, C. I I M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11	Pan	3	3510	351.00	3,861	11,583
2	KPWD 18-19,SI No.12.1 Pg No 79 KSRB 11-5: Providing and fixing white vitreous china clay, water closet European type (Pedestal type, P-trap) with black solid plastic seat and lid, C. P brass hinges, rubber buffers. 10 litre low level, PVC flushing cistern (all are approved make) with fittings, C. I I M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and rnaking good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 KPWD 18-19,SI No.12.5,Pg No.79	Each	1	4956	495.60	5,452	5,452
3	KSRB 11-1.4: Providing and fixing white vitreous china clay, flat back, lipped front urinal basin of 430x260x350mm in the range of four with 10 litres PVC automatic flushing cistern, C.I I M.S brackets, standard flush pipe and C.P. brass spreaders with brass unions and G. I. clamps complete painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 KPWD 18-19,SI No.12.10,Pg No.80	Unit	3	7091	709.10	7,800	23,400
4	KSRB 11-11 Providing and fixing white vitreous china clay, flat back wash basin with a single 15mm C.P brass pillar tap with C. I I M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 KSRB 11-11.4:do of size 550 x 400mm Specification No. KBS 11 KPWD 18-19,SI No.12.26,Pg No.83	Unit	1	3021	302.10	3,323	3,323
5	KSRB 11-15.3 • Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications. KPWD 18-19,SI No.12.41,Pg No.84	Unit	1	1136	113.60	1,250	1,250
6	KSRB 11-18-2.0 • Providing and fixing sand cast iron soil waste with access door, insertion of rubber washers 3mm thick bolts and nut, with spun yarn soaked in cement slurry and cement mortar 12 including cost of materials, labour, testing complete as per specifications. KSRB 11-18-2.1 • do with 100 mm dia bends KPWD 18-19,SI No.12.50,Pg No.85	Each	7	507	50.70	558	3,904
7	KSRB 11-18-2.0 • Providing and fixing sand cast iron soil waste with access door, insertion of rubber washers 3mm thick bolts and nut, with spun yarn soaked in cement slurry and cement mortar 12 including cost of materials, labour, testing complete as per specifications. KSRB 11-18-2.1 • do with 75 mm dia bends KPWD 18-19,SI No.12.51,Pg No.85	Each	1	435	43.50	479	479
8	KSRB 11-18-11: Providing and fixing sand cast iron trap of 100mm dia, of self cleaning design with screwed down or hinged grating with or without vent arm including cutting and making good the walls and floors, cost of materials, labour, testing, complete as per specifications Specification No. KBS 11.1.10 KSRB 11-18-17-1. :do- with 100 mm dia KPWD 18-19,SI No.12.89,Pg No.88	Each	4	830	83.00	913	3,652
9	KSRB 11-18-11: Providing and fixing sand cast iron trap of 100mm dia, of self cleaning design with screwed down or hinged grating with or without vent arm including cutting and making good the walls and floors, cost of materials, labour, testing, complete as per specifications Specification No. KBS 11.1.10 KSRB 11-18-17.1 :do- with 75 mm dia KPWD 18-19,SI No.12.90,Pg No.88	Each	1	756	75.60	832	832
10	KSRB 11-18-4: Providing and fixing sand cast iron soil waste double equal junction of required degree with access door insertion of rubber washers 3mm thick bolts and nuts, including cost of materials, labour, testing complete as per specifications. KBS 11-1.10 KSRB 11-18-4.1: dowith access door 100 x 100 x 100 mm KPWD 18-19,SI No.12.56,Pg No.86	Each	4	1078	107.80	1,186	4,743
11	KSRB 11-18-4: Providing and fixing sand cast iron soil waste double equal junction of required degree with access door insertion of rubber washers 3mm thick bolts and nuts, including cost of materials, labour, testing complete as per specifications. KBS 11-1.10 KSRB 11-18-4.1: dowith access door 75 x 75 x 75 x 75 mm KPWD 18-19,SI No.12.57,Pg No.86	Each	1	798	79.80	878	878

Item No.	Description	Unit	Qty.	Basic Rate	Area weightage@ 10%	Final Rate	Amount
12	KSRB 11-18-19 • Providing and fixing M.S stays and clamps for sand cast iron pipes of 100mm dia including cost of materials, labour, complete as per specifications. KSRB 11-18-19.1 •do with 100 mm dia KPWD 18-19,SI No.12.99,Pg No.89	Nos	8	328	32.80	361	2,886
13	KSRB 11-18-19 • Providing and fixing M.S stays and clamps for sand cast iron pipes of 100mm dia including cost of materials, labour, complete as per specifications. KSRB 11-18-19.1 •do with 75 mm dia KPWD 18-19,SI No.12.100,Pg No.89	Nos	8	308	30.80	339	2,710
14	Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern in M-15 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot). do-10cms x 7.5cms KPWD 18-19,SI No.12.113.1,Pg No.90	Each	3	250	25.00	275	825
