Project Name: Manglore Smart City
Grand Summary for Priority Road DPR 7

Sr. No.	Description	Cost In INR
1	Road and Other Works	30,00,32,735
2	Street Lighting	52,89,945
3	Landscape Work	2,20,184
	Construction Cost Sub Total	30,55,42,864
	GST @ 12% on Civil Constrction Cost (Refer 1.0 Abstract)	3,51,78,040
	Provision for Third Party Damages and Maintenance at 1 st Year(DLP)	32,57,030
	GST @12% on DLP Cost (Refer 5.1 Abstract)	2,29,258
	Maintenance Cost of 2nd,3rd and 4th Year	1,27,05,091
	GST @12% on Maintenanace Cost	12,19,735
	Escalation and Tender Premium @10%	3,05,54,286
	Add 3% Contengency	91,66,286
	Miscellaneous and Rounding off	47,410
	Grand Total	39,79,00,000

EXECUTIVE ENGINEER MSCL MANGALURU

GENERAL MANAGER TECHNICAL MSCL MANGALURU

MANAGING DIRECTOR MSCL Mangaluru

Name of the Work :- Mangalore Smart City 1.0 BOQ of Road and Other Work for Priority Road DPR 7

	1.0 BOQ of Road and Other work f					1
Sr. No.	Specification	Unit	Qty.	Rate	Amount	Remarks
1.00	Taking out existing CC interlocking paver blocks from footpath/ central verge, including removal of rubbish etc., disposal of unserviceable material to the dumping ground, for which payment shall be made separately and stacking of serviceable material within 50 metre lead as per direction of Engineer-in-Charge.(RA attached)	Sqm	10778.06	74.98	8,08,139	
2.00	KSRRB M200. Dismantling of cement concrete pavement by mechanical means using pueumatic tools,breaking to pieces not exceeding 0.02 cum in volume and stock pilling at designated locations and disposal of dismantled material stacking serviceble and unserviceable materials separately complete as per specifications.MORTH specification No.202.(Including transporting charges,loading and unloading for lead 5km-Extra) (SI No : 18.47)	Cum	220.81	1001.90	2,21,230	
3.00	KSRRB M200- Dismantaling of kerb Stone and Channel KSRRB M200-26. Dismantling Kerb stone by Manual means and disposal of dismantled materials with all lifts and complete as per specifications.MORTH Specification No.202. (S.I.No.18.49)	Rmt	3025.50	13.20	39,937	
4.00	KSRRB M200-13.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. II. By Mechanical Means. A. Cement Concrete Grade M-15 &M-20. MORTH Specification No. 202 (KPWD SOR 18-19,S.I.18.20)	Cum	4104.22	429.00	17,60,710	
5.00	KSRRB M200-17.2. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. v)Steel work in all types of Sections upto a Height of 5 m above plinth level excluding Cutting of Rivet– B. Excluding dismembering. (KPWD SOR 18-19,18.33)	MT	7.20	2082.30	14,993	
6.00	KSRRB 300-50. Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by road roller attached with scarifier without disturbing the base and stacking the debris including cost of all labour charges, HOM of machineries complete as per specifications. MORTH / Section 5.(KSRRB SI No.19.56)	Sqm	22839.80	42.90	9,79,827	
7.00	KSRRB 300-46. Scarifying stone metal crust 50mm to 100mm thick by road roller with scarifier along with 20mm premix carpet / surface dressing and stacking of old serviceable materials including cost of all labour charges, HOM of machinaries complete as per specifications. MORTH / Section 5. (KSRRB SI No.19.52)	Sqm	45679.60	42.90	19,59,655	
8.00	KSRRB M200-12.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonary, cement concrete, woodwork, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. i)Dismantaling Brick/Tile work B.In Cement mortar (SI No : 18.23)	Cum	2.30	386.10	888	
9.00	Removing B.S slab of drain and stackin as directed by engineer in	Sqm	5631.60	107.80	6,07,086	
10.00	charge.(PWD 18-19,SI No : 5.32) KSRRB M800- Permanent type barricade in construction zone KSRRB M800-44.1. Construction of a permanent type barricade made of steel components, 1.5 m high from road level, fitted with 3 horizontal rails 200 mm wide and 4 m long on 50 x 50 x 5 mm angle iron vertical support, painted with yellow and white strips, 150 mm in width at an angle of 45°, complete as per IRC:SP:55-2014 complete as per specifications . A. With steel components (SI No : 24.45)	Nos.	250.00	4,211.90	10,52,975	

Sr. No.	Specification	Unit	Qty.	Rate	Amount	Remarks
11.00	KSRRB M300-14. Excavation for roadwork in all types of soil with hydraulic excavator of 0.9 bucket capacity including cutting and loading in tippers,trimming bottom and side slopes,in accordance with requirements of lines and grades and cross sections,and transporting disposal location up to a lead of 5.00Km and complete as per specifications. MORTH specification No.301 (SI No : 19.14)	Cum	41411.21	56.36	23,33,936	
12.00	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 1.5 m. including cost of all labour complete as per specifications.(KPWD 18-19,SI No.2.11)	Cum	28998.05	132.00	38,27,742	
13.00	KSRRB 300-Compaction KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Section 3.(KPWD 18-19,SI No.19.64)	Sqm	16500.72	6.60	1,08,905	
14.00	KSRB 4-1.6; Providing and laying in position plain cement concrete of mix M15 Grade with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregates @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills , ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (SI.No. 4.6 of KPWD 18-19)	Cum	946.09	6,490.00	61,40,133	
15.00	KSRRB 400 Granular Sub-Base with Coarse Graded Material (table 400- 1) KSRRB M400-7. Construction of granular sub-base by providing Coarse graded crushed stone aggregates of granite / trap / basalt material, speading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with vibratory roller to achieve the desired density, complete as per MORTH specifications clause 401 and Table 400-1 Grading VI. (SI.No.20.4 of KPWD SR 2018-19)	Cum	2551.36	2,382.60	60,78,864	
16.00	KSRRB M400-6.1. Construction of granular sub-base by providing close graded crushed stone aggregates of granite / trap / basalt material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with Plate compactor to achieve the desired density, complete as per specifications. A. Plant Mix Method Close graded granular sub-base material as per 400-1 For Grading- II Material (RA Attached)	Cum	2206.98	2,640.00	58,26,427	
17.00	KSRB 4.2.1 : Providing and laying in position reiforcement cement concrete of design Mix M25 with OPC cement @340Kgs,with 20mm and down size graded granite metal coarse aggregate @ 0.47 cum with super plasticisers @3 liters confirming to IS 9103-1999 reafirmed -2008 at machine mixed,concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls,return walls,walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks,anchor blocks & plinths etc.,Including cost of labour,HOM of machinery,curing,complete but excluding cost of reinforcement as per specifications. (SI No : 4.10 of KPWD 18-19)	Cum	5376.43	6,817.80	3,66,55,400	
18.00	KSRB 4.6.1 Providing and removing centering, shuttering, strutting, propping etc.,and removal of formwork for foundations, footings, bases of columns for mass concrete including cost of all materials,labour complete as per specifications. Specification No. KSB 4.6.2 (SI No : 4.28 of KPWD 18-19)	Sqm	34392.03	289.30	99,49,613	

Sr. No.	Specification	Unit	Qty.	Rate	Amount	Remarks
19.00	KSRB 4.9.2 : Providing T.M.T steel reinforcement for RCC work including straighting,cutting,bending,hooking,placing in position,lapping and/or welding wherever required,tying with binding wire and anchoring to thr adjoing members wherever necessary complete as per design (laps,hooks and wastage shall not be measured and paid) cost of materials,labour,HOM of machinary complete as per specifications.Specification No. KBS4.6.3. do with TMT bars Fe500 (SI No : 4.46.2 of KPWD 18-19)	MT	543.42	77,860.20	4,23,10,790	
20.00	KSRRB M300- Construction of Subgrade . KSRRB M300-55. Construction of sub-grade with approved material Gravel/Murrum with all lifts & leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of Table No. 300-2 complete as per specifications (including cost of earth, watering charges & compaction by vibratory rollercompaction by vibratory roller to 97% of proctors density) MORTH Specification No. 305IKPWD 18-19,19.62,17.1 and 17.4)	Cum	4633.95	620.62	28,75,922	
21.00	KSRRB M600-1.Construction of dry lean cement concrete mix M15 with 1:5:10 OPC cement @160Kgs,with 25mm and down size graded granite/trap/basalt metal coarse aggregate at 0.86cum and fine aggregate @ 0.58cum Sub-base over prepared sub grade with (coarse and fine aggregate confirming to IS:383) aggregate cement ration not to excee 15:1. Aggregate gradation after blending to be as per Table 600-1, cement content to be determined during trail length construction, concrete strength not to be less than 10Mpa at 7 days,mixed in a batching plant,transported to site,laid with a paver with electronic sensor,compacting with 8-10 tonnes double drum vibratory roller,finishing and curing complete as per specifications.Morth specification No.601 (SI No : 22.1.1 of KPWD 18-19)	Cum	1230.23	4,452.80	54,77,957	
22.00	KSRRB M600-1.Construction of dry lean cement concrete mix M15 with 1:5:10 OPC cement @160Kgs,with 25mm and down size graded granite/trap/basalt metal coarse aggregate at 0.86cum and fine aggregate @ 0.58cum Sub-base over prepared sub grade with (coarse and fine aggregate confirming to IS:383) aggregate cement ration not to excee 15:1. Aggregate gradation after blending to be as per Table 600-1, cement content to be determined during trail length construction, concrete strength not to be less than 10Mpa at 7 days,mixed in a batching plant,transported to site, Manually laid and compacting with palte compactor ,finishing and curing complete as per MORTH specifications Clause 601. (RA attached)	Cum	509.75	4,048.00	20,63,468	
23.00	Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete for RCC works laid in 15 em thick layers and well compacted including vibrating curing etc., for all super structure works with all lead and lift etc., complete. (exculsive of cost of steel and fabrication charges) Note : The RMC should be obtained only from the plants certified by Quality Council of India as per CE, C&B letter, AE2, 2015-16, Dt. 12-09-2015 Ready mixed Cement concrete M-25 (KPWD,4.49.2)	Cum	1639.59	6,046.70	99,14,109	
24.00	KSSRRB M600-2.Construction of unreinforced,dowel jointed, plain cement concrete pavement over a prepared sub base with 25mm and down size graded granite metal coarse aggregate with superplastisizer at 3 lts confirming to IS9103-1999 reaffirmed 2008(Coarse and fine aggregate conforming to IS:383) mixed in a batching and mixing plant as per approved mix design,transported to site,laid with a fixed form paver spread,compacted and finished in a continuos operation including provision of contraction, expansio, construction and longitudinal joints,including groove cutting chrges, joints filler,separation memberane, sealent primer, joints sealant, debonding strip, dowel bars, tie rod, admixtures as approved, curing compound,finishing to lines and grades as per drawing complete as per MORTH specifications Clause 602.with M40 @420Kg per cum Cement,C.A,0.67 cum F.A.044Cum (SI No : 22.2.2 of KPWD 18-19)	Cum	3173.19	6,341.50	2,01,22,784	

Sr. No.	Specification	Unit	Qty.	Rate	Amount	Remarks
25.00	Providing and placing joint sealant compound of cold polysulphide in the grooves after widening the groove to required width, sand blasting the groove face if recommended by the sealant manufacturer, cleaning the groove with air compressor, insertion of debonding strip, priming the sides of the sealant if the sealant manufacturer recommends and pouring the sealant all complete including material, manpower and as shown on drawing and as per MORTH specifications clause 602. (Non SOR Item)	Rmt	347.63	115.00	39,977	
26.00	KSRRB 3000 Repair of Joint Grooves with Epoxy Mortar KSRRB M3000-8 Repairs of spalled joints grooves of contraction joints longitudinal joints and expansion joints in concrete pavement using epoxy mortar concrete complete as per specifications.Morth specification No.3005.1 (SI No : 35.8 of KPWD 18-19)	Rmt	695.26	364.10	2,53,143	
27.00	Providing and laying at or near ground level factory made Median kerb stone of M-20 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm), including making drainage opening wherever required complete etc. as per drawing. (Precast C.C. kerb stone shall be approved by Engineer-in-charge). (RA Attached)	Cum	5.10	19,479.70	99,346	
28.00	Providin and fixing pre cast solid concrete Kerb stones as per the drawing,made out of CC M20 and Jointed with CM 1:3 and finishing cutting, including cost of all materials,labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc.,complete (SI No : 5.3 of KPWD 18-19)	Cum	325.14	17,029.77	55,37,021	
29.00	Providin and fixing pre cast solid concrete water table(longitudinal gutter) as per the drawing,made out of CC M20 and jointed with CM 1:3 and finishing cutting, including cost of all materials,labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc.,complete (SI No : 5.3 of KPWD 18-19)	Cum	114.33	17,029.77	19,46,995	
30.00	Reusing existing kerb stone obtained from dismantaling of existing footpath or by other dismantaling work and laying at or near ground level in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm), including transportation to site from stack yard, making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).	Rmt	1,512.75	58.23	88,087	
31.00	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per MORTH specifications section 8. (SI No : 24.1 of KPWD 18-19)	Sqm	1,199.07	88.00	1,05,518	
32.00	P/F FRP Recess Cover (2.5T) 900mmx600 mm with frame on Manhole for electrical ducting. (Rate analysis attached)	Nos.	428.00	7,911.54	33,86,139	
33.00	P/F FRP Recess Cover (2.5T) 600mmx450 mm with frame at raised footpath on SWD. (Rate analysis attached)	Nos.	451.00	5,276.57	23,79,731	
34.00	P/F FRP Water gully cover with frame (25T) 600mmx500 mm at level footpath. (Rate analysis attached)	Nos.	216.00	7,912.28	17,09,052	
35.00	Raising manhole cover and frame to the required road top level including the removing existing cover and raising of MH top wall in RCC M25 and refixing the same cover in proper position with all finish, including cost of all materials, labour, etc. complete.	Nos.	107.00	1,804.00	1,93,028	

Sr. No.	Specification	Unit	Qty.	Rate	Amount	Remarks
36.00	KSRRB M300- Wrought iron and mild steel welded work KSRRB M300-18. Wrought iron and mild steel welded work (using angles, square bars, tees and channel grills, gratings with grating frames, gates and tree guards of any size and design etc. including cost of screens and welding rods or bolts and nuts complete fixed in position but without the cost of excavation and concrete for fixing which will be paid separately complete as per specifications.(KPWD,18-19,SI.No.19.97)	Quintal	324.42	7,905.70	25,64,767	
37.00	KSRB 12-8.2 : Constructing brick masonry inspection chamber 500x700mm, and 450mm depth, (clear inside dimension) for pipeline with one or two inlets, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover with frame (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal , foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finished smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS (S.I.No.11.52 of PWD SR 2018-19)	Nos.	8.00	9,125.60	73,005	
38.00	Providing gully pipe lowering, laying of PVC 100 mm dia pipes to the required alignments including specials and grade as indicated in drawings/design and hydraulically testing of the pipe line. The rate shall include all jointing materials, testing apparatus and water for testi g etc as directed by the Engineer in charge (page No.41, Item No.7, KUWSDB SOR 2016-17)	Rmt	654.00	301.70	1,97,312	
39.00	KSRB 11-18-17.1 : 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. (PWD SR 2018-19, SI.No.12.89)	Nos.	436.00	913.00	3,98,068	
40.00	KSRRB M2200- Providing Weep Holes KSRRB M2200-8. Providing weep holes in Brick masonry / Plain / Reinforced concrete abutment, wing wall / return wall with 100 mm dia AC pipe, extending through the full width of the structure with slope of 1V :20H towards drawing foce. Complete as per drawing and Technical Specifications complete as per specifications MORTH Specification No.2706 & 2200 (PWD SR 2018-19, SI.No.28.10)		4,510.00	161.70	7,29,267	
41.00	KSRRB M800-29.3. Cable Duct Across the road KSRRB M800-29.1. Providing and laying of a reinforced cement concrete pipe duct, 300 mm dia, across the road (new construction), extending from drain to drain in cuts and toe of slope to toe of slope in fills, constructing head walls at both ends, providing a minimum fill of granular material over top and sides of RCC pipe as per IRC:98-1997, bedded on a 0.3 m thick layer of granular material free of rock pieces, outer to outer distance of pipe at least half dia of pipe subject to minimum450 mm in case of double and triple row ducts, joints to be made leak proof, invert level of duct to be above higher than ground level to prevent entry of water and dirt, all as per IRC: 98 - 1997 and approved drawings complete as per specifications. Case-III :Triple row for three utility services. (PWD SR 2018-19,SI.No.24.36)	Rmt	797.00	5,524.20	44,02,787	
42.00	Providing and laying Dia 225mm HDPE Electrical pipe Conduits with Silicore Lubricant inner layer with ribs, dimensional ratio of 13.5, Deflection not greater than 5% when exposed to the normal operating temparature 90°C under the over burden soil presuure and other physical properties comforming to ASTMF 2160 and /or NEMA TC7. The expected service life of HDPE pipe conduits and accessories shall not be less than 50 years. (Market Rate)	Rmt	28,493.50	1,971.80	5,61,83,483	
43.00	Providing and laying Dia 160mm HDPE Electrical pipe Conduits with Silicore Lubricant inner layer with ribs, dimensional ratio of 13.5,Deflection not greater than 5% when exposed to the normal operating temparature 90°C under the over burden soil presuure and other physical properties comforming to ASTMF 2160 and /or NEMA TC7.The expected service life of HDPE pipe conduits and accessories shall not be less than 50 years.(Market Rate)	Rmt	10,963.50	1,068.90	1,17,18,885	

Sr. No.	Specification	Unit	Qty.	Rate	Amount	Remarks
44.00	Providing and Fixing Spacers for Power Ducts of size 225 mm, to be placed at an interval of 1.5 meter. Spacers shall be made of ABS raw material. (Market rate)	Nos.	3,551.00	1,003.00	35,61,653	
45.00	Providing and Fixing Spacers for Power Ducts of size 160 mm, to be placed at an interval of 1.5 meter. Spacers shall be made of ABS raw material. (Market rate)	Nos.	3,611.00	1,947.00	70,30,617	
46.00	Supplying 7-way 40mm HDPE pipe Multi-way Duct Silicore Lubricant inner layer for ICT fibre cables comforming to ASTMF 2160 and /or equivalent indian standard and conveying to work site including loading and unloading at both destination and rolling,lowering into trenches,laying true to line and jointing of pipe etc.Complete. (Market Rate)	Rmt	5,816.70	601.30	34,97,582	
47.00	Supplying and Application charges required for stamping the freshly laid new concrete (Concrete rate is not included in this item) including finishing and colouring the top surface accurately to the required level,shape and size using approved colour shade and staping it using approved stamp pattern and antiquitting it on top with approved colour.Sealing entire area with concrete sealer.	Sqm	13,882.74	624.00	86,62,830	
48.00	Cutting of Control joints panels(in Footpath) at suitable required locations using using tools and tackles.	Rmt	3,969.85	59.00	2,34,221	
49.00	Providing and laying heavy duty cobble stones 75mm thick , using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 30mm 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. (KPWD SR 2018-19,SI No : 14.7)	Sqm	5,082.84	1,225.40	62,28,512	
50.00	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications MORTH Specification No. 507 -using 100/120 TPH capacity H.M.P. with sensor paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen (KPWD 18-19,S.I.No.21.17.1)	Cum	141.08	8,622.90	12,16,476	
51.00	KSRRB M500-19. Providing and laying bituminous concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications. MORTH Specification No. 509 - using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 45 mm) with 6 % VG-40 Bitumen(KPWD 18-19,S.I.No.21.22.6)	Cum	37.62	9,637.10	3,62,548	
52.00	KSRRB M800-2. Retro-Reflectorised Traffic Signs - Manufacturing, Supply and Installation of retro-reflective cautionary, mandatory & Informatory signboards made out of cube corner micro prismatic grade sheeting confirming to type XI standards of IRC:67:2012 specifications & fixed over 4mm thick aluminium composite panel sheet having minimum 0.30 mm thick aluminum skin on both sides & fixed over a support frame of 25X25X3mm MS angle and mounted on 75 mm dia OR 75X75X6mm mild steel angle to Total height 2.70 m with clear height of not less than 2.10 m from the ground level to the bottom of the sign board & 60mm below ground level. the sign post should be painted with be coat of red oxide paint and two coats of synthetic enamel paint of black and white colour with bands of 30 cm height alternatively firmly fixed to the ground by means of foundation with M20 grade cement concrete of 45cmX45cmX60cm including cost & conveyance of all materials, equipment, machinery & labour with all leads and lifts, loading charges necessary for satisfactory completion of the works as directed be engineer in-charge.	Nos.	105.00	3,862.10	4,05,521	
	and lifts, loading charges necessary for satisfactory completion of the works					

Sr. No.	Specification	Unit	Qty.	Rate	Amount	Remarks
	10 years warranty for Retro Reflective Sheeting from the original sheeting manufactures as per clause 6.9 in IRC: 2012 & a certified copy of three years outdoor exposure report from an independent test lab for the product offered shall be obtained from the supplier. 900MM Equilateral Triangle-TYPE XI (KPWD 18-19,SI No : 24.2.1) KSRRB M800-2. Retro-Reflectorised Traffic Signs - Manufacturing,					
53.00	Supply and Installation of retro-reflective cautionary, mandatory & Informatory signboards made out of cube corner micro prismatic grade sheeting confirming to type XI standards of IRC:67:2012 specifications & fixed over 4mm thick aluminium composite panel sheet having minimum 0.30 mm thick aluminum skin on both sides & fixed over a support frame of 25X25X3mm MS angle and mounted on 75 mm dia OR 75X75X6mm mild steel angle to Total height 2.70 m with clear height of not less than 2.10 m from the ground level to the bottom of the sign board & 60mm below ground level. the sign post should be painted with be coat of red oxide paint and two coats of synthetic enamel paint of black and white colour with bands of 30 cm height alternatively firmly fixed to the ground by means of foundation with M20 grade cement concrete of 45cmX45cmX60cm including cost & conveyance of all materials, equipment, machinery & labour with all leads and lifts, loading charges necessary for satisfactory completion of the works as directed be engineer in-charge.	Nos.	13.00	5,453.80	70,899	
	10 years warranty for Retro Reflective Sheeting from the original sheeting manufactures as per clause 6.9 in IRC: 2012 & a certified copy of three years outdoor exposure report from an independent test lab for the product offered shall be obtained from the supplier. 900MM Octagon Stop Board-TYPE XI (KPWD 18-19,SI No : 24.2.6)					
54.00	KSRRB M800-2. Retro-Reflectorised Traffic Signs - Manufacturing, Supply and Installation of retro-reflective cautionary, mandatory & Informatory signboards made out of cube corner micro prismatic grade sheeting confirming to type XI standards of IRC:67:2012 specifications & fixed over 4mm thick aluminium composite panel sheet having minimum 0.30 mm thick aluminum skin on both sides & fixed over a support frame of 25X25X3mm MS angle and mounted on 75 mm dia OR 75X75X6mm mild steel angle to Total height 2.70 m with clear height of not less than 2.10 m from the ground level to the bottom of the sign board & 60mm below ground level. the sign post should be painted with be coat of red oxide paint and two coats of synthetic enamel paint of black and white colour with bands of 30 cm height alternatively firmly fixed to the ground by means of foundation with M20 grade cement concrete of 45cmX45cmX60cm including cost & conveyance of all materials, equipment, machinery & labour with all leads and lifts, loading charges necessary for satisfactory completion of the works as directed be engineer in-charge.	Nos.	91.00	3,429.80	3,12,112	
	10 years warranty for Retro Reflective Sheeting from the original sheeting manufactures as per clause 6.9 in IRC: 2012 & a certified copy of three years outdoor exposure report from an independent test lab for the product offered shall be obtained from the supplier. 600MM Circle-TYPE XI (KPWD 18-19,SI No : 24.2.3)					
55.00	KSRRB M800-3. Direction and Place Identification Signs upto 0.9 sqm Size Board: -Manufacturing, supply and installation of retro- reflectorised cautionary, mandatory and informatory signboards made out of cube corner micro prismatic grade sheeting confirming to type XI standards of IRC :67:2012 specifications & fixed over 4 mm thick aluminium composite panel sheet having minimun 0.30 thick aluminium skin on both sides & fixed over a support frame of 25x25x3 mm MS angle and mounted on 75mm dia OR 75x75x6mm Mild steel angle of total height 2.70m with clear height of not less than 2.10 m from the ground level to the bottom of the sign board & 60 cm below ground level. The sign post should be painted with one coat of red oxide paint and white colour with brands of 30 cm height alternatively firmly fixed to the ground by means of foundation with M20 grade cement concrete of 45 cm x45 cm x 60 cm including cost & conveyance of all materials, equipment, machinery & labour with all leads and lifts, loading charges necessary for satisfactory completion of the work as directed by engineer in charge. 10 years warranty for retro reflective sheeting from the original sheeting manufacturer as per clause 6.9 in IRC 2012 & a certified copy of three years outdoor exposure report from an independent test lab for the product offered shall be obtained from the supplier. (KPWD 18-19,SI No : 24.3)	Sqm	22.50	7619.70	1,71,443	

Sr. No.	Specification	Unit	Qty.	Rate	Amount	Remarks
56.00	Direction and Place Identification Signs with size more than 0.9 sqm Size Board: Providing and erecting direction and place identification retro-reflectorised sign as per IRC:67 made of high intensity grade sheeting vide Clause 801.3, fixed over aluminium sheeting, 2 mm thick with area exceeding 0.9 sqm supported on a mild steel single angle iron post 75 x 75 x 6 mm, 2 Nos. firmly fixed to the ground by means of properly designed foundation with M 15 grade cement concrete 45 x 45 x 60 em, 60 em below ground level as per approved drawing.	Sqm	36.00	7926.60	2,85,358	
57.00	KSRRB M800-2. Retro-Reflectorised Traffic Signs - Manufacturing, supply and installation of retro- reflectorised cautionary, mandatory and informatory signboards made out of cube corner micro prismatic grade sheeting confirming to 600x800 MM type XI standards of IRC :67:2012 specifications & fixed over 4 mm thick aluminium composite panel sheet having minimun 0.30 thick aluminium skin on both sides & fixed over a support frame of 25x25x3 mm MS angle and mounted on 75mm dia OR 75x75x6mm Mild steel angle of total height 2.70m with clear height of not less than 2.10 m from the ground level to the bottom of the sign board & 60 cm below ground level. The sign post should be painted with one coat of red oxide paint and white colour with brands of 30 cm height alternatively firmly fixed to the ground by means of foundation with (KPWD18-19,24.2.4)	Nos.	23.00	4453.90	1,02,440	
	M20 grade cement concrete of 45 cm x45 cm x 60 cm including cost & conveyance of all materials, equipment, machinery & labour with all leads and lifts, loading charges necessary for satisfactory completion of the work as directed by engineer in charge. 10 years warranty for retro reflective sheeting from the original sheeting manufacturer as per clause 6.9 in IRC 2012 & a certified copy of three years outdoor exposure report from an independent test lab for the product offered shall be obtained from the supplier.					
58.00	KSRRB M800 Road markers / Road stud KSRRB M800-35. Providing and fixing of road stud 100x 100 mm, diecast in aluminium, resistant to corrosive effect of salt and grit, fitted with lense reflectors, installed in concrete or asphaltic surface by drilling hole 30 mm upto a depth of 60 mm and bedded in a suitable bituminous grout or epoxy mortar, all as per BS: 873 part 4:1973 complete as per specifications (KPWD 18-19,SI No : 24.41)	Nos.	490.00	317.90	1,55,771	
59.00	Supply & Installation of Solar Raised Pavement Markers made of polycarbonate molded body with circular shape, solar powered, LED self illumination in active mode, 360 degree illumination and reflective panels with micro prismatic lens in passive mode. The marker shall support a load of20000 kg tested in accordance to IRC 37 and shall be resistantto dust and water ingress according to IP 65 (Ingress Protection 65 is a test which is conducted to check if solar road stud is protected from total dust Ingress and low pressure water jets from any direction) standards and should withstand temperatures in the range of 0 C to 70 C. Color of lighting could be provided in red or yellow (amber) as per requirement and typical frequency of blinking is 1 Hz. There should be current losses of less than 20 micro-amperes at 2.4 V in sleep-charging mode to enhance the life of the marker and a full charge should provide for a minimum autonomy of 50 hours. The height, width and length of the marker shall not be less than 10 mm x 100 mm. Also, the surface diameter of the marker shall not exceed 0.5 Kilograms. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation and complete as directed by the engineer.	Nos.	320.00	3257.10	10,42,272	
60.00	Road Marking with hot applied Thermoplastic Compound with Reflectrising Glass Beads on Concrete Surface :Providing and laying of hot applied thermoplastic compound 2.5mm thick including reflectorising glass beads at 250 gms and 2 ltr of primer per sqm area,thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35.The finished surface to be level,uniform and free from streak and holes complete as per specifications.MORTH specification No.803 (KPWD 18-19,SI No : 24.15)	Sqm	3848.04	471.90	18,15,891	

Sr. No.	Specification	Unit	Qty.	Rate	Amount	Remarks
61.00	Providing and Fixing of Bus shelter (on prepared foundation) made of SS 304 frame work with brush steel finish, Galvanised Aluminium powder coated roofing and electronic circuit to control its lighting. The seating shall be made of SS 304 tubular sections for seat and back rest each unit size of 4500mm x 600mm with a minimum backrest support of 450mm. Bus shelter shall have the Side Display board to have 1100X400mm Electronic display. The electronic display board to be of LED Scrolling type with Oval, 4.3 x 5.1mm dia. Diffused. LED's having Amber colour. Dual bin system should be adopted one for recycle waste & other for dry waste. Each bin shall be with minimum capacity of 70Ltrs. Interactive Information Panel-display equipment with information area of 1400 x 1400 and touch screen LED display panel of area not less than 600-900mm with integrated 8mm toughened glass. Advertisement Area 2 nos of size 4500mm x 1650mm and 2100mm x 2000mm shall be integrated within the design of the Bus Shelter. This shall be backlit type with SS box framing sides and back complete. Provision for installing outdoor WiFi Router. The Foundation slab shall be made in min M25 concrete. The cast iron nuts, bolts shall be rust proof hot deep galvanized powder coated etc. The materials used shall be Nonflammable (NON SOR Item)	Nos.	3.00	150000.00	45,00,000	
62.00	Providing & installing of E- toilet with Super structure of the electronic toilet to have asthetic ambience with inner room size 1.2 x 0.8 x 2.4 (LXWXH)meters and Size of electronic toilet overall size in meters 2.30x1.25x2.80 (LXWXH) Total area 35 Sft. with Built-acess controlled main door and side walls made of SS Grade 304,Toilet floor and closet are to be stainless steel of grade 304.E-Toilet shall have Built-in water tank with minimum 225 Lit capacity and Acess controll using coin validator for entering the unit based on automatic payment collection mechanism exit from the unit should be manual.Automatic lights inside the unit with gloves on opening the door.E-Toilet shall be Automatic flushing system which includes Automatic Pre flush cleaning before use,Automatic closet washing mechanism after use and Automatic platform cleaning mechanism programmed after specific numbers.In addition to these flush switch is to be provided for manual operation.Standard features should include heath faucet,exhaust fan and cloth hanger.	Nos	4.00	5,75,000	23,00,000	
	The E-Toilet shall have Alert to users-different indication on 'ready to use',busy are to be provided in the unit also with Voice guidence in the unit for users. Web enabled support-GPRS based Real time data to be provided from the unit through web for knowing the health status like number of users per day and coins collected.E-toilet shall have Modular and portable design enabling easy assembling and installation at site.Call ceneter and web portal facilities for registering complience and tracking usage,coin collection etc.Status display in LED,Printed instruction stickers are to be provided.For Advertisment purpose space for advertisement dispaly to be povided on the exterior of the unit for income generation and sustainability. Backup power facility like UPS is to be provided to supplement upto 30 Min Base of the unit to be placed on a suitable concrete structure with a ashthetic finish. (Non SOR Item)					
63.00	KSRB 6-2.3 : Providing and constructing burnt brick masonry with approved quality of non-modular bricks of standard size of class designation 5.0Newton per sqmm (table moulded) with cement mortar 1:6 for basement and superstructu/re including cost of materials, labour charges, scaffolding, curing complete as per specifications. Specification No. KBS 6.2. (KPWD 18-19,SI.No.6.7)	Cum	62.43	8576.70	5,35,454	
64.00	KSRB15-3.8 : Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.(KPWD 18- 19,SI No.15.16)	Sqm	187.92	288.20	54,159	
65.00	Providing and fixing 450mm wide X 600mmX 20mm thk.RIVERWASHED BLACK GRANITE CLADDING on surface of seating as directed by architect (Non SOR Item)	Sqm	111.60	3527.00	3,93,613	
66.00	Providing and fixing of S.S. Bollards(SS304) on footpath as specified and directed by Engineer -in-charge (NON SOR Item)	Nos.	146.00	4,500	6,57,000	
67.00	Providing and fixing of railing as detail design in MS HOLLOW SECTION and bars (shop drawing to be approved),with vertical support of 0.9m @2.2mc/c , all complete to the satisfaction of the Landscape architect.(Non SOR Item)	MT	8.32	100,000	8,32,000	

Sr. No.	Specification	Unit	Qty.	Rate	Amount	Remarks
68.00	Providing and Fixing SS 304 Outdoor Dustbin (Pivoted Type and Mounted on SS Poles) of 55 liters capacity all complete to the satisfaction of the Engineer in charge. (NON SOR Item)		35.00	7,500	2,62,500	
69.00	KSRRB M300-14. Half brick circular tree guard, in 2nd class brick, internal diametre 1.25 metres, and height 1.2 metres, above ground and 0.20 metre below ground, bottom two courses laid dry, and top three courses in cement mortar 1:6 (1 cement 6 sand) and the intermediate courses being in dry honey comb masonry, as per design complete, complete as per specifications.KSRRB M300-Edging with 2nd class bricks, laid dry lengthwise		20.00	2,466	49,324	
70.00	Extra Lead for Disposing off unserviceable materials upto 10 Km beyond initial Lead of 5 km Item No 17.4 KSRRB M100-4.1-Earth	Cum	12,413.16	90.86	11,27,860	
71.00	Extra Lead for Disposing off unserviceable materials upto 10 Km beyond initial Lead of 5km Item No 17.4 KSRRB M100-4.1-Debris	Cum	11,254.96	91.30	10,27,578	
			Total		30,00,32,735	

ASSISTANT ENGINEER MSCL MANGALURU ASSISTANT EXECUTIVE ENGINEER MSCL MANGALURU

EXECUTIVE ENGINEER MSCL MANGALURU GM TECHNICAL MSCL MANGALURU

Name of the Work :- Mangalore Smart City 1.1 Measurement Sheet of Road and Other Work for DPR 7

No.	1.1 Measurement Sheet of Road and C Description	Other Work Unit	for DPR 7 No's	L	В	н	Qty.
10.	Road and Junction Payment and			F		11	œty.
	Taking out existing CC interlocking paver blocks from footpath/ central verge,						
	including removal of rubbish etc., disposal of unserviceable material to the dumping						
	ground, for which payment shall be made separately and stacking of serviceable						
	material within 50 metre lead as per direction of Engineer-in-Charge.(RA attached)						
	Road No.1-GHS Road						
	LHS	Carat	4	100.0	0.70		250.0
	Ch.100.00 to Ch.230.0-Footpath RHS	Sqm	1	130.0	2.76		358.8
	Ch.280.0 to Ch.375.0-Footpath	Sqm	1	95.0	2.15		204.2
		Uqin		00.0	2.10		20112
	Road No.2-P.M.Rao Road						
	RHS	-					
	Ch.0.00 to Ch.40.0-Footpath	Sqm	1	40.0	4.31		172.4
	LHS Ch.150.0 to Ch.188.50-Footpath	Sqm	1	38.5	1.33		51.21
	Ch. 130.0 to Ch. 188.30-1 00(path	Sqiii	1	30.5	1.55		51.2
	Road No.3-Sharavu Temple Road						
	LHS						
	Ch.8.0 to Ch.18.0-Footpath	Sqm	1	10.0	1.79		17.90
	Ch.17.0 to Ch.80.0-Carriageway	Sqm	1	63.0	5.21		328.2
	Ch.110.0 to Ch.195.0-Carriageway	Sqm	1	85.0	4.50		382.5
	Pood No 4.G H S. Cross Pood						
	Road No.4-G.H.S. Cross Road LHS						
	Ch.0.0 to Ch.40.0-Carriageway	Sqm	1	40.0	4.04		161.6
	Ch.40.0 to Ch.140.0-Footpath	Sqm	1	100.0	1.91		191.0
	RHS						
	Ch.138.0 to Ch.180.0-Footpath	Sqm	1	42.0	1.89		79.38
	Deed No 5 Webshe Townia Deed						
	Road No.5-Vithoba Temple Road						
	LHS Ch.0.0 to Ch.65.0-Footpath	Sqm	1	65.0	4.31		280.1
	Ch.65.0 to Ch.130.0-Footpath	Sqm	1	65.0	5.20		338.0
	Ch.142.0 to Ch.160.0-Footpath	Sqm	1	18.0	0.93		16.74
	Ch.165.0 to Ch.220.0-Footpath	Sqm	1	55.0	0.82		45.10
	Ch.220.0 to Ch.270.0-Footpath	Sqm	1	50.0	1.20		60.00
	Ch.315.0 to Ch.390.0-Footpath	Sqm	1	75.0	1.30		97.50
	Ch.415.0 to Ch.490.0-Footpath	Sqm	1	75.0	0.91		68.25
	RHS Ch.10.0 to Ch.220.0	Sqm	1	210.0	0.32		67.20
	Ch.220.0 to Ch.280.0	Sqm	1	60.0	1.05		63.00
	Road No.7-Maidan 1st Cross Road	Uqin		00.0	1.00		00.00
	LHS						
	Ch.20.0 to Ch.120.0	Sqm	1	100.0	2.80		280.0
	RHS	0.000	4	0.0	5.00		44.00
	Ch.20.0 to Ch.22.0 Ch.30.0 to Ch.130.0	Sqm	1	2.0 100.0	5.93 2.56		<u>11.86</u> 256.0
	CII.30.0 10 CII. 130.0	Sqm	1	100.0	2.50		200.0
	Road No.8-Maidan 3rd Cross Road						
	LHS						
	Ch.40.0 to Ch.185.0-Footpath	Sqm	1	145.0	3.15		456.7
	RHS						
	Ch.0.0 to Ch.190.0-Footpath	Sqm	1	190.0	1.79		340.1
	Deed No O Diki Alaki Deed						
	Road No.9-Bibi Alabi Road LHS						
	Ch.0.0 to Ch.320.0-Footpath	Sqm	1	320.0	3.43		1097.6
	Ch.330.0 to Ch.435.0-Footpath	Sqm	1	105.0	1.93		202.6
	Ch.0.0 to Ch.200.0-Carriageway	Sqm	1	200.0	3.28		656.0
	Ch.230.0 to Ch.280.0-Carriageway	Sqm	1	50.0	5.22		261.0
	Ch.400.0 to Ch.430.0-Carriageway	Sqm	1	30.0	7.30		219.0
	RHS Ch.50.0 to Ch.160.0-Carriageway	Sam	1	110.0	2.77		304.7
	UN.JU. U UN. TOU.U-Uditidyeway	Sqm	1	110.0	2.11		304.7
	Road 10-Bibi Alabi-Kandak Road						
	LHS						
	Ch.15.00 to Ch.150.0-Footpath	Sqm	1	135.0	0.48		64.80
	RHS	0		10.0	0.00		00.00
	Ch.280.0 to Ch.290.0-Footpath Ch.380.0 to Ch.410.0-Footpath	Sqm Sqm	1	10.0	3.68		36.80
	Ch.380.0 to Ch.410.0-Footpath Ch.445.0 to Ch.465.0-Footpath	Sqm Sqm	1	30.0 20.0	4.88 1.42		<u>146.4</u> 28.40
		Jun	1	20.0	1.42		20.40
	Road 11-Maidan 4th Cross Road-Extn						
	Road 11-Maidan 4th Cross Road-Extn LHS						
	LHS Ch.0.0 to Ch.160.0-Footpath	Sqm	1	160.0	3.72		595.2
	LHS Ch.0.0 to Ch.160.0-Footpath RHS						
	LHS Ch.0.0 to Ch.160.0-Footpath	Sqm Sqm	1	160.0 130.0	3.72 6.30		
	LHS Ch.0.0 to Ch.160.0-Footpath RHS Ch.20.0 to Ch.150.0-Footpath						
	LHS Ch.0.0 to Ch.160.0-Footpath RHS Ch.20.0 to Ch.150.0-Footpath Road 13-J.M 1st Cross Road						595.2 819.0
	LHS Ch.0.0 to Ch.160.0-Footpath RHS Ch.20.0 to Ch.150.0-Footpath						

	Description	11	N.L.L.	<u> </u>	_		01-1
Sr. No.	Description RHS	Unit	No's	L	В	Н	Qty.
	Ch.40.0 to Ch.35.0-Footpath	Sqm	1	5.0	8.63		43.15
	Consider 20% Extra Qty.	oqiii		0.0	0.00		1796.34
		Sqm		Total Qty.	1		10778.06
	Consider 60mm Paver Block	Cum					646.68
	KSRRB M200. Dismantling of cement concrete pavement by mechanical means using						
	pueumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock pilling						
	at designated locations and disposal of dismantled material stacking serviceble and						
0	unserviceable materials separately complete as per specifications.MORTH						
2	specification No.202.(Including transporting charges,loading and unloading for lead						
	5km-Extra)						
	(SI No : 18.47)						
	RCC Pipe Crossing-						
1	Road No.1-GHS Road	Cum	1	370	7.5	0.25	693.75
2	Road No.4-G.H.S. Cross Road	Cum	1	180		0.25	337.50
3	Road No.9-Bibi Alabi Road	Cum	1	470	14	0.25	1645.00
	Road No.1-GHS Road						
	Ch.60.0 to Ch.350.0	Cum	1	290			87.00
						o Total=	2763.25
		Cum		-	@5%of Roa	d + SWD of	220.81
		••••		Sub Total	1		220.01
				-			
	KSRRB M200-Dismantaling of kerb Stone and Channel KSRRB M200-26. Dismantling						
3	Kerb stone by Manual means and disposal of dismantled materials with all lifts and						
	complete as per specifications.MORTH Specification No.202.			1			
	(S.I.No.18.49)						
L	Footpath			L			
	Road No.1-GHS Road						
L	LHS		<u> </u>				400.00
	Ch.100.00 to Ch.230.0-Footpath	Rm	1	130			130.00
	RHS	D	<u> </u>				05.00
	Ch.280.0 to Ch.375.0-Footpath	Rm	1	95			95.00
	Peed No 2 B M Dee Beed						
	Road No.2-P.M.Rao Road RHS		ł	-			
	Ch.0.00 to Ch.40.0-Footpath	Rm	1	40			40.00
	LHS	NIII	· ·	40			40.00
	Ch.150.0 to Ch.188.50-Footpath	Rm	1	38.5			38.50
	01.130.0 to 01.100.30-1 00.path	T\III	· · ·	50.5			30.30
	Road No.3-Sharavu Temple Road						
	LHS						
	Ch.8.0 to Ch.18.0-Footpath	Rm	1	10			10.00
	Road No.4-G.H.S. Cross Road						
	LHS						
	Ch.40.0 to Ch.140.0-Footpath	Rm	1	100			100.00
	RHS						
	Ch.138.0 to Ch.180.0-Footpath	Rm	1	42			42.00
	Road No.5-Vithoba Temple Road						
	LHS						
	Ch.0.0 to Ch.65.0-Footpath	Rm	1				65.00
	Ch.65.0 to Ch.130.0-Footpath	Rm	1				65.00
	Ch.142.0 to Ch.160.0-Footpath	Rm	1				18.00
	Ch.165.0 to Ch.220.0-Footpath	Rm	1				55.00
	Ch.220.0 to Ch.270.0-Footpath	Rm	1				50.00
	Ch.315.0 to Ch.390.0-Footpath	Rm	1				75.00
	Ch.415.0 to Ch.490.0-Footpath	Rm	1	75			75.00
	RHS Ch.10.0 to Ch.220.0-Footpath	D٣	1	210			210.00
	Ch. 20.0 to Ch. 220.0-Footpath Ch. 220.0 to Ch. 280.0-Footpath	Rm Rm	1	60			60.00
		NII		00			00.00
	Road No.7-Maidan 1st Cross Road						
	LHS						
<u> </u>	Ch.20.0 to Ch.120.0-Footpathv	Rm	1	100			100.00
<u> </u>	RHS			100			100.00
<u> </u>	Ch.20.0 to Ch.22.0-Footpath	Rm	1	2			2.00
<u> </u>	Ch.30.0 to Ch.130.0-Footpath	Rm	1				100.00
	Road No.8-Maidan 3rd Cross Road		1				
	LHS						
	Ch.40.0 to Ch.185.0-Footpath	Rm	1	145			145.00
	RHS						
	Ch.0.0 to Ch.190.0-Footpath	Rm	1	190			190.00
	Road No.9-Bibi Alabi Road						
	LHS						
	Ch.0.0 to Ch.320.0-Footpath	Rm	1				320.00
	Ch.330.0 to Ch.435.0-Footpath	Rm	1	105			105.00
	Median	Rm	1	355			355.00
	Road 10-Bibi Alabi-Kandak Road						
	LHS						
	LHS Ch.15.00 to Ch.150.0-Footpath	Rm	1	135			135.00
	LHS	Rm Rm	1				135.00