15	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials, labour charges, HOM and testing complete as per specifications. do- 110 mm dia KPWD 18-19,SI No.12.116.1,Pg No.90	m	19	434	43.40	477	9,071
16	KSRB13-6.1 Providing and fixing in position brass bib cock of approved quality nominal bore including cost of all materials, labour and HOM with all leads complete as per specifications. Specification No.KBS 13.2.2/13.3 KSRB13-6.1-1do-15 mm dia nominal bore KPWD 18-19,SI No.13.23,Pg No.93	Each	5	190	19.0	209.0	1,045
17	KSRB13-64: Providing and fixing in position brass ball valve high or low pressure with plastic float of approved quality nominal bore including cost of all materials, labour and HOM with all leads complete as per specifications. Specification No. KBS KSRB13-6.4-3- do- 25 mm dia nominal KPWD 18-19,SI No.13.42,Pg No.94	Each	1	513	51.3	564.3	564
18	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes JOinting of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) 15mm nominal OD Pipe KPWD 18-19,SI No.13.85.1,Pg No.98	m	51	130	13.0	143.0	7,293
19	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes JOinting of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) 20mm nominal OD Pipe KPWD 18-19,SI No.13.85.2,Pg No.98	m	26	157	15.7	172.7	4,490
20	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes JOinting of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) 25mm nominal OD Pipe KPWD 18-19,SI No.13.85.3,Pg No.98	m	13	196	19.6	215.6	2,803
21	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of JOints complete. (Concealed work including cutting chases and making good walls) 15mm nominal OD Pipe KPWD 18-19,SI No.13.86.1,Pg No.99	m	41	206	20.6	226.6	9,291
22	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of JOints complete. (Concealed work including cutting chases and making good walls) 20mm nominal OD Pipe KPWD 18-19,SI No.13.86.2,Pg No.99	ĸ	21	235	23.5	258.5	5,429
	Total						105,903

BILL OF QUANTITIES-Govt. Women's Pre-university College, Rathabeedi, Car Street

	BILL OF QUANTITIES-GOVI. WOITIERS FIE	4111701	Sity Conce	jo, italiiak	occui, oai ot	1001	Ī
Item No.	Description	Unit	Qty.	Basic Rate	Area weightage@ 10%	Final Rate	Amount
1	KSRB 11-1: Providing and fixing white vitreous china clay, water closet Indian type (Squatting pan) of size 580mm with footrests, 100mm s or P trap, 10 litre low level, PVC flushing cistern (all are approved make) with fittings, C. I I M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 KPWD 18-19,SI No.12.1 Pg No 79	Pan	6	3510	351.00	3,861	23,166
2	KSRB 11-5: Providing and fixing white vitreous china clay, water closet European type (Pedestal type, P-trap) with black solid plastic seat and lid, C. P brass hinges, rubber buffers. 10 litre low level, PVC flushing cistern (all are approved make) with fittings, C. I I M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and rnaking good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 KPWD 18-19,SI No.12.5,Pg No.79	Each	1	4956	495.60	5,452	5,452
3	KSRB 11-1.4: Providing and fixing white vitreous china clay, flat back, lipped front urinal basin of 430x260x350mm in the range of four with 10 litres PVC automatic flushing cistern, C.I I M.S brackets, standard flush pipe and C.P. brass spreaders with brass unions and G. I. clamps complete painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 KPWD 18-19,SI No.12.10,Pg No.80	Unit	5	7091	709.10	7,800	39,001
4	KSRB 11-11 Providing and fixing white vitreous china clay, flat back wash basin with a single 15mm C.P brass pillar tap with C. I I M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 KSRB 11-11.4:do of size 550 x 400mm Specification No. KBS 11 KPWD 18-19,SI No.12.26,Pg No.83	Unit	2	3021	302.10	3,323	6,646
5	KSRB 11-15.3 • Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications. KPWD 18-19,SI No.12.41,Pg No.84	Unit	2	1136	113.60	1,250	2,499
6	KSRB 11-18-2.0 • Providing and fixing sand cast iron soil waste with access door, insertion of rubber washers 3mm thick bolts and nut, with spun yarn soaked in cement slurry and cement mortar 12 including cost of materials, labour, testing complete as per specifications. KSRB 11-18-2.1 • do with 100 mm dia bends KPWD 18-19,SI No.12.50,Pg No.85	Each	12	507	50.70	558	6,692
7	KSRB 11-18-2.0 • Providing and fixing sand cast iron soil waste with access door, insertion of rubber washers 3mm thick bolts and nut, with spun yarn soaked in cement slurry and cement mortar 12 including cost of materials, labour, testing complete as per specifications. KSRB 11-18-2.1 • do with 75 mm dia bends KPWD 18-19,SI No.12.51,Pg No.85	Each	2	435	43.50	479	957