					_		
r. No.	Description	Unit	No's	L	В	Н	Qty.
	Ch.380.0 to Ch.410.0-Footpath	Rm	1				30.00
	Ch.445.0 to Ch.465.0-Footpath	Rm	1	20			20.00
	Dead 44 Meider 4th Cross Dead Fren						
	Road 11-Maidan 4th Cross Road-Extn						
	LHS Ch.0.0 to Ch.160.0-Footpath	Dm	1	160			160.00
	RHS	Rm	1	160			160.00
		Dm	1	120			120.00
	Ch.20.0 to Ch.150.0-Footpath	Rm	1	130			130.00
	Basil 40 J M 4st Oscar Basil						
	Road 13-J.M 1st Cross Road						
	Ch.60.0 to Ch.150.0-Footpath	Rm	1	90			90.00
	Desid 45 Minutes Official Desid						
	Road 15-Mission Street Road						
	RHS	Den	4	5			F 00
	Ch.40.0 to Ch.35.0-Footpath	Rm Rm	1	5			5.00
		KIII		Total Qty.			3025.50
4	KSRRB M200-13.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. II. By Mechanical Means. A. Cement Concrete Grade M-15 &M-20. MORTH Specification No. 202 (KPWD SOR 18-19,S.I.18.20)						
	SWD						
1	Road No.1-GHS Road						
	SWD-Base	Cum	1		1.30	0.15	72.15
	SWD-Wall	Cum	2		0.20	0.90	133.20
	SWD-Slab	Cum	1	370.00	1.10	0.15	61.05
2	Road No.2-P.M.Rao Road						
	SWD-Base	Cum	2		1.35	0.15	72.09
	SWD-Wall	Cum	4		0.20	1.10	156.64
	SWD-Slab	Cum	2		1.15	0.15	61.41
3	Road No.3-Sharavu Temple Road						
	SWD-Base	Cum	2	194.00	0.90	0.15	52.38
	SWD-Wall	Cum	4	194.00	0.20	1.10	170.72
	SWD-Slab	Cum	2		0.70	0.15	40.74
4	Road No.4-G.H.S. Cross Road						
	SWD-Base	Cum	1	180.00	1.10	0.15	29.70
	SWD-Wall	Cum	2		0.20	1.00	192.80
	SWD-Slab	Cum	1		0.90	0.15	65.07
5	Road No.5-Vithoba Temple Road						
-	SWD-Base	Cum	2	482.00	1.10	0.15	159.06
	SWD-Wall	Cum	4		0.20	1.00	385.60
	SWD-Slab	Cum	2		0.90	0.15	130.14
7	Road No.7-Maidan 1st Cross Road						
	SWD-Base	Cum	1	90.00	1.10	0.15	14.85
	SWD-Wall	Cum	2	90.00	0.20	1.00	36.00
	SWD-Slab	Cum	1	90.00	0.90	0.15	12.15
8	Road No.8-Maidan 3rd Cross Road						
	SWD-Base	Cum	2	186.00	1.10	0.15	61.38
	SWD-Wall	Cum	4	186.00	0.20	1.00	148.80
	SWD-Slab	Cum	2	186.00	0.90	0.15	50.22
9	Road No.9-Bibi Alabi Road						
	SWD-Base	Cum	2	440.00	1.10	0.15	145.20
	SWD-Wall	Cum	4	440.00	0.20	1.00	352.00
	SWD-Slab	Cum	2	440.00	0.90	0.15	118.80
10	Road 10-Bibi Alabi-Kandak Road						
	SWD-Base	Cum	1		1.10	0.15	75.90
	SWD-Wall	Cum	2		0.20	1.00	184.00
	SWD-Slab	Cum	1	460.00	0.90	0.15	62.10
1	Road 11-Maidan 4th Cross Road-Extn						
	SWD-Base	Cum	1		1.10	0.15	32.18
	SWD-Wall	Cum	2	195.00	0.20	1.00	78.00
	SWD-Slab	Cum	1		0.90	0.15	26.33
12	Road 13-J.M 1st Cross Road						
	SWD-Base	Cum	1		1.10	0.15	39.27
	SWD-Wall	Cum	2		0.20	1.00	95.20
	SWD-Slab	Cum	1		0.90	0.15	32.13
13	Road 15-Mission Street Road			Τ			
	SWD-Base	Cum	1		1.10	0.15	33.00
	SWD-Wall	Cum	2		0.20	1.00	80.00
	SWD-Slab	Cum	1	200.00	0.90	0.15	27.00
				<u> </u>			
	Cross Drain			<u> </u>			
	Box Culvert			<u> </u>			
1	Road No.1-GHS Road	~		<u> </u>			
	Box Culvert-Slab	Cum	6		1.00	0.20	30.24
	Box Culvert-Wall	Cum	6	25.2	1.00	0.20	30.24
2	Road No.2-P.M.Rao Road	-		ļ ļ			
	Box Culvert-Slab	Cum	4		1.00	0.20	13.28
_	Box Culvert-Wall	Cum	4	16.6	1.00	0.20	13.28
3	Road No.3-Sharavu Temple Road			ļ			
	Box Culvert-Slab	Cum	4	18.8	1.50	0.20	22.56
	Box Culvert-Wall	Cum	4	18.8	1.50	0.20	22.56

Dim Description Dim No. 4 4 6 5 5 5 7 3 Roc Cluster Wall Cum 4 1.64 1.60 0.20 17.70 5 Roc Cluster Wall Cum 4 1.64 1.60 0.20 9.72 5 Roc Cluster Wall Cum 4 1.61 1.50 0.20 9.72 5 Roc Cluster Wall Cum 4 1.61 1.50 0.20 9.72 5 Roc Cluster Wall Cum 4 1.61 1.50 0.20 9.72 6 Roc Wall Roc Roc Wall Cum 4 1.63 1.60 0.20 9.70 6 Roc Wall Roc Roc Wall Cum 4 1.63 1.60 0.20 6.76 7 Roc Wall Roc Roc Wall	Sr. No.	Description	Unit	No's	L	В	Н	Qty.
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5 Road Mo.5 Vitebols Tample Road Curr 4 6.1 158 0.02 0.72 5 Road Mo.7 Maldes tol Cross Road Curr 4 6.1 158 0.02 6.7 6 Curr 14.6 150 0.02 6.7 0.02 6.7 6 Curr 2 14.6 150 0.02 6.7 6 Curr 2 14.6 150 0.02 6.7 6 Curr 2 14.6 150 0.02 6.7 7 Road Mo.5 Mall Abili Allow Allow Curr 4 15.5 1.50 0.02 19.08 8 Road Yulai Abili Abili Allow Allow Curr 6 20.2 16.0 0.02 16.0 0.02 40.05 8 Road Yulai Abili Abili Allow Allow Curr 8 2.84 1.80 0.02 1.60 0.02 40.05 8 Road Yulai Abili Abili Allow Allow Curr 6 1.03 1.50 0.02								
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6 Road No.6 Matching and Cross Read								
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Box Curvet Wall Curvet 4 150 1.50 0.20 1008 R Rod 0-Bibl Mable Kanda Read Curvet 8 24. 1.50 0.50 06.16 Box Curvet-Slab Curvet-Slab Curvet-Slab 8 20.4 1.50 0.20 8.4.56 Box Curvet-Slab Curvet-Slab Curvet-Slab 8 20.4 1.50 0.20 8.4.56 Box Curvet-Slab Curvet-Slab Curvet-Slab 21.5 1.50 0.20 8.4.56 Box Curvet-Wall Curvet-Slab Curvet-Slab Curvet-Slab 21.5 1.50 0.20 1.8.54 Box Curvet-Wall Curvet-Slab Curvet-Slab Curvet-Slab 21.6 1.50 0.20 25.80 Box Curvet-Wall Curvet-Slab Curvet-Slab Curvet-Slab 21.6 1.50 0.20 25.83 Box Curvet-Slab Curvet-Slab Curvet-Slab Curvet-Slab 21.4 1.50 0.22 25.83 Box Curvet-Slab Curvet-Slab Curvet-Slab Cu	0		Cum	1	15.0	1.50	0.20	10.08
7 Road No.9 Bih Jakh Road 0 0 0 Box Culture/Vall Box Culture/Vall 0								
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11 Read 15-Mitission Street Road 0 1 0 <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>								
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Cum Total Gty. 4104.22 KSRRB M200-17.2. Dismantling of existing structures like culverts, bridges, retaining walk and other structure comprising of masonry, osment concrete, wood work, steel work, including TAP and scattolding wherever incessary, sorting the dismantled in all lits complete as per specifications. 'Stopped mass per specifications. 'Stopped mass per specifications' Stopped mass per specifications' Stopped mass per specifications' Stopped mass per specifications. 'Stopped mass per specifications' Stopped mass per specification' Stopped mass per specification's MoRTH ' Section's DtANK'S B No. 19. 50) Stopped mass per specification's MoRTH ' Section's DtANK'S B No. 19. 50) Stopped mass per specification's MoRTH ' Section's DtANK'S B No. 19. 50) Stopped mass per specification's MoRTH ' Section's DtANK'S B No. 19. 50) Stopped mass per specification's DtANK'S B No. 19. 50) Stopped mass per specification's DtANK'S B No. 19. 50) Stopped mass per specification's DtANK'S B No. 19. 50) Stopped mass per specification's DtANK'S B No. 19. 50) Stopped mass per specification's DtANK'S B No. 19. 50) Stopped mass per specification's DtANK'S B No. 19. 50) Stopped mass per specination	L							
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wells and other structure complising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantide material, disposal of unserviceable material and stacking the serviceable material with all its complete as per specifications. Vigosal Oscillation up to a dismembering. (KPVD SOR 18-19.18.33) Rm Kg/Rm Kg - Footpath Railing 0 Rm Kg/Rm Kg -								
work, including T&P and satisfying besivicable material and stacking the servicable material and stacking the desivicable material with all lifts complete as per specifications. V/Steel work in all types of Sections up to a lift of 5 m above pinth level excluding Cutting of Rivet – B. Excluding dismembering. Rm Kg/Rm Kg Footpath Railing Rm Kg/Rm Kg								
material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. Sylcele work, inal types of Sections up to a Height of 5 m above plinth leval excluding Cutting of Rivet- B. Excluding dismembering. (RPWD SOR 18-19,18.33) Rm. Kg/Rm. Kg Footpath Railing Rm. Kg/Rm. Kg 5000 5.00 Bus Shelter 100 50 5000 5.00 5.00 Bus Shelter Nos. MitNos 2.20 KRRB 300-50. Scartifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by road roller attached with scarifier without disturbing the base and stacking the debris including cost of all labour charges, HOM of machineries complete as per specifications. MORTH / Section 5 (KSRRB SI No.19 56) MT 2 1.1 4070.00 1 GHS Road Sgm 1 370 11 4070.00 2 P.M.Rao Road Sgm 1 194 8.2 2566.40 3 GHS Road Sgm 1 194 8.2 2566.40 4 GHS Cross Road Sgm 1 180 11 2046.00 5 Mitada 14 Cross Road Sgm								
5 Bill ifts complete as per specifications. VSRel work in all types of Sections upto a dismembering. (KPWD SOR 18-19, 18.33) Rm Kg/Rm Kg Footpath Railing Rm Kg/Rm Kg								
b Height of S m above plinth level excluding Cutting of Rivet- B. Excluding dismethening. (RPWD SOR 18-19,18.33) Rm Kg/Rm Kg Footpath Railing Rm Kg/Rm Kg								
Height of Sin above plinin level excluding Cutting of Rivet- B. Excluding dismethering. Kg/Rm Kg (KPVU SOR 18-19,16.33) 100 50 5000 5.00 Bus Shelter Nos. MiNos 2.0 100 50 5000 5.00 Bus Shelter Nos. MiNos 2.1 7.2 2.0 Complete as per specifications. Journal provide ratached with earlier without disong with premix campet specifications. MORTH / Section 5,(KSRRB SI No.19.56) MT 7.1 4070.00 1 GHS Road Sigm 1 1778 12 2186.00 2 P.M. Rao Road Sigm 1 1778 12 2186.00 3 Shatavu Tample Road Sigm 1 1778 12 2186.00 4 GHS Cose Road Sigm 1 1778 12 2186.00 5 Vithoda Tample Road Sigm 1 1778 12 2186.00 6 Box Road Sigm 1 169 10.2 1886.00 6 Sigm	-	all lifts complete as per specifications. v)Steel work in all types of Sections upto a						
KPWD SOR 18-19,18.33) Rm Kg/Rm Kg Footpath Railing Nos. MitNos 200 5000 5000 Bus Shelter 2 1.1 Total 7.2 KSRRB 300-50. Scartlying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by road roller attached with scarfier without disturbing the base and stacking the debins including cost of all labour charges, HOM of machineries complete as per specifications. MORTH / Section 5.(KSRB SI No.19.56) Total 7.2 1 GHS Road Sgm 1 117 14 4070.00 2 P.M.Rao Road Sgm 1 118 12 2136.00 3 Sharavu Temple Road Sgm 1 180 10.2 1385.08 4 GHS Cross Road Sgm 1 180 10.2 1386.00 5 Vithoba Temple Road Sgm 1 142 5.2 266.40 8 Bibl Alabi Road Sgm 1 180 11.2 246.00 9 Bibl Alabi Road Sgm 1 128 5.2 126.40	5	Height of 5 m above plinth level excluding Cutting of Rivet- B. Excluding						
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10 Maidan 4th Cross Road-Extn. Sqm 2 195 9.6 3744.00 11 J.M.1st Cross Road Sqm 2 238 5.2 2475.20 12 Mission Street Road-Extn. Sqm 2 200 6.2 2480.00	$ \begin{array}{c} 2 \\ 3 \\ 4 \\ 5 \\ 6 \\ 7 \\ 8 \\ 9 \\ 10 \\ 11 \\ 12 \\ 7 \\ 7 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 6 \\ 7 \\ 7 \\ 7 \\ 7 \\ 7 \\ 7 \\ 7 \\ 7 \\ 7 \\ 7$	GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Mission Street Road-Extn. J.M.1st Cross Road KSRRB 300-46. Scarifying stone metal crust 50mm to 100mm thick by road roller with scarifier along with 20mm premix carpet / surface dressing and stacking of old serviceable materials including cost of all labour charges, HOM of machinaries complete as per specifications. MORTH / Section 5. (KSRRB SI No.19.52) GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Mitadan 1st Cross Road Maidan 1st Cross Road	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	178 194 180 482 90 186 440 460 195 238 200 Total Qty. Total Qty. 370 Total Qty. 482 90 186	12 8.2 10.2 5.2 14.1 11 23 6.6 9.6 5.2 6.2 6.2 6.2 11 11 12 8.2 10.2 5.2 14.1 11		2136.00 1590.80 1836.00 2506.40 1269.00 2046.00 0.00 3036.00 1872.00 1237.60 1240.00 22839.80 8140.00 4272.00 3181.60 3672.00 5012.80 2538.00 4092.00
11 J.M.1st Cross Road Sqm 2 238 5.2 2475.20 12 Mission Street Road-Extn. Sqm 2 200 6.2 2480.00	$ \begin{array}{c} 2 \\ 3 \\ 4 \\ 5 \\ 6 \\ 7 \\ 8 \\ 9 \\ 10 \\ 11 \\ 12 \\ 7 \\ 7 \\ 7 \\ 6 \\ 7 \\ 8 \\ 6 \\ 7 \\ 8 \\ 8 \\ 7 \\ 8 \\ 7 \\ 8 \\ 7 \\ 8 \\ 7 \\ 8 \\ 7 \\ 8 \\ 7 \\ 8 \\ 7 \\ 8 \\ 7 \\ 8 \\ 8 \\ 7 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8 \\ 8$	GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Midan 4th Cross Road Mission Street Road-Extn. J.M.1st Cross Road KSRRB 300-46. Scarifying stone metal crust 50mm to 100mm thick by road roller with scarifier along with 20mm premix carpet / surface dressing and stacking of old serviceable materials including cost of all labour charges, HOM of machinaries complete as per specifications. MORTH / Section 5. (KSRRB SI No.19.52) GHS Road P.M.Rao Road Sharavu Temple Road KSRRB 300-46. Scarifying Stone MORTH / Section 5. (KSRRB SI No.19.52) GHS Road P.M.Rao Road Sharavu Temple Road Maidan 3rd Cross Road Bibi Alabi Road	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	178 194 180 482 90 186 440 460 195 238 200 Total Qty. Total Qty. 370 178 194 180 482 90 186 440	12 8.2 10.2 5.2 14.1 11 23 6.6 9.6 5.2 6.2 6.2 6.2 11 12 8.2 10.2 5.2 6.2 10.2 10.2 10.2 14.1 11 23		2136.00 1590.80 1836.00 2506.40 1269.00 2046.00 0.00 3036.00 1872.00 1237.60 1240.00 22839.80 2839.80 8140.00 4272.00 3181.60 3672.00 5012.80 2538.00 4092.00 0.00
12 Mission Street Road-Extn. Sqm 2 200 6.2 2480.00	$ \begin{array}{c} 2\\ 3\\ 4\\ 5\\ 6\\ 7\\ 8\\ 9\\ 10\\ 11\\ 12\\ 7\\ 7\\ 1\\ 2\\ 3\\ 4\\ 5\\ 6\\ 7\\ 8\\ 9\\ 9\\ \end{array} $	GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 3rd Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road-Extn. J.M.1st Cross Road-Extn. KSRRB 300-46. Scarifying stone metal crust 50mm to 100mm thick by road roller with scarifier along with 20mm premix carpet / surface dressing and stacking of old serviceable materials including cost of all labour charges, HOM of machinaries complete as per specifications. MORTH / Section 5. (KSRRB SI No.19.52) GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 3rd Cross Road Bibi Alabi Road	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1	178 194 180 482 90 186 440 460 195 238 200 Total Qty. Total Qty. 370 178 194 180 482 90 186 440	12 8.2 10.2 5.2 14.1 11 23 6.6 9.6 5.2 6.2 6.2 6.2 6.2 11 11 12 8.2 10.2 5.2 14.1 11 23 6.6		2136.00 1590.80 1836.00 2506.40 1269.00 2046.00 0.00 3036.00 1872.00 1237.60 1240.00 22839.80 8140.00 4272.00 3181.60 3672.00 5012.80 2538.00 4092.00 0.00 6072.00
	$ \begin{array}{c} 2\\ 3\\ 4\\ 5\\ 6\\ 7\\ 8\\ 9\\ 10\\ 11\\ 12\\ 7\\ 7\\ 1\\ 2\\ 3\\ 4\\ 5\\ 6\\ 7\\ 8\\ 9\\ 10\\ 10\\ 10\\ 10\\ 10\\ 10\\ 10\\ 10\\ 10\\ 10$	GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Mission Street Road-Extn. J.M.1st Cross Road KSRRB 300-46. Scarifying stone metal crust 50mm to 100mm thick by road roller with scarifier along with 20mm premix carpet / surface dressing and stacking of old serviceable materials including cost of all labour charges, HOM of machinaries complete as per specifications. MORTH / Section 5. (KSRRB SI No.19.52) GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Middan 1st Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Sharavu Temple Road Bibi Alabi Road Bib	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	178 194 180 482 90 186 440 460 195 238 200 Total Qty. Total Qty. 370 178 194 180 482 90 186 440 440	12 8.2 10.2 5.2 14.1 1 23 6.6 9.6 5.2 6.2 6.2 6.2 6.2 6.2 6.2 11 11 12 8.2 10.2 5.2 14.1 11 12 8.2 10.2 5.2 6.6 9.6 6.6 9.6 9.6 9.6 9.6 9.6 9.6 9.6		2136.00 1590.80 1836.00 2506.40 1269.00 2046.00 0.00 3036.00 1872.00 1237.60 1240.00 22839.80 2839.80 8 140.00 4272.00 3181.60 3672.00 5012.80 2538.00 4092.00 0.00 6072.00 3744.00
Sqm Total Qty. 45679.60	$ \begin{array}{c} 2\\ 3\\ 4\\ 5\\ 6\\ 7\\ 8\\ 9\\ 10\\ 11\\ 12\\ 7\\ 7\\ 1\\ 2\\ 3\\ 4\\ 5\\ 6\\ 7\\ 8\\ 9\\ 10\\ 11\\ 12 \end{array} $	GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Bibi Alabi - Kanadak Road KSRRB 300-46. Scarifying stone metal crust 50mm to 100mm thick by road roller with scarifier along with 20mm premix carpet / surface dressing and stacking of old serviceable materials including cost of all labour charges, HOM of machinaries complete as per specifications. MORTH / Section 5. (KSRRB SI No.19.52) GHS Road P.M.Rao Road GHS Cross Road Sharavu Temple Road GHS Cross Road Bibi Alabi - Kanadak Road Maidan 1st Cross Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road Bibi Alabi - Kanadak Road Bibi Alabi - Kana	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 1 1 1 1 1 1 1 1 1	178 194 180 482 90 186 440 460 195 238 200 Total Qty. 7 otal Qty. 370 178 194 180 482 90 186 440 460 195 238	12 8.2 10.2 5.2 14.1 23 6.6 9.6 5.2 6.2 6.2 6.2 6.2 6.2 10.2 5.2 10.2 5.2 14.1 11 11 23 6.6 9.6 9.6 9.6 9.6 5.2		2136.00 1590.80 1590.80 1269.00 2046.00 0.00 3036.00 1872.00 1237.60 1240.00 22839.80 2839.80 8 140.00 4272.00 3181.60 3672.00 5012.80 2538.00 4092.00 0.00 6072.00 3744.00 2475.20
	$ \begin{array}{c} 2\\ 3\\ 4\\ 5\\ 6\\ 7\\ 8\\ 9\\ 10\\ 11\\ 12\\ 7\\ 7\\ 1\\ 2\\ 3\\ 4\\ 5\\ 6\\ 7\\ 8\\ 9\\ 10\\ 11\\ 12 \end{array} $	GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Bibi Alabi - Kanadak Road KSRRB 300-46. Scarifying stone metal crust 50mm to 100mm thick by road roller with scarifier along with 20mm premix carpet / surface dressing and stacking of old serviceable materials including cost of all labour charges, HOM of machinaries complete as per specifications. MORTH / Section 5. (KSRRB SI No.19.52) GHS Road P.M.Rao Road GHS Cross Road Sharavu Temple Road GHS Cross Road Bibi Alabi - Kanadak Road Maidan 1st Cross Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road Bibi Alabi - Kanadak Road Bibi Alabi - Kana	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 1 1 1 1 1 1 1 1 1	178 194 180 482 90 186 440 460 195 238 200 Total Qty. 7 otal Qty. 370 178 194 180 482 90 186 440 460 195 238	12 8.2 10.2 5.2 14.1 23 6.6 9.6 5.2 6.2 6.2 6.2 6.2 11 11 12 8.2 10.2 5.2 14.1 11 23 6.6 9.6 9.6 9.6 9.6 25.2 14.1		2136.00 1590.80 1590.80 1269.00 2046.00 0.00 3036.00 1872.00 1237.60 1240.00 22839.80 22839.80 22839.80 4092.00 5012.80 2538.00 4092.00 0.00 6072.00 3744.00 2475.20 2480.00
	$ \begin{array}{c} 2\\ 3\\ 4\\ 5\\ 6\\ 7\\ 8\\ 9\\ 10\\ 11\\ 12\\ 7\\ 7\\ 1\\ 2\\ 3\\ 4\\ 5\\ 6\\ 7\\ 8\\ 9\\ 10\\ 11\\ 12 \end{array} $	GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Bibi Alabi - Kanadak Road KSRRB 300-46. Scarifying stone metal crust 50mm to 100mm thick by road roller with scarifier along with 20mm premix carpet / surface dressing and stacking of old serviceable materials including cost of all labour charges, HOM of machinaries complete as per specifications. MORTH / Section 5. (KSRRB SI No.19.52) GHS Road P.M.Rao Road GHS Cross Road Sharavu Temple Road GHS Cross Road Bibi Alabi - Kanadak Road Maidan 1st Cross Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road Bibi Alabi - Kanadak Road Bibi Alabi - Kana	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 1 1 1 1 1 1 1 1 1	178 194 180 482 90 186 440 460 195 238 200 Total Qty. 7 otal Qty. 370 178 194 180 482 90 186 440 460 195 238	12 8.2 10.2 5.2 14.1 23 6.6 9.6 5.2 6.2 6.2 6.2 6.2 11 11 12 8.2 10.2 5.2 14.1 11 23 6.6 9.6 9.6 9.6 9.6 25.2 14.1		2136.00 1590.80 1590.80 1269.00 2046.00 0.00 3036.00 1872.00 1237.60 1240.00 22839.80 22839.80 22839.80 4092.00 5012.80 2538.00 4092.00 0.00 6072.00 3744.00 2475.20 2480.00

Sr. No.	Description	Unit	No's		В	Н	Qty.
	KSRRB M200-12.1. Dismantling of existing structures like culverts, bridges, retaining	Unit	110.5	<u> </u>	Ь		ωιγ.
	walls and other structure comprising of masonary, cement concrete, woodwork, steel						
	work, including T&P and scaffolding wherever necessary, sorting the dismantled						
8	material, disposal of unserviceable material and stacking the serviceable material with						
U	all lifts complete as per specifications.						
	i)Dismantaling Brick/Tile work B.In Cement mortar						
	(SI No : 18.23)						
	Provisional Qty	Cum	1	10	0.23	1.00	2.30
		Cum		Total Qty.	0.20	1.00	2.30
		ouiii		Total Qty.			2.50
9	Removing B.S slab of drain and stacking.(PWD 18-19,5.32,Page No.32)						
1		Cam		070	1.0		444.00
1 2	GHS Road P.M.Rao Road	Sqm	1		<u>1.2</u> 1.2		444.00
3	Sharavu Temple Road	Sqm Sqm	2		1.2		465.60
4	GHS Cross Road	Sqm	1		1.2		216.00
5	Vithoba Temple Road	Sqm	2		1.2		1156.80
7	Maidan 1st Cross Road	Sqm	1		1.2		108.00
8	Maidan 3rd Cross Road	Sqm	2		1.2		446.40
9	Bibi Alabi Road	Sqm	2		1.2		1056.00
10	Bibi Alabi - Kanadak Road	Sqm	1		1.2		552.00
11	Maidan 4th Cross Road-Extn.	Sqm	1		1.2		234.00
13	J.M.1st Cross Road	Sqm	1		1.2		285.60
15	Mission Street Road-Extn.	Sqm	1		1.2		240.00
		Sqm		Total Qty.	=	·	5631.60
	KSRRB M800-Permanent type barricade in construction zone KSRRB M800-44.1.						
	Construction of a permanent type barricade made of steel components, 1.5 m high						
	from road level, fitted with 3 horizontal rails 200 mm wide and 4 m long on 50 x 50 x 5						
10	mm angle iron vertical support, painted with yellow and white strips, 150 mm in width						
10	at an angle of 45°, complete as per IRC:SP:55-2014 complete as per specifications .						
	A. With steel components (SI No : 24.45)						
	Longth of Dood					<u>├</u> ───┤	
	Length of Road	Dm		050.00			4000.00
	Considered 250m length at 3 locations work will be in progress	Rm	4	250.00			1000.00
						Total Length	1000.00
	No. of Barricade = Length of Road / Length of one barricade (4.0m)			- I			
	No. of Barricade = Length of Road / Length of one barricade (4.011)	Nos.			Total Qty		250.00
					-		
	KSRRB M300-14. Excavation for roadwork in all types of soil with hydraulic excavator						
	of 0.9 bucket capacity including cutting and loading in tippers, trimming bottom and						
	side slopes, in accordance with requirements of lines and grades and cross						
11	side slopes in accordance with requirements of lines and grades and cross sections, and transporting disposal location up to a lead of 5.00Km and complete as						
11	side slopes, in accordance with requirements of lines and grades and cross sections, and transporting disposal location up to a lead of 5.00Km and complete as per specifications.						
11	side slopes,in accordance with requirements of lines and grades and cross sections,and transporting disposal location up to a lead of 5.00Km and complete as per specifications. MORTH specification No.301						
11	side slopes, in accordance with requirements of lines and grades and cross sections, and transporting disposal location up to a lead of 5.00Km and complete as per specifications.						
11	side slopes in accordance with requirements of lines and grades and cross sections, and transporting disposal location up to a lead of 5.00Km and complete as per specifications. MORTH specification No.301 (SI No : 19.14)						
11	side slopes in accordance with requirements of lines and grades and cross sections, and transporting disposal location up to a lead of 5.00Km and complete as per specifications. MORTH specification No.301 (SI No : 19.14) Road No.1-GHS Road						
11	side slopes in accordance with requirements of lines and grades and cross sections, and transporting disposal location up to a lead of 5.00Km and complete as per specifications. MORTH specification No.301 (SI No : 19.14)	Cum		10	5.7	0.65	37.05
11	side slopes,in accordance with requirements of lines and grades and cross sections,and transporting disposal location up to a lead of 5.00Km and complete as per specifications. MORTH specification No.301 (SI No : 19.14) Road No.1-GHS Road Road No.1	Cum	1		5.7	0.65	37.05
11	side slopes,in accordance with requirements of lines and grades and cross sections,and transporting disposal location up to a lead of 5.00Km and complete as per specifications. MORTH specification No.301 (SI No : 19.14) Road No.1-GHS Road Road No.1 Ch.0 to Ch.10.00 Ch.10.0 to Ch.60.00			50		0.65	
11	side slopes,in accordance with requirements of lines and grades and cross sections,and transporting disposal location up to a lead of 5.00Km and complete as per specifications. MORTH specification No.301 (SI No : 19.14) Road No.1-GHS Road Road No.1 Ch.0 to Ch.10.00	Cum	1	50 50	5.7	0.65	185.25
11	side slopes,in accordance with requirements of lines and grades and cross sections,and transporting disposal location up to a lead of 5.00Km and complete as per specifications. MORTH specification No.301 (SI No : 19.14) Road No.1-GHS Road Road No.1 Ch.0 to Ch.10.00 Ch.10.0 to Ch.60.00 Ch.60.00 to Ch.110.00	Cum Cum	1	50 50	5.7 5.7	0.65 0.65	185.25 185.25
11	side slopes,in accordance with requirements of lines and grades and cross sections,and transporting disposal location up to a lead of 5.00Km and complete as per specifications. MORTH specification No.301 (SI No : 19.14) Road No.1-GHS Road Road No.1 Ch.0 to Ch.10.00 Ch.10.0 to Ch.60.00 Ch.60.00 to Ch.110.00	Cum Cum	1	50 50	5.7 5.7	0.65 0.65	185.25 185.25
11	side slopes,in accordance with requirements of lines and grades and cross sections,and transporting disposal location up to a lead of 5.00Km and complete as per specifications. MORTH specification No.301 (SI No : 19.14) Road No.1-GHS Road Road No.1 Ch.0 to Ch.10.00 Ch.10.0 to Ch.60.00 Ch.10.0 to Ch.10.00 Ch.10.0 to Ch.10.00	Cum Cum	1	50 50	5.7 5.7	0.65 0.65 0.65	185.25 185.25
11	side slopes,in accordance with requirements of lines and grades and cross sections,and transporting disposal location up to a lead of 5.00Km and complete as per specifications. MORTH specification No.301 (SI No : 19.14) Road No.1-GHS Road Road No.1 Ch.0 to Ch.10.00 Ch.10.0 to Ch.60.00 Ch.10.0 to Ch.110.00 Ch.10.0 to Ch.110.00 Ch.110.0 to Ch.160.00 Road No.2-P.M.Rao Road	Cum Cum Cum	1 1 1	50 50 50 50 50	5.7 5.7 5.7	0.65 0.65 0.65 0.65	185.25 185.25 185.25
11	side slopes,in accordance with requirements of lines and grades and cross sections,and transporting disposal location up to a lead of 5.00Km and complete as per specifications. MORTH specification No.301 (SI No : 19.14) Road No.1-GHS Road Road No.1 Ch.0 to Ch.10.00 Ch.10.0 to Ch.60.00 Ch.60.00 to Ch.110.00 Ch.110.0 to Ch.160.00 Road No.2-P.M.Rao Road Ch.0.0 to Ch.50.0	Cum Cum Cum Cum	1 1 1	50 50 50 50 50 50 50	5.7 5.7 5.7 7.165	0.65 0.65 0.65 0.65 0.65	185.25 185.25 185.25 232.86
11	side slopes,in accordance with requirements of lines and grades and cross sections,and transporting disposal location up to a lead of 5.00Km and complete as per specifications. MORTH specification No.301 (SI No : 19.14) Road No.1-GHS Road Road No.1 Ch.0 to Ch.10.00 Ch.10.0 to Ch.60.00 Ch.60.00 to Ch.110.00 Ch.110.0 to Ch.160.00 Road No.2-P.M.Rao Road Ch.0.0 to Ch.50.0 Ch.50.0 to Ch.100.00	Cum Cum Cum Cum Cum	1 1 1 1 1 1	50 50 50 50 50 50 50	5.7 5.7 5.7 7.165 7.33	0.65 0.65 0.65 0.65 0.65	185.25 185.25 185.25 232.86 238.23
11	side slopes,in accordance with requirements of lines and grades and cross sections,and transporting disposal location up to a lead of 5.00Km and complete as per specifications. MORTH specification No.301 (SI No : 19.14) Road No.1-GHS Road Road No.1 Ch.0 to Ch.10.00 Ch.10.0 to Ch.60.00 Ch.60.00 to Ch.110.00 Ch.110.0 to Ch.160.00 Road No.2-P.M.Rao Road Ch.0.0 to Ch.50.0 Ch.50.0 to Ch.100.00	Cum Cum Cum Cum Cum	1 1 1 1 1 1	50 50 50 50 50 50 50	5.7 5.7 5.7 7.165 7.33	0.65 0.65 0.65 0.65 0.65	185.25 185.25 185.25 232.86 238.23
11	side slopes,in accordance with requirements of lines and grades and cross sections,and transporting disposal location up to a lead of 5.00Km and complete as per specifications. MORTH specification No.301 (SI No : 19.14) Road No.1-GHS Road Road No.1 Ch.0 to Ch.10.00 Ch.10.0 to Ch.60.00 Ch.10.0 to Ch.10.00 Ch.10.0 to Ch.10.00 Ch.10.0 to Ch.160.00 Road No.2-P.M.Rao Road Ch.0.0 to Ch.100.00 Ch.50.0 to Ch.145.0.0 Ch.100.0 to Ch.145.0.0 Ch.100.0 to Ch.145.0.0 Road No.3-Sharavu Temple Road Ch.0.0 to Ch.30.0	Cum Cum Cum Cum Cum Cum Cum		50 50 50 50 50 50 45 	5.7 5.7 5.7 7.165 7.33 7.165 6.22	0.65 0.65 0.65 0.65 0.65 0.65 0.65	185.25 185.25 185.25 232.86 238.23 209.58 121.29
11	side slopes,in accordance with requirements of lines and grades and cross sections,and transporting disposal location up to a lead of 5.00Km and complete as per specifications. MORTH specification No.301 (SI No : 19.14) Road No.1-GHS Road Road No.1 Ch.0 to Ch.10.00 Ch.10.0 to Ch.60.00 Ch.10.0 to Ch.10.00 Ch.0.0 to Ch.10.00 Ch.10.0 to Ch.160.00 Ch.0.0 to Ch.100.00 Ch.50.0 to Ch.100.00 Ch.50.0 to Ch.100.00 Ch.50.0 to Ch.145.0.0 Ch.50.0 to Ch.145.0.0 Ch.0.0 to Ch.145.0.0 Ch.30.0 to Ch.80.0	Cum Cum Cum Cum Cum Cum Cum		50 50 50 50 50 50 45 30 50	5.7 5.7 5.7 7.165 7.33 7.165 6.22 6.2	0.65 0.65 0.65 0.65 0.65 0.65 0.65 0.65	185.25 185.25 185.25 232.86 238.23 209.58 121.29 201.50
11	side slopes,in accordance with requirements of lines and grades and cross sections,and transporting disposal location up to a lead of 5.00Km and complete as per specifications. MORTH specification No.301 (SI No : 19.14) Road No.1-GHS Road Road No.1 Ch.0 to Ch.10.00 Ch.10.0 to Ch.60.00 Ch.10.0 to Ch.10.00 Ch.10.0 to Ch.100.00 Ch.10.0 to Ch.160.00 Road No.2-P.M.Rao Road Ch.0.0 to Ch.100.00 Ch.100.0 to Ch.145.00 Road No.3-Sharavu Temple Road Ch.0.0 to Ch.30.0 Ch.30.0 to Ch.30.0	Cum Cum Cum Cum Cum Cum Cum Cum Cum		50 50 50 50 50 45 30 50 50 50 50	5.7 5.7 5.7 7.165 7.33 7.165 6.22 6.22 6.2 6.365	0.65 0.65 0.65 0.65 0.65 0.65 0.65 0.65	185.25 185.25 185.25 232.86 238.23 209.58 121.29 201.50 206.86
11	side slopes,in accordance with requirements of lines and grades and cross sections,and transporting disposal location up to a lead of 5.00Km and complete as per specifications. MORTH specification No.301 (SI No : 19.14) Road No.1-GHS Road Road No.1 Ch.0 to Ch.10.00 Ch.10.0 to Ch.60.00 Ch.10.0 to Ch.10.00 Ch.0.0 to Ch.10.00 Ch.10.0 to Ch.160.00 Ch.0.0 to Ch.100.00 Ch.50.0 to Ch.100.00 Ch.50.0 to Ch.100.00 Ch.50.0 to Ch.145.0.0 Ch.50.0 to Ch.145.0.0 Ch.0.0 to Ch.145.0.0 Ch.30.0 to Ch.80.0	Cum Cum Cum Cum Cum Cum Cum		50 50 50 50 50 45 30 50 50 50 50	5.7 5.7 5.7 7.165 7.33 7.165 6.22 6.2	0.65 0.65 0.65 0.65 0.65 0.65 0.65 0.65	185.25 185.25 185.25 232.86 238.23 209.58 121.29 201.50
11	side slopes,in accordance with requirements of lines and grades and cross sections,and transporting disposal location up to a lead of 5.00Km and complete as per specifications. MORTH specification No.301 (SI No : 19.14) Road No.1-GHS Road Road No.1 Ch.0 to Ch.10.00 Ch.10.0 to Ch.60.00 Ch.10.0 to Ch.10.00 Ch.10.0 to Ch.160.00 Road No.2-P.M.Rao Road Ch.0.0 to Ch.160.00 Ch.50.0 to Ch.145.0.0 Ch.30.0 to Ch.145.0.0 Road No.3-Sharavu Temple Road Ch.0.0 to Ch.80.0 Ch.30.0 to Ch.130.0 Ch.30.0 to Ch.130.0 Ch.130.0 to Ch.185.0	Cum Cum Cum Cum Cum Cum Cum Cum Cum		50 50 50 50 50 45 30 50 50 50 50	5.7 5.7 5.7 7.165 7.33 7.165 6.22 6.22 6.2 6.365	0.65 0.65 0.65 0.65 0.65 0.65 0.65 0.65	185.25 185.25 185.25 232.86 238.23 209.58 121.29 201.50 206.86
11	side slopes,in accordance with requirements of lines and grades and cross sections,and transporting disposal location up to a lead of 5.00Km and complete as per specifications. MORTH specification No.301 (SI No : 19.14) Road No.1-GHS Road Road No.1 Ch.0 to Ch.10.00 Ch.10.0 to Ch.60.00 Ch.60.00 to Ch.110.00 Ch.10.0 to Ch.160.00 Road No.2-P.M.Rao Road Ch.0.0 to Ch.160.00 Ch.50.0 to Ch.100.00 Ch.50.0 to Ch.145.0.0 Road No.3-Sharavu Temple Road Ch.0.0 to Ch.30.0 Ch.30.0 to Ch.130.0 Ch.130.0 to Ch.130.0 Ch.130.0 to Ch.185.0 Road No.4-G.H.S. Cross Road	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum		50 50 50 50 50 50 45 45 30 50 50 55	5.7 5.7 5.7 7.165 7.33 7.165 6.22 6.22 6.365 4.55	0.65 0.65 0.65 0.65 0.65 0.65 0.65 0.65	185.25 185.25 185.25 232.86 238.23 209.58 121.29 201.50 206.86 162.66
11	side slopes,in accordance with requirements of lines and grades and cross sections, and transporting disposal location up to a lead of 5.00Km and complete as per specifications. MORTH specification No.301 (SI No : 19.14) Road No.1-GHS Road Road No.1 Ch.0 to Ch.10.00 Ch.10.0 to Ch.60.00 Ch.10.0 to Ch.100.00 Ch.10.0 to Ch.160.00 Road No.2-P.M.Rao Road Ch.0.0 to Ch.100.00 Ch.50.0 to Ch.100.00 Ch.100.0 to Ch.145.0.0 Road No.3-Sharavu Temple Road Ch.0.0 to Ch.30.0 Ch.30.0 to Ch.130.0 Ch.30.0 to Ch.130.0 Ch.130.0 to Ch.185.0 Road No.4-G.H.S. Cross Road Ch.0.0 to Ch.20.0	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum		50 50 50 50 50 50 45 30 50 50 55 55 20	5.7 5.7 5.7 7.165 7.33 7.165 6.22 6.2 6.365 4.55 6.6	0.65 0.65 0.65 0.65 0.65 0.65 0.65 0.65	185.25 185.25 185.25 232.86 238.23 209.58 121.29 201.50 206.86 162.66 85.80
11	side slopes,in accordance with requirements of lines and grades and cross sections,and transporting disposal location up to a lead of 5.00Km and complete as per specifications. MORTH specification No.301 (SI No : 19.14) Road No.1-GHS Road Road No.1 Ch.0 to Ch.10.00 Ch.10.0 to Ch.60.00 Ch.10.0 to Ch.10.00 Ch.10.0 to Ch.100.00 Ch.10.0 to Ch.160.00 Ch.50.0 to Ch.110.00 Ch.50.0 to Ch.145.0.0 Ch.50.0 to Ch.145.0.0 Road No.3-Sharavu Temple Road Ch.0.0 to Ch.30.0 Ch.30.0 to Ch.130.0 Ch.30.0 to Ch.130.0 Ch.130.0 to Ch.185.0 Road No.4-G.H.S. Cross Road Ch.0.0 to Ch.20.0 Ch.20.0 to Ch.70.0	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum		50 50 50 50 50 50 45 45 30 50 55 55 20 50 50 50	5.7 5.7 5.7 7.165 7.33 7.165 6.22 6.26 6.365 4.55 6.6 6.33	0.65 0.65 0.65 0.65 0.65 0.65 0.65 0.65	185.25 185.25 185.25 232.86 238.23 209.58 121.29 201.50 206.86 162.66 85.80 205.73
	side slopes,in accordance with requirements of lines and grades and cross sections,and transporting disposal location up to a lead of 5.00Km and complete as per specifications. MORTH specification No.301 (SI No : 19.14) Road No.1-GHS Road Road No.1 Ch.0 to Ch.10.00 Ch.10.0 to Ch.60.00 Ch.10.0 to Ch.10.00 Ch.0.0 to Ch.110.00 Ch.0.0 to Ch.160.00 Road No.2-P.M.Rao Road Ch.0.0 to Ch.160.00 Ch.50.0 to Ch.145.0.0 Road No.3-Sharavu Temple Road Ch.0.0 to Ch.130.0 Ch.30.0 to Ch.130.0 Ch.130.0 to Ch.185.0 Road No.4-G.H.S. Cross Road Ch.0.0 to Ch.20.0 Ch.20.0 to Ch.70.0 Ch.20.0 to Ch.70.0	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum		50 50 50 50 50 50 45 45 30 50 50 55 55 50 50 50 50 50	5.7 5.7 5.7 7.165 7.33 7.165 6.22 6.365 4.55 6.6 6.33 6.6	0.65 0.65 0.65 0.65 0.65 0.65 0.65 0.65	185.25 185.25 185.25 232.86 238.23 209.58 121.29 201.50 206.86 162.66 85.80 205.73 214.50
	side slopes,in accordance with requirements of lines and grades and cross sections,and transporting disposal location up to a lead of 5.00Km and complete as per specifications. MORTH specification No.301 (SI No : 19.14) Road No.1-GHS Road Road No.1 Ch.0 to Ch.10.00 Ch.10.0 to Ch.60.00 Ch.10.0 to Ch.10.00 Ch.10.0 to Ch.100.00 Ch.10.0 to Ch.160.00 Ch.50.0 to Ch.110.00 Ch.50.0 to Ch.145.0.0 Ch.50.0 to Ch.145.0.0 Road No.3-Sharavu Temple Road Ch.0.0 to Ch.30.0 Ch.30.0 to Ch.130.0 Ch.30.0 to Ch.130.0 Ch.130.0 to Ch.185.0 Road No.4-G.H.S. Cross Road Ch.0.0 to Ch.20.0 Ch.20.0 to Ch.70.0	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum		50 50 50 50 50 50 45 45 30 50 50 55 55 50 50 50 50 50	5.7 5.7 5.7 7.165 7.33 7.165 6.22 6.26 6.365 4.55 6.6 6.33	0.65 0.65 0.65 0.65 0.65 0.65 0.65 0.65	185.25 185.25 185.25 232.86 238.23 209.58 121.29 201.50 206.86 162.66 85.80 205.73
	side slopes,in accordance with requirements of lines and grades and cross sections, and transporting disposal location up to a lead of 5.00Km and complete as per specifications. MORTH specification No.301 (SI No : 19.14) Road No.1-GHS Road Road No.1 Ch.0 to Ch.10.00 Ch.10.0 to Ch.60.00 Ch.10.0 to Ch.10.00 Ch.10.0 to Ch.160.00 Road No.2-P.M.Rao Road Ch.0.0 to Ch.160.00 Ch.50.0 to Ch.100.00 Ch.50.0 to Ch.145.0.0 Ch.30.0 to Ch.145.0.0 Ch.30.0 to Ch.30.0 Ch.30.0 to Ch.185.0 Road No.4-G.H.S. Cross Road Ch.0.0 to Ch.185.0 Road No.4-G.H.S. Cross Road Ch.0.0 to Ch.20.0 Ch.20.0 to Ch.120.0 Ch.120.0 to Ch.120.0 Ch.120.0 to Ch.180.0	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum		50 50 50 50 50 50 45 45 30 50 50 55 55 50 50 50 50 50	5.7 5.7 5.7 7.165 7.33 7.165 6.22 6.365 4.55 6.6 6.33 6.6	0.65 0.65 0.65 0.65 0.65 0.65 0.65 0.65	185.25 185.25 185.25 232.86 238.23 209.58 121.29 201.50 206.86 162.66 85.80 205.73 214.50
	side slopes,in accordance with requirements of lines and grades and cross sections, and transporting disposal location up to a lead of 5.00Km and complete as per specifications. MORTH specification No.301 (SI No : 19.14) Road No.1-GHS Road Road No.1 Ch.0 to Ch.10.00 Ch.10.0 to Ch.60.00 Ch.60.00 to Ch.110.00 Ch.10.0 to Ch.160.00 Road No.2-P.M.Rao Road Ch.0.0 to Ch.160.00 Ch.50.0 to Ch.100.00 Ch.50.0 to Ch.100.00 Ch.50.0 to Ch.145.0.0 Road No.3-Sharavu Temple Road Ch.0.0 to Ch.80.0 Ch.30.0 to Ch.130.0 Ch.30.0 to Ch.185.0 Road No.4-G.H.S. Cross Road Ch.0.0 to Ch.70.0 Ch.70.0 to Ch.120.0 Ch.70.0 to Ch.120.0 Ch.70.0 to Ch.120.0 Road No.5-Vithoba Temple Road	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum		50 50 50 50 50 50 45 50 50 50 55 50 50 50 50 60	5.7 5.7 5.7 7.165 7.33 7.165 6.22 6.22 6.365 4.55 4.55 6.6 6.33 6.6 6.6 6.6	0.65 0.65 0.65 0.65 0.65 0.65 0.65 0.65	185.25 185.25 185.25 232.86 238.23 209.58 121.29 201.50 206.86 162.66 85.80 205.73 214.50 257.40
	side slopes,in accordance with requirements of lines and grades and cross sections, and transporting disposal location up to a lead of 5.00Km and complete as per specifications. MORTH specification No.301 (SI No : 19.14) Road No.1-GHS Road Road No.1 Ch.0 to Ch.10.00 Ch.10.0 to Ch.10.00 Ch.10.0 to Ch.10.00 Ch.10.0 to Ch.100.00 Ch.10.0 to Ch.160.00 Road No.2-P.M.Rao Road Ch.0.0 to Ch.100.00 Ch.50.0 to Ch.100.00 Ch.100.0 to Ch.145.0.0 Road No.3-Sharavu Temple Road Ch.0.0 to Ch.30.0 Ch.30.0 to Ch.30.0 Ch.30.0 to Ch.130.0 Ch.130.0 to Ch.130.0 Ch.130.0 to Ch.130.0 Ch.130.0 to Ch.130.0 Ch.130.0 to Ch.130.0 Ch.130.0 to Ch.130.0 Ch.20.0 to Ch.120.0 Ch.20.0 to Ch.70.0 Ch.20.0 to Ch.120.0 Ch.70.0 to Ch.120.0 Ch.70.0 to Ch.120.0 Ch.70.0 to Ch.120.0 Ch.70.0 to Ch.120.0 Ch.100.0 to Ch.50.0	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum		50 50 50 50 50 50 45 30 50 50 55 50 50 50 50 50 50	5.7 5.7 5.7 7.165 7.33 7.165 6.22 6.365 4.55 6.66 6.63 6.66 6.63 6.66 6.6	0.65 0.65 0.65 0.65 0.65 0.65 0.65 0.65	185.25 185.25 185.25 232.86 238.23 209.58 121.29 201.50 206.86 162.66 85.80 205.73 214.50 257.40 79.95
	side slopes,in accordance with requirements of lines and grades and cross sections, and transporting disposal location up to a lead of 5.00Km and complete as per specifications. MORTH specification No.301 (SI No : 19.14) Road No.1-GHS Road Road No.1 Ch.0 to Ch.10.00 Ch.10.0 to Ch.60.00 Ch.60.00 to Ch.110.00 Ch.110.0 to Ch.160.00 Road No.2-P.M.Rao Road Ch.00 to Ch.160.00 Ch.50.0 to Ch.100.00 Ch.100.0 to Ch.145.0.0 Road No.3-Sharavu Temple Road Ch.0.0 to Ch.30.0 Ch.30.0 to Ch.130.0 Ch.130.0 to Ch.185.0 Road No.4-G.H.S. Cross Road Ch.0.0 to Ch.70.0 Ch.20.0 to Ch.120.0 Ch.120.0 to Ch.120.0 Ch.120.0 to Ch.120.0 Ch.120.0 to Ch.120.0 Ch.120.0 to Ch.180.0 Road No.5-Vithoba Temple Road Ch.0.0 to Ch.50.0 Ch.50.0 to Ch.100.0	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum		50 50 50 50 50 50 45 30 50 50 55 50 50 50 50 50 50 50 50 50	5.7 5.7 5.7 7.165 7.33 7.165 6.22 6.365 4.55 4.55 6.6 6.6 6.63 6.6 6.6 6.6 6.6 2.46 2.46	0.65 0.65 0.65 0.65 0.65 0.65 0.65 0.65	185.25 185.25 185.25 232.86 238.23 209.58 121.29 201.50 206.86 162.66 85.80 205.73 214.50 257.40 79.95 86.45
	side slopes,in accordance with requirements of lines and grades and cross sections, and transporting disposal location up to a lead of 5.00Km and complete as per specifications. MORTH specification No.301 (SI No : 19.14) Road No.1-GHS Road Road No.1 Ch.0 to Ch.10.00 Ch.10.0 to Ch.60.00 Ch.10.0 to Ch.10.00 Ch.110.0 to Ch.160.00 Road No.2-P.M.Rao Road Ch.0.0 to Ch.100.00 Ch.100.0 to Ch.1450.0 Road No.3-Sharavu Temple Road Ch.0.0 to Ch.30.0 Ch.30.0 to Ch.130.0 Ch.30.0 to Ch.130.0 Ch.130.0 to Ch.185.0 Road No.4-G.H.S. Cross Road Ch.0.0 to Ch.185.0 Road No.4-G.H.S. Cross Road Ch.0.0 to Ch.120.0 Ch.20.0 to Ch.120.0 Ch.20.0 to Ch.120.0 Ch.20.0 to Ch.100.0 Ch.20.0 to Ch.100.0 Ch.20.0 to Ch.100.0 Ch.20.0 to Ch.100.0 Ch.20.0 to Ch.100.0 Ch.100.0 to Ch.150.0 Ch.100.0 to Ch.150.0	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum		50 50 50 50 50 50 45 30 50 50 50 50 50 60 50 50 50 50 50 50 50 50	5.7 5.7 5.7 7.165 7.33 7.165 6.22 6.26 6.365 4.55 6.6 6.33 6.6 6.6 6.63 6.6 6.6 2.46 2.46 2.86	0.65 0.65 0.65 0.65 0.65 0.65 0.65 0.65	185.25 185.25 185.25 232.86 238.23 209.58 121.29 201.50 206.86 162.66 85.80 205.73 214.50 257.40 79.95 86.45 92.95
	side slopes,in accordance with requirements of lines and grades and cross sections, and transporting disposal location up to a lead of 5.00Km and complete as per specifications. MORTH specification No.301 (SI No : 19.14) Road No.1-GHS Road Road No.1 Ch.0 to Ch.10.00 Ch.10.0 to Ch.60.00 Ch.60.00 to Ch.10.00 Ch.10.0 to Ch.10.00 Ch.10.0 to Ch.160.00 Ch.0.0 to Ch.100.00 Ch.100.0 to Ch.145.0.0 Road No.3-Sharavu Temple Road Ch.0.0 to Ch.30.0 Ch.30.0 to Ch.30.0 Ch.30.0 to Ch.185.0 Road No.4-G.H.S. Cross Road Ch.0.0 to Ch.120.0 Ch.20.0 to Ch.120.0 Ch.120.0 to Ch.120.0 Ch.120.0 to Ch.120.0 Ch.20.0 to Ch.120.0 Ch.120.0 to Ch.120.0 Ch.150.0 to Ch.120.0 Ch.150.0 to Ch.120.0 Ch.150.0 to Ch.150.0 Ch.150.0 to Ch.200.0	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum		50 50 50 50 50 50 45 50 50 50 50 50 50 50 50 50 50 50 50 50	5.7 5.7 5.7 7.165 7.33 7.165 6.22 6.22 6.2 6.365 4.55 4.55 6.6 6.63 6.6 6.63 6.6 6.6 6.63 6.6 6.6	0.65 0.65 0.65 0.65 0.65 0.65 0.65 0.65	185.25 185.25 185.25 232.86 238.23 209.58 121.29 201.50 206.86 162.66 85.80 205.73 214.50 257.40 79.95 86.45 92.95 66.95
	side slopes,in accordance with requirements of lines and grades and cross sections, and transporting disposal location up to a lead of 5.00Km and complete as per specifications. MORTH specification No.301 (SI No : 19.14) Road No.1-GHS Road Road No.1-GHS Road Road No.1-GHS Road Road No.1 Ch.0 to Ch.10.00 Ch.10.0 to Ch.60.00 Ch.60.00 to Ch.110.00 Ch.10.0 to Ch.160.00 Ch.00 to Ch.160.00 Ch.00 to Ch.50.0 Ch.50.0 to Ch.100.00 Ch.00.0 to Ch.50.0 Ch.00.0 to Ch.145.0.0 Road No.3-Sharavu Temple Road Ch.0.0 to Ch.30.0 Ch.30.0 to Ch.180.0 Ch.130.0 to Ch.185.0 Road No.4-G.H.S. Cross Road Ch.0.0 to Ch.70.0 Ch.70.0 to Ch.180.0 Ch.70.0 to Ch.180.0 Road No.5-Vithoba Temple Road Ch.0.0 to Ch.100.0 Ch.100.0 to Ch.180.0 Ch.100.0 to Ch.180.0 Ch.100.0 to Ch.180.0 Ch.100.0 to Ch.180.0 Ch.100.0 to Ch.180.0 Ch.20.0 to Ch.180.0 Ch.20.0 to Ch.180.0 Ch.20.0 to Ch.180.0 Ch.20.0 to Ch.180.0 Ch.20.0 to Ch.180.0 Ch.100.0 to Ch.180.0 Ch.100.0 to Ch.180.0 Ch.100.0 to Ch.180.0 Ch.100.0 to Ch.180.0 Ch.20.0 to Ch.180.0 Ch.100.0 to Ch.180.0 Ch.20.0 to Ch.20.0 Ch.20.0 to Ch.20.0	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum		50 50 50 50 50 50 45 30 50 50 50 50 50 50 50 50 50 50 50 50 50	5.7 5.7 5.7 7.165 7.33 7.165 6.22 6.22 6.365 4.55 4.55 6.6 6.633 6.6 6.633 6.6 6.633 6.6 6.633 6.6 6.22 6.335 7.165 7.33 7.165 4.22 6.22 6.22 6.22 6.22 6.22 6.22 6.22	0.65 0.65 0.65 0.65 0.65 0.65 0.65 0.65	185.25 185.25 185.25 232.86 238.23 209.58 121.29 201.50 206.86 162.66 162.66 205.73 214.50 257.40 79.95 86.45 92.95 66.95 102.21
	side slopes,in accordance with requirements of lines and grades and cross sections, and transporting disposal location up to a lead of 5.00Km and complete as per specifications. MORTH specification No.301 (SI No : 19.14) Road No.1-GHS Road Road No.1-GHS Road Road No.1 Ch. 0 to Ch.100.00 Ch.10.0 to Ch.60.00 Ch.100.0 to Ch.160.00 Ch.110.0 to Ch.160.00 Ch.110.0 to Ch.160.00 Ch.100.0 to Ch.160.00 Ch.50.0 to Ch.100.00 Ch.50.0 to Ch.100.00 Ch.100.0 to Ch.145.0.0 Road No.3-Sharavu Temple Road Ch.0.0 to Ch.30.0 Ch.30.0 to Ch.130.0 Ch.30.0 to Ch.130.0 Ch.30.0 to Ch.185.0 Road No.4-G.H.S. Cross Road Ch.0.0 to Ch.185.0 Road No.4-G.H.S. Cross Road Ch.0.0 to Ch.180.0 Ch.120.0 to Ch.180.0 Ch.120.0 to Ch.180.0 Ch.130.0 to Ch.180.0 Ch.130.0 to Ch.180.0 Ch.130.0 to Ch.180.0 Ch.130.0 to Ch.180.0 Ch.100.0 to Ch.180.0 Ch.100.0 to Ch.180.0 Ch.100.0 to Ch.180.0 Ch.100.0 to Ch.180.0 Ch.100.0 to Ch.180.0 Ch.100.0 to Ch.180.0 Ch.120.0 to Ch.200.0 Ch.150.0 to Ch.200.0 Ch.150.0 to Ch.200.0 Ch.150.0 to Ch.200.0 Ch.150.0 to Ch.200.0 Ch.200.0 to Ch.200.0 Ch.200.	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum		50 50 50 50 50 50 50 50 50 50 50 50 50 5	5.7 5.7 5.7 7.165 7.33 7.165 6.22 6.365 4.55 4.55 6.6 6.33 6.6 6.633 6.6 6.633 6.6 6.633 6.6 6.6	0.65 0.65 0.65 0.65 0.65 0.65 0.65 0.65	185.25 185.25 185.25 232.86 238.23 209.58 121.29 201.50 206.86 162.66 85.80 205.73 214.50 257.40 79.95 86.45 92.95 66.95 102.21 83.20
	side slopes,in accordance with requirements of lines and grades and cross sections, and transporting disposal location up to a lead of 5.00Km and complete as per specifications. MORTH specification No.301 (SI No : 19.14) Road No.1-GHS Road Road No.1-GHS Road Road No.1 Ch.0 to Ch.60.00 Ch.10.0 to Ch.10.00 Ch.10.0 to Ch.10.00 Ch.110.0 to Ch.160.00 Ch.100.0 to Ch.160.00 Ch.00 to Ch.160.00 Ch.00 to Ch.160.00 Ch.00 to Ch.160.00 Ch.00 to Ch.160.00 Ch.100.0 to Ch.180.0 Ch.00 to Ch.145.0.0 Road No.3-Sharavu Temple Road Ch.0.0 to Ch.130.0 Ch.30.0 to Ch.130.0 Ch.30.0 to Ch.185.0 Road No.4-G.H.S. Cross Road Ch.0.0 to Ch.20.0 Ch.20.0 to Ch.120.0 Ch.120.0 to Ch.220.0 Ch.220.0 to Ch.240.0 Ch.220.0 to Ch.240.0 Ch.220.0 to Ch.240.0 Ch.220.0	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum		50 50 50 50 50 50 50 50 50 50 50 50 50 5	5.7 5.7 5.7 7.165 7.33 7.165 6.22 6.365 4.55 4.55 6.6 6.6 6.6 6.6 6.6 2.46 2.46 2.46 2.86 2.86 3.931 2.56 2.56	0.65 0.65 0.65 0.65 0.65 0.65 0.65 0.65	185.25 185.25 185.25 185.25 232.86 238.23 209.58 121.29 201.50 206.86 162.66 85.80 205.73 214.50 257.40 79.95 86.45 92.95 66.95 102.21 83.20 83.20
	side slopes,in accordance with requirements of lines and grades and cross sections, and transporting disposal location up to a lead of 5.00Km and complete as per specifications. MORTH specification No.301 (SI No : 19.14) Road No.1-GHS Road Road No.1 Ch.10. to Ch.10.00 Ch.10.0 to Ch.10.00 Ch.10.0 to Ch.10.00 Ch.110.0 to Ch.100.00 Road No.2-P.M.Rao Road Ch.0.0 to Ch.100.00 Ch.50.0 to Ch.100.00 Ch.50.0 to Ch.145.0.0 Road No.3-Sharavu Temple Road Ch.0.0 to Ch.30.0 Ch.30.0 to Ch.30.0 Ch.30.0 to Ch.185.0 Road No.4-G.H.S. Cross Road Ch.0.0 to Ch.180.0 Ch.70.0 to Ch.180.0 Ch.70.0 to Ch.180.0 Ch.70.0 to Ch.180.0 Ch.20.0 to Ch.100.0 Ch.20.0 to Ch.180.0 Ch.20.0 to Ch.20.0 Ch.20.0 to Ch.2	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum		50 50 50 50 50 50 45 50 50 50 50 50 50 50 50 50 50 50 50 50	5.7 5.7 5.7 7.165 7.33 7.165 6.22 6.365 4.55 4.55 4.55 6.66 6.63 6.66 6.63 6.66 6.66 2.866 2.866 2.866 2.931 2.566 2.566 1.86	0.65 0.65 0.65 0.65 0.65 0.65 0.65 0.65	185.25 185.25 185.25 232.86 238.23 209.58 121.29 201.50 206.86 162.66 162.66 85.80 205.73 214.50 257.40 79.95 86.45 92.95 66.95 102.21 83.20 60.45
	side slopes,in accordance with requirements of lines and grades and cross sections, and transporting disposal location up to a lead of 5.00Km and complete as per specifications. MORTH specification No.301 (SI No : 19.14) Road No.1-GHS Road Road No.1-GHS Road Road No.1-GHS Road Ch.0 to Ch.10.00 Ch.10.0 to Ch.10.00 Ch.10.0 to Ch.10.00 Ch.10.0 to Ch.10.00 Ch.50.0 to Ch.110.00 Ch.50.0 to Ch.100.00 Ch.0.0 to Ch.50.0 Ch.0.0 to Ch.50.0 Ch.0.0 to Ch.100.00 Ch.100.0 to Ch.145.0.0 Road No.3-Sharavu Temple Road Ch.0.0 to Ch.130.0 Ch.30.0 to Ch.130.0 Ch.30.0 to Ch.130.0 Ch.30.0 to Ch.130.0 Ch.20.0 to Ch.130.0 Ch.20.0 to Ch.130.0 Ch.20.0 to Ch.120.0 Ch.20.0 to Ch.120.0 Ch.120.0 to Ch.180.0 Ch.20.0 to Ch.20.0 to Ch.20.0 Ch.20.0 to Ch.20.0 to Ch.20.0 to Ch.20.0 Ch.20.0 to Ch.20.0 to	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum		50 50 50 50 50 50 45 30 50 50 50 50 50 50 50 50 50 50 50 50 50	5.7 5.7 5.7 7.165 7.33 7.165 6.22 6.365 4.55 4.55 6.6 6.6 6.6 6.6 6.6 6.6 2.46 2.46 2.46	0.65 0.65 0.65 0.65 0.65 0.65 0.65 0.65	185.25 185.25 185.25 232.86 238.23 209.58 121.29 201.50 206.86 162.66 85.80 205.73 214.50 257.40 79.95 86.45 92.95 66.95 102.21 133.20 83.20 60.45 76.70
	side slopes,in accordance with requirements of lines and grades and cross sections, and transporting disposal location up to a lead of 5.00Km and complete as per specifications. MORTH specification No.301 (SI No : 19.14) Road No.1-GHS Road Road No.1 Ch.10. to Ch.10.00 Ch.10.0 to Ch.10.00 Ch.10.0 to Ch.10.00 Ch.110.0 to Ch.100.00 Road No.2-P.M.Rao Road Ch.0.0 to Ch.100.00 Ch.50.0 to Ch.100.00 Ch.50.0 to Ch.145.0.0 Road No.3-Sharavu Temple Road Ch.0.0 to Ch.30.0 Ch.30.0 to Ch.30.0 Ch.30.0 to Ch.185.0 Road No.4-G.H.S. Cross Road Ch.0.0 to Ch.180.0 Ch.70.0 to Ch.180.0 Ch.70.0 to Ch.180.0 Ch.70.0 to Ch.180.0 Ch.20.0 to Ch.100.0 Ch.20.0 to Ch.180.0 Ch.20.0 to Ch.20.0 Ch.20.0 to Ch.2	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum		50 50 50 50 50 50 45 30 50 50 50 50 50 50 50 50 50 50 50 50 50	5.7 5.7 5.7 7.165 7.33 7.165 6.22 6.365 4.55 4.55 4.55 6.66 6.63 6.66 6.63 6.66 6.66 2.866 2.866 2.866 2.931 2.566 2.566 1.86	0.65 0.65 0.65 0.65 0.65 0.65 0.65 0.65	185.25 185.25 185.25 232.86 238.23 209.58 121.29 201.50 206.86 162.66 162.66 85.80 205.73 214.50 257.40 79.95 86.45 92.95 66.95 102.21 83.20 60.45
	side slopes,in accordance with requirements of lines and grades and cross sections,and transporting disposal location up to a lead of 5.00Km and complete as per specifications. MORTH specification No.301 (SI No : 19.14) Road No.1-GHS Road Road No.1 Ch.0 to Ch.10.00 Ch.10.0 to Ch.10.00 Ch.10.0 to Ch.10.00 Ch.10.0 to Ch.10.00 Ch.10.0 to Ch.10.00 Road No.2-P.M.Rao Road Ch.0.0 to Ch.10.00 Ch.50.0 to Ch.10.00 Ch.50.0 to Ch.10.00 Ch.50.0 to Ch.10.00 Ch.50.0 to Ch.10.00 Ch.0.0 to Ch.10.00 Ch.30.0 to Ch.130.0 Ch.0.0 to Ch.30.0 Ch.30.0 to Ch.180.0 Ch.30.0 to Ch.180.0 Ch.30.0 to Ch.185.0 Road No.4-G.H.S. Cross Road Ch.0.0 to Ch.120.0 Ch.120.0 to Ch.180.0 Ch.20.0 to Ch.180.0 <td>Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum</td> <td></td> <td>50 50 50 50 50 50 45 30 50 50 50 50 50 50 50 50 50 50 50 50 50</td> <td>5.7 5.7 5.7 7.165 7.33 7.165 6.22 6.365 4.55 4.55 6.6 6.6 6.6 6.6 6.6 6.6 2.46 2.46 2.46</td> <td>0.65 0.65 0.65 0.65 0.65 0.65 0.65 0.65</td> <td>185.25 185.25 185.25 232.86 238.23 209.58 121.29 201.50 206.86 162.66 85.80 205.73 214.50 257.40 79.95 86.45 92.95 66.95 102.21 133.20 83.20 60.45 76.70</td>	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum		50 50 50 50 50 50 45 30 50 50 50 50 50 50 50 50 50 50 50 50 50	5.7 5.7 5.7 7.165 7.33 7.165 6.22 6.365 4.55 4.55 6.6 6.6 6.6 6.6 6.6 6.6 2.46 2.46 2.46	0.65 0.65 0.65 0.65 0.65 0.65 0.65 0.65	185.25 185.25 185.25 232.86 238.23 209.58 121.29 201.50 206.86 162.66 85.80 205.73 214.50 257.40 79.95 86.45 92.95 66.95 102.21 133.20 83.20 60.45 76.70
	side slopes,in accordance with requirements of lines and grades and cross sections,and transporting disposal location up to a lead of 5.00Km and complete as per specifications. MORTH specification No.301 (SI No : 19.14) Road No.1-GHS Road Road No.1 Ch.0 to Ch.10.00 Ch.10.0 to Ch.60.00 Ch.10.0 to Ch.10.00 Ch.10.0 to Ch.10.00 Ch.10.0 to Ch.100.00 Ch.100.0 to Ch.145.0.0 Road No.2-P.M.Rao Road Ch.0.0 to Ch.100.00 Ch.100.0 to Ch.145.0.0 Road No.3-Sharavu Temple Road Ch.0.0 to Ch.30.0 Ch.30.0 to Ch.30.0 Ch.30.0 to Ch.185.0 Road No.4-G.H.S. Cross Road Ch.0.0 to Ch.20.0 Ch.20.0 to Ch.180.0 Ch.20.0 to Ch.190.0 Ch.20.0 to Ch.190.0 Ch.20.0 to Ch.190.0 Ch.20.0 to Ch.190.0 Ch.20.0 to Ch.190.0 Ch.20.0 to Ch.20.0 Ch.20.0 to Ch.20.0 Ch.20.	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum		50 50 50 50 50 50 45 50 50 50 50 50 50 50 50 50 50 50 50 50	5.7 5.7 5.7 5.7 7.165 7.33 7.165 6.22 6.365 4.55 4.55 6.6 6.333 6.6 6.6 2.46 2.86 2.86 2.86 2.86 2.86 2.56 1.86 2.3031	0.65 0.65 0.65 0.65 0.65 0.65 0.65 0.65	185.25 185.25 185.25 185.25 232.86 238.23 209.58 121.29 201.50 206.86 162.66 162.66 205.73 214.50 257.40 79.95 86.45 92.95 66.95 102.21 83.20 83.20 60.45 76.70 98.51
	side slopes,in accordance with requirements of lines and grades and cross sections,and transporting disposal location up to a lead of 5.00Km and complete as per specifications. MORTH specification No.301 (SI No : 19.14) Road No.1-GHS Road Road No.1 Ch.0 to Ch.10.00 Ch.10.0 to Ch.10.00 Ch.10.0 to Ch.10.00 Ch.10.0 to Ch.10.00 Ch.10.0 to Ch.10.00 Road No.2-P.M.Rao Road Ch.0.0 to Ch.10.00 Ch.50.0 to Ch.10.00 Ch.50.0 to Ch.10.00 Ch.50.0 to Ch.10.00 Ch.50.0 to Ch.10.00 Ch.0.0 to Ch.10.00 Ch.30.0 to Ch.130.0 Ch.0.0 to Ch.30.0 Ch.30.0 to Ch.180.0 Ch.30.0 to Ch.180.0 Ch.30.0 to Ch.185.0 Road No.4-G.H.S. Cross Road Ch.0.0 to Ch.120.0 Ch.120.0 to Ch.180.0 Ch.20.0 to Ch.180.0 <td>Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum</td> <td></td> <td>50 50 50 50 50 50 50 50 50 50 50 50 50 5</td> <td>5.7 5.7 5.7 7.165 7.33 7.165 6.22 6.365 4.55 4.55 6.6 6.6 6.6 6.6 6.6 6.6 2.46 2.46 2.46</td> <td>0.65 0.65 0.65 0.65 0.65 0.65 0.65 0.65</td> <td>185.25 185.25 185.25 232.86 238.23 209.58 121.29 201.50 206.86 162.66 85.80 205.73 214.50 257.40 79.95 86.45 92.95 66.95 102.21 133.20 83.20 60.45 76.70</td>	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum		50 50 50 50 50 50 50 50 50 50 50 50 50 5	5.7 5.7 5.7 7.165 7.33 7.165 6.22 6.365 4.55 4.55 6.6 6.6 6.6 6.6 6.6 6.6 2.46 2.46 2.46	0.65 0.65 0.65 0.65 0.65 0.65 0.65 0.65	185.25 185.25 185.25 232.86 238.23 209.58 121.29 201.50 206.86 162.66 85.80 205.73 214.50 257.40 79.95 86.45 92.95 66.95 102.21 133.20 83.20 60.45 76.70