8	KSRB 11-18-11: Providing and fixing sand cast iron trap of 100mm dia, of self cleaning design with screwed down or hinged grating with or without vent arm including cutting and making good the walls and floors, cost of materials, labour, testing, complete as per specifications Specification No. KBS 11.1.10 KSRB 11-18-17.1 :do- with 100 mm dia KPWD 18-19,SI No.12.89,Pg No.88	Each	6	830	83.00	913	5,478
9	KSRB 11-18-11: Providing and fixing sand cast iron trap of 100mm dia, of self cleaning design with screwed down or hinged grating with or without vent arm including cutting and making good the walls and floors, cost of materials, labour, testing, complete as per specifications Specification No. KBS 11.1.10 KSRB 11-18-17.1 :do- with 75 mm dia KPWD 18-19,SI No.12.90,Pg No.88	Each	1	756	75.60	832	832
10	KSRB 11-18-4: Providing and fixing sand cast iron soil waste double equal junction of required degree with access door insertion of rubber washers 3mm thick bolts and nuts, including cost of materials, labour, testing complete as per specifications. KBS 11-1.10 KSRB 11-18-4.1: dowith access door 100 x 100 x 100 x 100 mm KPWD 18-19,SI No.12.56,Pg No.86	Each	6	1078	107.80	1,186	7,115
11	KSRB 11-18-4: Providing and fixing sand cast iron soil waste double equal junction of required degree with access door insertion of rubber washers 3mm thick bolts and nuts, including cost of materials, labour, testing complete as per specifications. KBS 11-1.10 KSRB 11-18-4.1: dowith access door 75 x 75 x 75 x 75 mm KPWD 18-19,SI No.12.57,Pg No.86	Each	1	798	79.80	878	878

Item No.	Description	Unit	Qty.	Basic Rate	Area weightage@ 10%	Final Rate	Amount
12	KSRB 11-18-19 • Providing and fixing M.S stays and clamps for sand cast iron pipes of 100mm dia including cost of materials, labour, complete as per specifications. KSRB 11-18-19.1 •do with 100 mm dia KPWD 18-19,SI No.12.99,Pg No.89	Nos	16	328	32.80	361	5,773
13	KSRB 11-18-19 • Providing and fixing M.S stays and clamps for sand cast iron pipes of 100mm dia including cost of materials, labour, complete as per specifications. KSRB 11-18-19.1 •do with 75 mm dia KPWD 18-19,SI No.12.100,Pg No.89	Nos	16	308	30.80	339	5,421
14	Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern in M-15 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot). do- 10cms x 7.5cms KPWD 18-19,SI No.12.113.1,Pg No.90	Each	5	250	25.00	275	1,375
15	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials, labour charges, HOM and testing complete as per specifications. do- 110 mm dia KPWD 18-19,SI No.12.116.1,Pg No.90	m	36	434	43.40	477	17,186
16	KSRB13-6.1 Providing and fixing in position brass bib cock of approved quality nominal bore including cost of all materials, labour and HOM with all leads complete as per specifications. Specification No.KBS 13.2.2/13.3 KSRB13-6.1-1do-15 mm dia nominal bore KPWD 18-19,SI No.13.23,Pg No.93	Each	10	190	19.0	209.0	2,090
17	KSRB13-64: Providing and fixing in position brass ball valve high or low pressure with plastic float of approved quality nominal bore including cost of all materials, labour and HOM with all leads complete as per specifications. Specification No. KBS KSRB13-6.4-3- do- 25 mm dia nominal KPWD 18-19,SI No.13.42,Pg No.94	Each	2	513	51.3	564.3	1,129
18	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes JOinting of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) 15mm nominal OD Pipe KPWD 18-19,SI No.13.85.1,Pg No.98	m	99	130	13.0	143.0	14,157
19	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes JOinting of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) 20mm nominal OD Pipe KPWD 18-19,SI No.13.85.2,Pg No.98	m	50	157	15.7	172.7	8,635
20	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes JOinting of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) 25mm nominal OD Pipe KPWD 18-19,SI No.13.85.3,Pg No.98	m	25	196	19.6	215.6	5,390
21	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of JOints complete. (Concealed work including cutting chases and making good walls) 15mm nominal OD Pipe KPWD 18-19,SI No.13.86.1,Pg No.99	В	79	206	20.6	226.6	17,901
22	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1 00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of JOints complete. (Concealed work including cutting chases and making good walls) 20mm nominal OD Pipe KPWD 18-19,SI No.13.86.2,Pg No.99	m	40	235	23.5	258.5	10,340
	Total						188,113