Sr. No.	Description	Unit	No's	L	В	н	Qty.
	Road No.8-Maidan 3rd Cross Road	-					
	Ch.0.0 to Ch.20.0 Ch.20.0 to Ch.60.0	Cum Cum	1	-		0.65 0.65	67.48 158.57
	Ch.60.0 to Ch.120.0	Cum	1	40 60		0.65	285.87
	Ch.120.0 to Ch.186.0	Cum	1	66	7.33	0.65	314.46
	Road 10-Bibi Alabi-Kandak Road						
	Ch.0.0 to Ch.10.00	Cum	1	10	3.47	0.65	22.56
	Ch.10.0 to Ch.50.0	Cum	1	40	5.1	0.65	132.60
	Ch.50.0 to Ch.110.0	Cum	1	60		0.65	198.90
	Ch.110.0 to Ch.160.0 Ch.160.0 to Ch.200.00	Cum Cum	1	50 40		0.65 0.65	156.98 99.58
	Ch.200.0 to Ch.250.0	Cum	1	50		0.65	110.83
	Ch.250.0 to Ch.310.0	Cum	1	60		0.65	179.40
	Ch.310.0 to ch.350.0 Ch.350.0 to Ch.400.00	Cum Cum	1	40 50	-	0.65 0.65	132.60 195.00
	Ch.400.00 to Ch.460.0	Cum	1	60		0.65	198.90
	Road 11-Maidan 4th Cross Road-Extn Ch.0.00 to Ch.10.0	Cum	1	10	4.93	0.65	32.05
	Ch.10.0 to Ch.40.00	Cum	1	30		0.65	96.14
	Ch.40.0 to Ch.90.00	Cum	1			0.65	227.50
	Ch.90.0 to Ch.140.0 Ch.140.0 to Ch195.0	Cum Cum	1	50 55		0.65	198.25 185.90
	Ch. 140.0 to Ch195.0	Cum	1	55	5.2	0.65	165.90
	Road 13-J.M 1st Cross Road						
	Ch.0.0 to Ch.10.0	Cum	1	10		0.65	14.04
	Ch.10.0 to Ch.50.0 Ch.50.0 to Ch.100.00	Cum Cum	1			0.65 0.65	61.36 53.95
	Ch.100.0 to Ch.170.0	Cum	1			0.65	156.07
	Ch.170.0 to Ch.200.0	Cum	1	40		0.65	65.78
	Ch.200.0 to Ch.238.0	Cum	1	38	2.36	0.65	58.29
	Road 15-Mission Street Road						
	Ch.0.0 to Ch.10.0	Cum	1	10		0.65	34.45
	Ch.10.0 to Ch.60.0	Cum	1	50		0.65	234.98
-	Ch.60.0 to Ch.130.0 Ch.130.0 to Ch.160.0	Cum Cum	1	70 30		0.65 0.65	139.14 49.88
	Ch.160.0 to Ch.200.0	Cum	1	40		0.65	78.78
	Patch Work For CC Road Road No.1						
	RHS						
	Ch.275.0 to Ch.288.0	Cum	1	13	0.603846	0.65	5.10
	Road No.4-G.H.S. Cross Road						
		0		50	4 700774	0.05	C4 45
	Ch.15.0 to Ch.68.0 RHS	Cum	1	53	1.783774	0.65	61.45
	Ch.30.0 to Ch.68.0	Cum	1	53	0.229811	0.65	7.92
	Flush Footpath with Carriageway						
	Road No.1-GHS Road						
	RHS						
	Level Footpath-Ch.270.00 to Ch.288.00	Cum	1	18	0.21	0.505	1.91
	Level Footpath-Ch.260.0 to Ch.268.00	Cum	1	8	0.4	0.505	1.62
	Parking-Ch.180.0 to Ch.260.0	Cum	1	82		0.505	103.53
	Parking-Ch.320.0 to Ch.350.0	Cum	1	30	2.5	0.505	37.88
	Road No.2-P.M.Rao Road						
	Parking-LHS-Ch.10.00 to Ch.50.00	Cum	1	36.2		0.505	45.70
	Parking-RHS-Ch.50.00 to Ch.75.00	Cum	1	29	2.5	0.505	36.61
	Road No.3-Sharavu Temple Road						
	RHS	_		_			
	Level Footpath-Ch.165.00 to Ch.185.0 Parking-Ch.15.00 to Ch.33.0	Cum Cum	1	20 18		0.505 0.505	7.37 22.73
	Parking-Ch.68.00 to Ch.82.0	Cum	1	16.4	2.5	0.505	20.71
	LHS Level Footpath-Ch.140.00 to Ch.180.0	Cum	1	40	1.18	0.505	23.84
	Parking-Ch.15.0 to Ch.42.0	Cum	1	30		0.505	37.88
	Parking-Ch.65.0 to Ch.85.0	Cum	1	20		0.505	25.25
	Road No.4-G.H.S. Cross Road						
<u> </u>	ROad No.4-G.H.S. Cross Road						
	Ch.35.00 to Ch.50.0	Cum	1	15	1.27	0.505	9.62
	Ch.65.0 to Ch.90.0	Cum	1	40	1.1	0.505	22.22
	Road No.5-Vithoba Temple Road						
	LHS					_	
	Ch.15.0 to Ch.212.0 Ch.215.0 to Ch.485.0	Cum Cum	1	197 270	1.41 1.44	0.505 0.505	140.27 196.34
		Cum	· · · ·	210	1.44	0.000	130.34
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Description	Unit	No's	L	В	Н	Qty.
 RHS Ch.15.0 to Ch.485.0	Cum	1	470	1.61	0.505	382.13
 Ch.380.0 to Ch.410.0	Cum	1	470	1.01	0.303	302.13
 Road No.8-Maidan 3rd Cross Road	0	4	00.0	0.5	0.505	00.00
 Parking	Cum	1	30.6	2.5	0.505	38.63
 Road No.9-Bibi Alabi Road						
 LHS						
 Level Footpath-Ch.0.0 to Ch.38.0	Cum	1	40	1.58	0.505	31.92
 Level Footpath-Ch.138.0 to Ch.218.0	Cum	1	80	1.5	0.505	60.6
 Level Footpath-Ch.248.0 to Ch.260.0 Level Footpath-Ch.288.0 to Ch.308.0	Cum Cum	1	12 20	1.54 1.29	0.505 0.505	<u>9.33</u> 13.03
 Parking-Ch.55.00 to Ch. 130.0	Cum	1	75	2.5	0.505	94.69
 Parking-Ch.140.0 to Ch.150.0	Cum	1	10.5	2.5	0.505	13.26
RHS						
 Level Footpath-Ch.5.00to Ch.40.0	Cum	1	35	1.35	0.505	23.86
 Level Footpath-Ch.160.00 to Ch.210.0	Cum	1	50	1.21	0.505	30.55
 Level Footpath-Ch.240.0 to Ch.320.0 Level Footpath-Ch.400.0 to Ch.430.0	Cum Cum	1	80 30	1.28 1.11	0.505	51.71 16.82
 Level Footpath-Ch.455.0 to Ch.465.0	Cum	1	10	2.42	0.505	12.22
			-			
 Road 10-Bibi Alabi-Kandak Road						
 RHS				0.44	0.505	
 Ch.12.0 to Ch.38.0	Cum	1	26	0.41	0.505	5.38
 LHS Ch.168.0 to Ch.188.0	Cum	1	20	0.46	0.505	4.65
 Ch.240.0 to Ch.260.0	Cum	1	20	0.40	0.505	3.13
 Ch.270.0 to Ch.300.0	Cum	1	30	0.52	0.505	7.88
 Ch.300.00 to Ch.320.0	Cum	1	20	0.73	0.505	7.37
 Ch.400.0 to Ch.425.0	Cum	1	25	1.11	0.505	14.01
 Road 11-Maidan 4th Cross Road-Extn						
 LHS Ch.90.0 to Ch.180.0	Cum	1	00	0.0	0.505	26.26
 Ch.30.0 to Ch.50.0	Cum Cum	1	90 20	0.8	0.505	<u>36.36</u> 10.81
 RHS	Cum	1	20	1.07	0.505	10.01
 Ch.70.0 to Ch.80.0	Cum	1	10	0.23	0.505	1.16
 Ch.115.0 to Ch.185.0	Cum	1	70	1.31	0.505	46.31
Parking-LHS	Cum	1	46.8	2.5	0.505	59.09
 Parking-RHS	Cum	1	60	2.5	0.505	75.75
 Parking-RHS	Cum	1	53.2	2.5	0.505	67.17
 Road 13-J.M 1st Cross Road						
 LHS						
 Ch.0.0 to Ch.90.0	Cum	1	90	1.1	0.505	50
Ch.95.0 to Ch.130.0	Cum	1	40	0.56	0.505	11.31
 Ch.200.0 to Ch.220.0	Cum	1	20	0.24	0.505	2.42
 Ch.230.0 to Ch.235.0	Cum	1	5	4.37	0.505	11.03
 RHS Ch.0.0 to Ch.130.0	Cum	1	120	1	0.505	CE CE
 Ch.200.0 to Ch.240.0	Cum Cum	1	130 40	0.5	0.505	<u>65.65</u> 10.1
	Cum	1	40	0.5	0.505	10.1
 Road 15-Mission Street Road						
 LHS						
 Ch.20.0 to Ch.90.0	Cum	1	70	1.52	0.505	53.73
 Ch.120.0 to Ch.190.0	Cum	1	70	4 00		38.18
 RHS			70	1.08	0.505	30.10
	Cum	1				
 Ch.130.0 to Ch.180.0	Cum	1	50	1.08	0.505	
	Cum	1				
 Two Wheeler Parking	Cum	1				
	Cum	1				
 Two Wheeler Parking Road No.2-PM Rao Road	Cum	1				26.51
 Two Wheeler Parking Road No.2-PM Rao Road LHS Ch.55.0 to Ch.135.0 RHS	Sqm	1	50 80.00	1.05	0.505	26.51 56.56
 Two Wheeler Parking Road No.2-PM Rao Road LHS Ch.55.0 to Ch.135.0 RHS Ch.7.00 to Ch.42.00	Sqm	1	50 80.00 36.90	1.05 1.40 1.40	0.505	26.51 56.56 26.09
 Two Wheeler Parking Road No.2-PM Rao Road LHS Ch.55.0 to Ch.135.0 RHS	Sqm	1	50 80.00	1.05	0.505	26.51 56.56 26.09
 Two Wheeler Parking Road No.2-PM Rao Road LHS Ch.55.0 to Ch.135.0 RHS Ch.7.00 to Ch.42.00 Ch.109.0 to Ch.132.0	Sqm	1	50 80.00 36.90	1.05 1.40 1.40	0.505	26.51 56.56 26.09
Two Wheeler Parking Road No.2-PM Rao Road LHS Ch.55.0 to Ch.135.0 RHS Ch.7.00 to Ch.42.00 Ch.109.0 to Ch.132.0 Road No.3 Sharavu Temple Road	Sqm	1	50 80.00 36.90	1.05 1.40 1.40	0.505	26.51 56.56 26.09
Two Wheeler Parking Road No.2-PM Rao Road LHS Ch.55.0 to Ch.135.0 RHS Ch.7.00 to Ch.42.00 Ch.109.0 to Ch.132.0	Sqm	1	50 80.00 36.90	1.05 1.40 1.40	0.505	26.51 56.56 26.09 17.39
Two Wheeler Parking Road No.2-PM Rao Road LHS Ch.55.0 to Ch.135.0 RHS Ch.7.00 to Ch.42.00 Ch.109.0 to Ch.132.0 Road No.3 Sharavu Temple Road RHS	Sqm Sqm Sqm	1	50 80.00 36.90 24.60	1.05 1.40 1.40 1.40	0.505	26.51 56.56 26.09 17.39
Two Wheeler Parking Road No.2-PM Rao Road LHS Ch.55.0 to Ch.135.0 RHS Ch.7.00 to Ch.42.00 Ch.109.0 to Ch.132.0 Road No.3 Sharavu Temple Road RHS Ch.42.0 to Ch.62.0	Sqm Sqm Sqm	1	50 80.00 36.90 24.60	1.05 1.40 1.40 1.40	0.505	26.51 56.56 26.09 17.39 12.37
Two Wheeler Parking Road No.2-PM Rao Road LHS Ch.55.0 to Ch.135.0 RHS Ch.7.00 to Ch.42.00 Ch.109.0 to Ch.132.0 Road No.3 Sharavu Temple Road RHS Ch.42.0 to Ch.62.0 LHS Ch.111.0 to Ch. 125.0	Sqm Sqm Sqm Sqm Sqm		50 80.00 36.90 24.60 17.50	1.05 1.40 1.40 1.40 1.40	0.505	26.51 56.56 26.09 17.39 12.37
Two Wheeler Parking Road No.2-PM Rao Road LHS Ch.55.0 to Ch.135.0 RHS Ch.7.00 to Ch.42.00 Ch.109.0 to Ch.132.0 Road No.3 Sharavu Temple Road RHS Ch.42.0 to Ch.62.0 LHS Ch.111.0 to Ch.125.0 Road No.4 GHS Cross Road	Sqm Sqm Sqm Sqm Sqm		50 80.00 36.90 24.60 17.50	1.05 1.40 1.40 1.40 1.40	0.505	26.51 56.56 26.09 17.39 12.37
Two Wheeler Parking Road No.2-PM Rao Road LHS Ch.55.0 to Ch.135.0 RHS Ch.7.00 to Ch.42.00 Ch.7.00 to Ch.132.0 Road No.3 Sharavu Temple Road RHS Ch.42.0 to Ch.62.0 LHS Ch.111.0 to Ch. 125.0 Road No.4 GHS Cross Road RHS	Sqm Sqm Sqm Sqm Sqm Sqm		50 80.00 36.90 24.60 17.50 13.50	1.05 1.40 1.40 1.40 1.40 1.40 1.40	0.505	26.51 56.56 26.09 17.39 12.37 9.54
Two Wheeler Parking Road No.2-PM Rao Road LHS Ch.55.0 to Ch.135.0 RHS Ch.7.00 to Ch.42.00 Ch.7.00 to Ch.132.0 Road No.3 Sharavu Temple Road RHS Ch.42.0 to Ch.62.0 LHS Ch.111.0 to Ch. 125.0 Road No.4 GHS Cross Road RHS Ch.80.0 to Ch.94.0	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm		50 80.00 36.90 24.60 17.50 13.50	1.05 1.40 1.40 1.40 1.40 1.40 1.40 1.40	0.505 0.505 0.505 0.505 0.505 0.505 0.505	26.51 56.56 26.09 17.39 12.37 9.54 9.54
Two Wheeler Parking Road No.2-PM Rao Road LHS Ch.55.0 to Ch.135.0 RHS Ch.7.00 to Ch.42.00 Ch.7.00 to Ch.132.0 Road No.3 Sharavu Temple Road RHS Ch.42.0 to Ch.62.0 LHS Ch.111.0 to Ch.125.0 Road No.4 GHS Cross Road RHS Ch.80.0 to Ch.94.0 Ch.117.0 to Ch.154	Sqm Sqm Sqm Sqm Sqm Sqm		50 80.00 36.90 24.60 17.50 13.50	1.05 1.40 1.40 1.40 1.40 1.40 1.40	0.505	26.51 56.56 26.09 17.39 12.37 9.54
Two Wheeler Parking Road No.2-PM Rao Road LHS Ch.55.0 to Ch.135.0 RHS Ch.7.00 to Ch.42.00 Ch.109.0 to Ch.132.0 Road No.3 Sharavu Temple Road RHS Ch.42.0 to Ch.62.0 LHS Ch.111.0 to Ch.125.0 Road No.4 GHS Cross Road RHS Ch.80.0 to Ch.94.0 Ch.117.0 to Ch.154 LHS	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm		50 80.00 36.90 24.60 17.50 13.50	1.05 1.40 1.40 1.40 1.40 1.40 1.40 1.40	0.505 0.505 0.505 0.505 0.505 0.505 0.505 0.505 0.505	26.51 56.56 26.09 17.39 12.37 9.54 9.54 9.47 26.02
Two Wheeler Parking Road No.2-PM Rao Road LHS Ch.55.0 to Ch.135.0 RHS Ch.7.00 to Ch.42.00 Ch.7.00 to Ch.132.0 Road No.3 Sharavu Temple Road RHS Ch.42.0 to Ch.62.0 LHS Ch.111.0 to Ch.125.0 Road No.4 GHS Cross Road RHS Ch.80.0 to Ch.94.0 Ch.117.0 to Ch.154	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm		50 80.00 36.90 24.60 17.50 13.50 13.50 13.40 36.80	1.05 1.40 1.40 1.40 1.40 1.40 1.40 1.40 1.40	0.505 0.505 0.505 0.505 0.505 0.505 0.505	26.51 56.56 26.09 17.39 12.37 9.54 9.47 26.02 12.02
Two Wheeler Parking Road No.2-PM Rao Road LHS Ch.55.0 to Ch.135.0 RHS Ch.7.00 to Ch.42.00 Ch.109.0 to Ch.132.0 Road No.3 Sharavu Temple Road RHS Ch.42.0 to Ch.62.0 LHS Ch.111.0 to Ch.125.0 Road No.4 GHS Cross Road RHS Ch.80.0 to Ch.94.0 Ch.117.0 to Ch.154 LHS Ch.20.0	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm		50 80.00 36.90 24.60 17.50 13.50 13.40 36.80 17.00	1.05 1.40 1.40 1.40 1.40 1.40 1.40 1.40 1.40 1.40 1.40	0.505 0.505 0.505 0.505 0.505 0.505 0.505 0.505 0.505 0.505 0.505	26.51 56.56 26.09 17.39 12.37 9.54 9.54 9.47 26.02 12.02 12.23
Two Wheeler Parking Road No.2-PM Rao Road LHS Ch.55.0 to Ch.135.0 RHS Ch.7.00 to Ch.42.00 Ch.109.0 to Ch.132.0 Road No.3 Sharavu Temple Road RHS Ch.42.0 to Ch.62.0 LHS Ch.11.0 to Ch. 125.0 Road No.4 GHS Cross Road RHS Ch.80.0 to Ch.94.0 Ch.117.0 to Ch.154 LHS Ch.22.0 to Ch.40.0 Ch.122.0 to Ch.40.0 Ch.134.0 to Ch.159.0	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm		50 80.00 36.90 24.60 17.50 13.50 13.50 13.40 36.80 17.00 17.30	1.05 1.40 1.40 1.40 1.40 1.40 1.40 1.40 1.40 1.40 1.40 1.40	0.505 0.505 0.505 0.505 0.505 0.505 0.505 0.505 0.505 0.505 0.505 0.505	26.51 56.56 26.09 17.39 12.37 9.54 9.54 9.47 26.02 12.02 12.23
Two Wheeler Parking Road No.2-PM Rao Road LHS Ch.55.0 to Ch.135.0 RHS Ch.7.00 to Ch.42.00 Ch.7.00 to Ch.132.0 Road No.3 Sharavu Temple Road RHS Ch.42.0 to Ch.62.0 LHS Ch.11.0 to Ch. 125.0 Road No.4 GHS Cross Road RHS Ch.80.0 to Ch.94.0 Ch.117.0 to Ch.154 LHS Ch.22.0 to Ch.40.0 Ch.112.0 to Ch.154 LHS Ch.20.0 to Ch.40.0 Ch.112.0 to Ch.159.0 Road No.8-Maidan 3rd Cross Road	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm		50 80.00 36.90 24.60 17.50 13.50 13.50 13.40 36.80 17.00 17.30	1.05 1.40 1.40 1.40 1.40 1.40 1.40 1.40 1.40 1.40 1.40 1.40	0.505 0.505 0.505 0.505 0.505 0.505 0.505 0.505 0.505 0.505 0.505 0.505	26.51 56.56 26.09 17.39 12.37 9.54 9.54 9.47 26.02 12.02 12.23
Two Wheeler Parking Road No.2-PM Rao Road LHS Ch.55.0 to Ch.135.0 RHS Ch.7.00 to Ch.42.00 Ch.109.0 to Ch.132.0 Road No.3 Sharavu Temple Road RHS Ch.42.0 to Ch.62.0 LHS Ch.11.0 to Ch. 125.0 Road No.4 GHS Cross Road RHS Ch.80.0 to Ch.94.0 Ch.117.0 to Ch.154 LHS Ch.22.0 to Ch.40.0 Ch.122.0 to Ch.40.0 Ch.134.0 to Ch.159.0	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm		50 80.00 36.90 24.60 17.50 13.50 13.50 13.40 36.80 17.00 17.30	1.05 1.40 1.40 1.40 1.40 1.40 1.40 1.40 1.40 1.40 1.40 1.40	0.505 0.505 0.505 0.505 0.505 0.505 0.505 0.505 0.505 0.505 0.505 0.505	26.51 26.51 26.09 17.39 12.37 9.54 9.54 9.47 26.02 12.02 12.23 18.03

Sr. No.	Description Ch.120.0 to Ch.173.0	Unit Sqm	No's	L 52.20	B 1.40	H 0.505	Qty. 36.91
	Road No.9-Bibi Alabi Road						
	Ch.277.0 to Ch.288.0	Sqm	1	12.50	1.40	0.505	8.84
	Footpath						
	Road No.1-GHS Road LHS						
	Ch.0.0 to Ch.95.00	Cum	1	95	2.73	0.25	64.84
	Ch.100.0 to Ch.260.00 Ch.270.0 to Ch.370.00	Cum Cum	1	160 100	3.23 2.97	0.25 0.25	129.2 74.25
	RHS	Cuiii	1	100	2.97	0.25	74.23
	Ch.0.0 to Ch.140.00	Cum	1	140	2.3	0.25	80.5
	Ch.150.0 to Ch.280.0 Ch.290.0 to Ch.390.0	Cum Cum	1	130 100	3.18 3.68	0.25 0.25	103.35 92
	Road No.2-P.M.Rao Road LHS						
	Ch.00.0 to Ch.170.0	Cum	1	170	2.83	0.25	120.28
	RHS Ch.00.0 to Ch.170.0	Cum	1	170	3.76	0.25	159.8
		Cum		170	0.70	0.20	100.0
	Road No.3-Sharavu Temple Road LHS						
	Ch.0.0 to Ch.170.0	Cum	1	170	2.82	0.25	119.85
	RHS	0		50	4.00	0.05	50.00
<u> </u>	Ch.0.0 to Ch.50.0 Ch.55.0 to Ch.90.0	Cum Cum	1	50 35	4.23 2.84	0.25 0.25	52.88 24.85
	Ch.100.0 to Ch.142.0	Cum	1	42	3.55	0.25	37.28
	Road No.4-Sharavu Temple Road						
	LHS						
<u> </u>	Ch.0.0 to Ch.50.0	Cum	1	50 95	3.55	0.25	44.38
	Ch.90.0 to Ch.185.00 RHS	Cum	1	95	2.68	0.25	63.65
	Ch.0.0 to Ch.35.0	Cum	1	35	1.9	0.25	16.63
	Ch.50.0 to Ch.180.0	Cum	1	130	2.34	0.25	76.05
	Road No.7-Maidan 1st Cross Road						
	LHS Ch.0.0 to Ch.92.00	Cum	1	92	2 45	0.25	70.25
	RHS	Cum	1	92	3.45	0.25	79.35
	At Ch.0.00	Cum	1	20	2.61	0.25	13.05
	Ch.0.0 to Ch.92.00	Cum	1	92	2.7	0.25	62.1
	Road No.8-Maidan 3rd Cross Road						
	LHS Ch.20.0 to Ch.180.0	Cum	1	160	2.8	0.25	112
	RHS	Cull	1	100	2.0	0.23	112
	Ch.0.0 to Ch.180.0	Cum	1	180	3.11	0.25	139.95
	Road No.9 Bibi Alabi Road						
	LHS				5.00	0.05	
	Ch.0.0 to Ch.200.00 Ch.210.00 to Ch.320.00	Cum Cum	1	200 110	5.38 5.61	0.25 0.25	269 154.28
	Ch.330.0 to Ch.430.00	Cum	1	100	6.75	0.25	168.75
	RHS Ch.30.00 to Ch.160.00	Cum	1	130	4.48	0.25	145.6
	Ch.170.00 to Ch.340.00	Cum	1	170	4.75	0.25	201.88
	Ch.345.00 to Ch.430.00	Cum	1	85	4.41	0.25	93.71
	Road No.10-Bibi Alabi - Kandak Road						
	LHS	0	1	4 4 5	1 10	0.05	54.04
	Ch.0.0 to Ch.145.0 Ch.55.00 to Ch.165.0	Cum Cum	1	145 110	1.49 0.15	0.25	54.01 4.13
	Ch.185.00 to Ch.230.0	Cum	1	45	1.58	0.25	17.78
	Ch.320.00 to Ch.405.00 Ch.425.00 to Ch.460.0	Cum Cum	1	85 35	3.87 3.54	0.25	82.24 30.98
	RHS	Cum			0.01	0.20	
	Ch.40.0 to Ch.260.0 Ch.270.0 to Ch.290.0	Cum Cum	1	220 20	1.5 3.45	0.25	82.5 17.25
	Ch.305.0 to Ch.460.0	Cum	1	155	3.45	0.25	120.51
	Road No.11-Maidan 4th Cross Road-Extn.						
	Ch.25.0 to Ch.200.00	Cum	1	175	3.11	0.25	136.06
	RHS Ch.0.0 to Ch.200.00	Cum	1	175	3.18	0.25	139.13
					5.10	0.25	103.13
	Road No.13-J.M.1st Cross Road						
	LHS Ch.160.0 to Ch.170.0	Cum	1	10	1.91	0.25	4.78
	Ch.175.0 to Ch.200.0	Cum	1	25	2.51	0.25	15.69
	Ch.218.0 to Ch.227 RHS	Cum	1	9	1.31	0.25	<u>2.95</u> 0
	Ch.160.0 to Ch.190.0	Cum	1	30	2.27	0.25	17.03
	Road No.15-Mission Street Road Extn.						

Sr. No.	Description Ch.0.0 to Ch.20.00	Unit Cum	No's	L 20	B 1.1	H 0.25	Qty. 5.5
	RHS	Cum		20	1.1		
	Ch.20.0 to Ch.90.0	Cum	1	70 20	1.8 1.85	0.25	31.5
	Ch.180.0 to Ch.200	Cum	1	20	1.00	0.25	9.25
1	Electrical Trench Road No.1-GHS Road						
	RHS	Cum	1		1.2	1.50	666
2	LHS Road No.2-P.M.Rao Road	Cum	1	370	1.2	1.50	666
2	RHS	Cum	1	178	1.2	1.50	320.4
	LHS	Cum	1	178	1.2	1.50	320.4
3	Road No.3-Sharavu Temple Road RHS	Cum	1	194	1.2	1.50	349.2
	LHS	Cum	1	194	1.2	1.50	349.2
4	Road No.4-G.H.S. Cross Road	0		400	1.0	4.50	004
	RHS LHS	Cum Cum	1		1.2 1.2	1.50 1.50	<u>324</u> 324
5	Road No.5-Vithoba Temple Road						
	RHS LHS	Cum Cum	1		1.2 1.2	1.50 1.50	<u>867.6</u> 867.6
7	Road No.7-Maidan 1st Cross Road	Cum	1	402	1.2	1.50	007.0
	RHS	Cum	1		1.2	1.50	162
8	LHS Road No.8-Maidan 3rd Cross Road	Cum	1	90	1.2	1.50	162
0	RHS	Cum	1	186	1.2	1.50	334.8
_	LHS	Cum	1		1.2	1.50	334.8
9	Road No.9-Bibi Alabi Road RHS	Cum	1	440	1.2	1.50	792
	LHS	Cum	1	-	1.2	1.50	792
10	Road 10-Bibi Alabi-Kandak Road						
	RHS LHS	Cum Cum	1		1.2 1.2	1.50 1.50	828 828
11	Road 11-Maidan 4th Cross Road-Extn	Cum	1	400	1.2	1.50	020
	RHS	Cum	1		1.2	1.50	351
12	LHS Road 13-J.M 1st Cross Road	Cum	1	195	1.2	1.50	351
12	RHS	Cum	1	238	1.2	1.50	428.4
40	LHS	Cum	1	238	1.2	1.50	428.4
13	Road 15-Mission Street Road RHS	Cum	1	200	1.2	1.50	360
	LHS	Cum	1		1.2	1.50	360
	SWD Road No.1 G.H.S.Road			Sidee	1		
	Node-MH-633 to MH-634			Sides Width	0.75		
	Base	Cum	1.00		1.95	1.64	127.6
	Node-MH-634 to MH-635			Width	0.75		
	Base	Cum	1.00	40.40	1.95	1.47	141.12
	Node-MH-635 to MH-636 Base	Cum	1.00	Width 24.10	0.75 1.95	1.63	76.6
		Cum	1.00	21.10	1.00	1.00	70.0
	Node-MH-636 to MH-637	0	1.00	Width	0.75	4.40	450 47
	Base	Cum	1.00	54.40	1.95	1.48	156.47
	Node-MH-637 to MH-638			Width	0.75		
	Base	Cum	1.00	52.40	1.95	1.49	152.25
	Node-MH-638 to MH-639			Width	0.75		
	Base	Cum	1.00		1.95	1.52	94.24
	Node-MH-639 to MH-640			Width	0.75		
<u> </u>	Base	Cum	1.00		1.95	1.51	48.29
_							
	Node-MH-640 to MH-641 Base	Cum	1.00	Width 29.00	1.20 2.40	1.63	113.45
		Oum	1.00	20.00	2.40	1.00	110.40
	Node-MH-641 to MH-642		4.00	Width	1.20	4.50	
	Base	Cum	1.00	61.20	2.40	1.50	220.32
				Sides	1.00		
	Node-MH-797 to MH-798 Base	0	1.00	Width 40.20	0.90 2.10	1.92	161.66
	Base	Cum	1.00	40.20	2.10	1.92	161.66
	Node-MH-798 to MH-799			Width	0.90		
	Base	Cum	1.00	27.00	2.10	1.75	99.23
	Node-MH-799 to MH-800	1		Width	0.90		
	Base	Cum	1.00		2.10	1.75	80.48
	Node-MH-800 to MH-802			Width	0.90		
	Node-MH-800 to MH-802 Base	Cum	1.00		2.10	1.67	279.16
		1					-
	Node-MH-802 to MH-654 Base	Cum	1.00	Width 47.80	0.90 2.10	1.57	157.6
			1.00	-1.00	2.10	1.07	107.0
				Sides	1.00		

o.	Description Node-MH-803 to MH-804	Unit	No's	L Width	B 0.75	н	Qty.
	Node-мп-803 to мп-804 Base	Cum	1.00		1.95	1.61	156
	5400	oum	1.00		1.00		
	Node-MH-804 to MH-805			Width	0.75		
	Base	Cum	1.00	33.70	1.95	1.58	103
	Node-MH-805 to O-85			Width	0.75		
	Base	Cum	1.00	44.37	1.95	1.51	130.2
		Total Leng	th=	703.37			
	Road No.2-P.M.Rao Road						
_				Sides	1.00		
	Node-MH-644			Width	0.90		
	Base	Cum	1.00	38.10	2.10	1.74	138.
				\ \ /:	0.00		
	Node-MH-645 Base	Cum	1.00	Width 26.80	0.90 2.10	1.91	107
	Dase	Oum	1.00	20.00	2.10	1.51	107
	Node-MH-646			Width	0.90		
	Base	Cum	1.00	32.50	2.10	1.80	122
				10/:	0.00		
_	Node-MH-647 Base	Cum	1.00	Width 46.40	0.90	1.48	144
_		Oum	1.00	10.10	2.10		
	Node-MH-648			Width	0.90		
	Base	Cum	1.00	27.60	2.10	1.48	85
				۱۸/i ماداد	0.00		
	Node-MH-639 Base	Cum	1.00	Width 11.30	0.90 2.10	1.49	35
\neg	Base	Total Leng		11.30	2.10	1.49	35
		Total Long		102.10			
	Road No.3-Sharavu Temple Road						
				Sides	1.00		
	Node-MH-649 to MH-650	Cum	1.00	Width 42.80	0.75	1 5 4	100
_	Base	Cum	1.00	42.80	1.95	1.54	128
	Node-MH-650 to MH-651			Width	0.75		
	Base	Cum	1.00		1.95	1.64	163
	Node-MH-651 to MH-652	0	4.00	Width	0.75		
_	Base	Cum	1.00	23.80	1.95	1.47	67
	Node-MH-652 to MH-653			Width	0.75		
_	Base	Cum	1.00		1.95	1.47	7
	Node-MH-653 to O-76	0	4.00	Width	0.75	4.47	
	Base	Cum Total Leng	1.00	38.80 181.80	1.95	1.47	111
_			jui —	101.00			
	Road No.4-G.H.S. Cross Road						
				Sides	1.00		
	Node-MH-654 to MH-655		4.00	Width	0.75		
_	Base	Cum	1.00	12.80	1.95	1.51	3
-	Node-MH-655 to MH-656			Width	0.75		
	Base	Cum	1.00		1.95	1.74	8
	Node-MH-656 to MH-657	-		Width	0.75		
	Base	Cum	1.00	24.70	1.95	1.48	7
	Node-MH-657 to MH-658			Width	0.75		
	Base	Cum	1.00		1.95	1.47	5
	Node-MH-658to MH-659			Width	0.75		
+	Base	Cum	1.00	45.50	1.95	1.68	149
+	Node-MH-659 to MH-660			Width	0.75		
	Base	Cum	1.00		1.95	1.54	
_	Node-MH-660 to O-77			Width	0.75		
	Base	Cum	1.00	24.10	1.95	1.46	68
		Total Leng	th–	179.60			
		Total Long		110.00			
	Road No.5-Vithoba Temple Road						
				Sides	1.00		
	Node-MH-796 to MH-662	0	4.00	Width	0.90	4 55	40
+	Base	Cum	1.00	14.70	5.70	1.55	12
+	Node-MH-662 to MH-663	1		Width	0.90		
	Base	Cum	1.00		2.10	1.74	45
	Node-MH-663 to MH-664	0	1.00	Width	0.90		
\dashv	Base	Cum	1.00	36.70	0.80	1.80	52
- I	Node-MH-664 to MH-665			Width	0.90		
	Base	Cum	1.00	26.70	2.10	1.78	99

). E	Description Base	Unit Cum	No's 1.00	L 16.20	B 2.10	Н 1.78	Qty. 60.5
_	Node-MH-666 to MH-667	-		Width	0.90		
	Base	Cum	1.00		2.10	1.78	328.5
					0.00		
	Node-MH-667 to MH-668 Base	Cum	1.00	Width 18.30	0.90 2.10	1.92	73.5
		- Cuili					
	Node-MH-668 to MH-669	Cum	1.00	Width	1.20	2.64	441.8
	Base	Cum	1.00	64.50	2.60	2.64	441.8
	Node-MH-669 to MH-670			Width	1.20		
E	Base	Cum	1.00	37.10	2.60	3.18	306.2
	Node-MH-670 to MH-671			Width	1.20		
	Base	Cum	1.00		2.60	3.03	166.2
_		-		Width	1.20		
	Node-MH-671 to O-78 Base	Cum	1.00		2.60	2.80	199.1
		Total Leng	th=	476.70			
_							
F	Road No.7-Maidan 1st Cross Road						
				Sides	1.00		
_	Node-MH-680 to O-81	Cum	1.00	Width	0.60 1.80	1.69	210
	Base	Cum	1.00	103.10	1.00	1.09	312
N	Node-MH-678 to O-80			Width	0.60		
E	Base	Cum	1.00		1.80	1.57	2
+		Total Leng	jth=	199.30			
F	Road No.8-Maidan 3rd Cross Road						
				Sides	1.00		
_	Node-MH-682 to MH-683 Base	Cum	1.00	Width 29.90	0.90 2.10	1.77	110.
-	Dase	Cum	1.00	29.90	2.10	1.77	110.
N	Node-MH-683 to MH-684			Width	0.90		
E	Base	Cum	1.00	44.80	2.10	1.76	165.
	Node-MH-684 to MH-685			Width	1.20		
_	Base	Cum	1.00		2.40	2.06	324.
_	Node-MH-685 to MH-686	Cum	1.00	Width	1.20	2.26	470
	Base	Cum	1.00	32.60	2.40	2.26	176.
N	Node-MH-686 to MH-691			Width	1.20		
E	Base	Cum	1.00	8.10	2.40	2.17	42.
	Node-MH-687 to MH-688		0.00	Width	0.60	0.00	
	Base	Cum	1.00		1.80	1.47	82.
_	Node-MH-688 to MH-689 Base	Cum	1.00	Width 55.30	0.60 1.80	1.57	156
		Odin	1.00	00.00	1.00	1.07	100.
_	Node-MH-689 to MH-690			Width	0.60		
E	Base	Cum	1.00	37.50	1.80	1.81	121.
	Node-MH-690 to MH-691			Width	0.60		
	Base	Cum	1.00	51.00	1.80	1.89	17:
		Total Leng	th=	356.10			
F	Road No.9-Bibi Alabi Road						
ť				Sides	1.00		
_	Node-MH-692 to MH-693			Width	0.60		
E	Base	Cum	1.00	47.90	1.80	1.99	171.
N	Node-MH-693 to MH-680			Width	0.60		
	Base	Cum	1.00		1.80	1.96	21
				\\/;dtb	0.60		
_	Node-MH-694 to MH-695 Base	Cum	1.00	Width 12.60	1.80	1.62	36
_	Node-MH-695 to MH-696		4.00	Width	0.60	4 70	
	Base	Cum	1.00	77.30	1.80	1.72	239
N	Node-MH-696 to MH-697			Width	0.60		
E	Base	Cum	1.00	32.10	1.80	1.59	91
_				Width	0.60		
_	Node-MH-697 to MH-698 Base	Cum	1.00	Width 100.20	0.60 1.80	1.52	274
_	Node-MH-698 to MH-699			Width	0.60		
E	Base	Cum	1.00	36.40	1.80	1.65	108
+	Node-MH-699 to MH-700			Width	0.60		
I P		Cum	1.00		1.80	1.78	192
	Base	Cum					
E	заse Node-MH-700 to MH-701	Cum		Width	0.60		

Sr. No.	Description	Unit	No's	L	В	Н	Qty.
	Node-MH-701 to O-83	0	1.00	Width	0.60	4.07	00.40
	Base	Cum	1.00	27.40	1.80	1.67	82.12
	Node-MH-703 to MH-704 Base	Cum	1.00	Width 223.40	0.90 2.10	1.72	804.58
		Cum				1.72	004.30
	Node-MH-704 to MH-705 Base	Cum	1.00	Width 19.10	0.90	1.66	66.58
				Width			
	Node-MH-705 to MH-706 Base	Cum	1.00		0.90 2.10	1.65	166.85
	Node-MH-706 to MH-707			Width	0.90		
	Base	Cum	1.00		2.10	1.56	309.57
	Node-MH-707 to O-87			Width	0.90		
	Base	Cum Total Leng	1.00	66.90 906.10	2.10	1.47	205.82
	Road 10-Bibi Alabi-Kandak Road						
	Node-MH-709 to MH-710			Sides Width	1.00 0.60		
	Base	Cum	1.00		1.80	1.78	199.61
	Node-MH-710 to MH-686			Width	0.60		
	Base	Cum	1.00		1.80	1.79	241.94
	Node-MH-686 to MH-691			Width	1.20		
	Base	Cum	1.00	8.10	2.40	2.17	42.09
	Node-MH-691 to MH-711		1.00	Width	1.20	0.44	
	Base	Cum	1.00	28.90	2.40	2.11	146
	Node-MH-711 to MH-712 Base	Cum	1.00	Width 43.80	1.20 2.40	1.90	199.73
		Cum	1.00			1.50	199.75
	Node-MH-712 to MH-713 Base	Cum	1.00	Width 10.80	1.20 2.40	1.80	46.66
	No. Jo. MIL 749.40 MIL 74.4			Width			
	Node-MH-713 to MH-714 Base	Cum	1.00		1.20 2.40	1.79	107.96
	Node-MH-714 to MH-715			Width	1.20		
	Base	Cum	1.00		2.40	1.77	229.59
	Node-MH-715 to MH-716			Width	1.20		
	Base	Cum	1.00	28.60	2.40	1.77	121.15
	Node-MH-716 to MH-717			Width	1.20		
	Base	Cum	1.00		2.40	1.76	85.75
	Node-MH-717 to MH-718 Base	Cum	1.00	Width 11.30	1.20 2.40	1.77	47.87
		Cum	1.00			1.17	47.07
	Node-MH-718 to MH-719 Base	Cum	1.00	Width 50.70	1.20 2.40	1.77	214.77
				Width	1.20		
	Node-MH-719 to MH-720 Base	Cum	1.00	34.50	2.40	1.76	145.73
		Total Leng	gth=	454.00			
	Road 11-Maidan 4th Cross Road-Extn			0.1	1.00		
	Node-MH-721 to MH-722			Sides Width	1.00 0.60		
	Base	Cum	1.00	43.80	1.80	1.47	115.89
	Node-MH-722 to MH-723			Width	0.60		
	Base	Cum	1.00	31.00	1.80	1.47	81.75
	Node-MH-723 to MH-724 Base	Cum	1.00	Width 25.50	0.60 1.80	1.49	68.39
	Dase	Cum	1.00		1.60	1.49	00.39
	Node-MH-724 to MH-725 Base	Cum	1.00	Width 59.00	0.60 1.80	1.71	181.6
							101.0
	Node-MH-725 to MH-713 Base	Cum	1.00	Width 33.80	0.60 1.80	2.03	123.2
	Node-MH-726 to MH-727			Width	0.60		
	Node-MH-726 to MH-727 Base	Cum	1.00			1.47	99.21
				Width	0.60		
	Node-MH-727 to MH-728						
	Node-MH-727 to MH-728 Base	Cum	1.00			1.48	110.71
		Cum		41.70 Width	1.80		110.71 324.48

ir. No.	Description	Unit	No's	L	В	н	Qty.
	Node-MH-729 to MH-712	01.11		Width	0.90		<u>ц</u> ,
	Base	Cum	1.00	21.80	2.10	2.02	92.48
				14/2-161	4.00		
	Node-MH-712 to MH-713 Base	Cum	1.00	Width 10.80	1.20 2.40	2.14	55.47
		Total Lend		398.80	2.40	2.14	55.4
		Total Long		000.00			
	Road 13-J.M 1st Cross Road						
				Sides	1.00		
1	Node-MH-781 to MH-787	-		Width	0.60		
	Base	Cum	1.00	57.60	1.80	1.40	144.6
<u></u>				\\/idth	0.60		
2	Node-MH-782 to MH-783 Base	Cum	1.00	Width 30.60	0.60 1.80	1.16	63.8
		Cum	1.00	30.00	1.00	1.10	05.0
3	Node-MH-783 to MH-784			Width	0.60		
	Base	Cum	1.00		1.80	0.86	63.1
4	Node-MH-785 to MH-786			Width	0.60		
	Base	Cum	1.00	21.20	1.80	1.50	57.2
_				147.10	0.00		
5	Node-MH-786 to MH-787	Cum	1.00	Width 21.80	0.90 2.10	1 47	07.0
	Base	Cum	1.00	21.80	2.10	1.47	67.0
6	Node-MH-787 to MH-788			Width	0.90		
	Base	Cum	1.00		2.10	1.47	76.9
		Oum	1.00	20.00	2.10	1.47	10.5
7	Node-MH-788 to MH-518			Width	1.20		
	Base	Cum	1.00	14.80	2.40	1.78	63.2
	Т	otal Length)=	211.80			
	Road 15-Mission Street Road						
				Sides	1.00		
1	Node-MH-789 to MH-790	0	1.00	Width	0.60	4 70	100.0
	Base	Cum	1.00	32.40	1.80	1.73	100.8
2	Node-MH-790 to MH-791			Width	0.60		
	Base	Cum	1.00		1.80	1.58	65.7
		oum	1.00	0.00	1.00	1.00	00.1
3	Node-MH-791 to MH-792			Width	0.60		
	Base	Cum	1.00	32.40	1.80	1.58	91.8
4	Node-MH-792 to MH-793			Width	0.60		
	Base	Cum	1.00	27.10	1.80	1.55	75.3
					0.00		
5	Node-MH-793 to MH-794	Cum	1.00	Width	0.60	1 40	111.0
	Base	Cum	1.00	41.70	1.80	1.49	111.8
6	Node-MH-794 to MH-795			Width	0.60		
	Base	Cum	1.00		1.80	1.47	135.0
		ouiii		01120			100.0
7	Node-MH-795 to MH-475			Width	0.60		
	Base	Cum	1.00	54.00	1.00		145.2
	Dase				1.80		140.2
		Total Leng		259.90	1.80 0.00		143.2
							145.2
							140.2
	RCC Pipe Crossing-	Total Leng	th=	259.90	0.00		
1	RCC Pipe Crossing- GHS Road	Total Leng Cum	gth= 4	259.90 	0.00	0.5	55.2
1 2	RCC Pipe Crossing- GHS Road P.M.Rao Road	Total Leng Cum Cum	9th= 4 2	259.90 	0.00	0.5	<u>55.2</u> 18.2
1	RCC Pipe Crossing- GHS Road P.M.Rao Road Sharavu Temple Road	Total Leng Cum	th= 4 2 2	259.90 	0.00	0.5	55.2 18.2 20.6
1 2 3	RCC Pipe Crossing- GHS Road P.M.Rao Road	Total Leng Cum Cum Cum	9th= 4 2	259.90 25.1 16.6 18.8 14.8	0.00 1.1 1.1 1.1	0.5 0.5 0.5	55.2 18.2 20.6 16.2
1 2 3 4 5 6	RCC Pipe Crossing- GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road	Total Leng Cum Cum Cum Cum Cum Cum Cum	th= 4 2 2 2 17 1	259.90 25.1 16.6 18.8 14.8 8.1 14.5	0.00 1.1 1.1 1.1 1.1 1.1 1.1	0.5 0.5 0.5 0.5 0.5 0.5 0.5	55.2 18.2 20.6 16.2 75.7 7.9
1 2 3 4 5 6 7	RCC Pipe Crossing- GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 3rd Cross Road	Total Leng Cum Cum Cum Cum Cum Cum Cum	th= 4 2 2 2 17 1 2	259.90 25.1 16.6 18.8 14.8 8.1 14.5 15.9	0.00 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1	0.5 0.5 0.5 0.5 0.5 0.5 0.5	55.2 18.2 20.6 16.2 75.7 7.5 7.5 17.4
1 2 3 4 5 6 7 8	RCC Pipe Crossing- GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 3rd Cross Road Bibi Alabi Road	Total Leng Cum Cum Cum Cum Cum Cum Cum Cum	th= 4 2 2 17 17 1 2 5	259.90 25.1 16.6 18.8 14.8 8.1 14.5 15.9 28.4	0.00 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1	0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	55.2 18.2 20.6 16.2 75.7 7.9 17.4
1 2 3 4 5 6 7 8 9	RCC Pipe Crossing- GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 3rd Cross Road Bibi Alabi Road Bibi Alabi - Kanadak Road	Total Leng Cum Cum Cum Cum Cum Cum Cum Cum Cum	th= 4 2 2 2 2 17 17 1 2 5 5 5	259.90 25.1 16.6 18.8 14.8 8.1 14.5 15.9 28.4 20.4	0.00 1.1 1.1 1.1 1.1 1.1 1.1 1.1	0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	55.2 18.2 20.6 16.2 75.7 7.5 17.4 17.4 78 56
1 2 3 4 5 6 7 8 9 10	RCC Pipe Crossing- GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 3rd Cross Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn.	Total Leng Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	th= 4 2 2 2 17 1 1 2 5 5 5 2	259.90 255.1 16.6 18.8 14.8 8.1 14.5 15.9 28.4 20.4 20.4 21.5	0.00 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1	0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	55.2 18.2 20.6 16.2 75.7 7.9 17.4 78 56 23.6
1 2 3 4 5 6 7 8 9 10 11	RCC Pipe Crossing- GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road	Total Lenc Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	th= 4 2 2 2 2 2 17 1 1 2 5 5 5 2 8	259.90 255.1 16.6 18.8 14.8 8.1 14.5 15.9 28.4 20.4 20.4 21.5 10.3	0.00 1.1 1.1 1.1 1.1 1.1 1.1 1.1	0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	55.2 18.2 20.6 16.2 75.7 7.9 17.2 78 56 23.6 45.3
1 2 3 4 5 6 7 8 9 10 11	RCC Pipe Crossing- GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 3rd Cross Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn.	Total Leng Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	th= 4 2 2 2 17 1 1 2 5 5 5 2	259.90 255.1 16.6 18.8 14.8 8.1 14.5 15.9 28.4 20.4 20.4 20.4 21.5 10.3 21.4	0.00 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1	0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	55.2 18.2 20.6 16.2 75.7 7.9 17.4 78 56 23.6 45.3 23.5
1 2 3 4 5 6 7 8 9 10 11	RCC Pipe Crossing- GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road	Total Lenc Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	th= 4 2 2 2 2 2 17 1 1 2 5 5 5 2 8	259.90 255.1 16.6 18.8 14.8 8.1 14.5 15.9 28.4 20.4 20.4 21.5 10.3	0.00 1.1 1.1 1.1 1.1 1.1 1.1 1.1	0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	55.2 18.2 20.6 16.2 75.7 7.9 17.2 78 56 23.6 45.3
1 2 3 4 5 6 7 8 9 10 11	RCC Pipe Crossing- GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 3rd Cross Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road	Total Leng Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	th= 4 2 2 2 2 2 17 1 1 2 5 5 5 2 8	259.90 255.1 16.6 18.8 14.8 8.1 14.5 15.9 28.4 20.4 20.4 20.4 21.5 10.3 21.4	0.00 1.1 1.1 1.1 1.1 1.1 1.1 1.1	0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	55.2 18.2 20.6 16.2 75.7 7.5 17.4 78 56 23.6 45.3 23.5
1 2 3 4 5 6 7 8 9 10 11	RCC Pipe Crossing- GHS Road P.M.Rao Road P.M.Rao Road GHS Cross Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 1st Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road J.M.1st Cross Road KSRB 2-4 : Refilling available earth around pipe lines, cables in layers not exceeding	Total Leng Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	th= 4 2 2 2 2 2 17 1 1 2 5 5 5 2 8	259.90 255.1 16.6 18.8 14.8 8.1 14.5 15.9 28.4 20.4 20.4 20.4 21.5 10.3 21.4	0.00 1.1 1.1 1.1 1.1 1.1 1.1 1.1	0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	55.2 18.2 20.6 16.2 75.7 7.5 17.4 78 56 23.6 45.3 23.5
1 2 3 4 5 6 7 8 9 10 11	RCC Pipe Crossing- GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 3rd Cross Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. 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	Total Leng Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	th= 4 2 2 2 2 2 17 1 1 2 5 5 5 2 8	259.90 255.1 16.6 18.8 14.8 8.1 14.5 15.9 28.4 20.4 20.4 20.4 21.5 10.3 21.4	0.00 1.1 1.1 1.1 1.1 1.1 1.1 1.1	0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	55.2 18.2 20.6 16.2 75.7 7.5 17.4 78 56 23.6 45.3 23.5
1 2 3 4 5 6 7 8 9 10 11 12	RCC Pipe Crossing- GHS Road P.M.Rao Road P.M.Rao Road GHS Cross Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 1st Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road J.M.1st Cross Road KSRB 2-4 : Refilling available earth around pipe lines, cables in layers not exceeding	Total Leng Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	th= 4 2 2 2 2 2 17 1 1 2 5 5 5 2 8	259.90 255.1 16.6 18.8 14.8 8.1 14.5 15.9 28.4 20.4 20.4 20.4 21.5 10.3 21.4	0.00 1.1 1.1 1.1 1.1 1.1 1.1 1.1	0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	55.2 18.2 20.6 16.2 75.7 7.9 17.4 78 56 23.6 45.3 23.5
1 2 3 4 5 6 7 8 9 10 11 12	RCC Pipe Crossing- GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road GHS Cross Road Withoba Temple Road Maidan 1st Cross Road Maidan 3rd Cross Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road J.M.1st Cross Road Mission Street Road-Extn. 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.	Total Leng Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	th= 4 2 2 2 2 2 17 1 1 2 5 5 5 2 8	259.90 255.1 16.6 18.8 14.8 8.1 14.5 15.9 28.4 20.4 20.4 20.4 21.5 10.3 21.4	0.00 1.1 1.1 1.1 1.1 1.1 1.1 1.1	0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	55.2 18.2 20.6 16.2 75.7 7.5 7.7 7.5 7.5 7.7 7.5 7.5 7.5 7.
1 2 3 4 5 6 7 8 9 10 11 12	RCC Pipe Crossing- GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road GHS Cross Road Withoba Temple Road Maidan 1st Cross Road Maidan 3rd Cross Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road J.M.1st Cross Road Mission Street Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. 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. Total Excavation	Total Lenc Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	th= 4 2 2 2 2 2 17 1 1 2 5 5 5 2 8	259.90 255.1 16.6 18.8 14.8 8.1 14.5 15.9 28.4 20.4 21.5 10.3 21.4 Total Qty.	0.00 1.1 1.1 1.1 1.1 1.1 1.1 1.1	0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	55.2 18.2 20.6 16.2 75.7 7.5 17.4 78 56 23.6 45.3 23.5
1 2 3 4 5 6 7 8 9 10 11 12	RCC Pipe Crossing- GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Withoba Temple Road Maidan 1st Cross Road Maidan 1st Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road 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. Total Excavation Pipe Volume-Dia 225mm	Total Leng Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	th= 4 2 2 2 2 2 17 1 1 2 5 5 5 2 8	259.90 255.1 16.6 18.8 14.8 8.1 14.5 15.9 28.4 20.4 20.4 21.5 10.3 21.4 Total Qty.	0.00 1.1 1.1 1.1 1.1 1.1 1.1 1.1	0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	55.2 18.2 20.6 16.2 75.7 7.5 7.7 7.7 78 56 23.6 45.3 23.6 41411.21
1 2 3 4 5 6 7 8 9 10 11 12 12	RCC Pipe Crossing- GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road GHS Cross Road Withoba Temple Road Maidan 1st Cross Road Maidan 3rd Cross Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road J.M.1st Cross Road Mission Street Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. 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. Total Excavation	Total Lenc Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	ath= 4 2 2 2 2 2 2 2 2 17 1 1 2 5 5 5 2 2 8 8 2 2	259.90 255.1 16.6 18.8 14.8 8.1 14.5 15.9 28.4 20.4 21.5 10.3 21.4 Total Qty.	0.00 1.1 1.1 1.1 1.1 1.1 1.1 1.1	0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	55 18 20.6 16 75 75 7.9 17 78 56 23.6 45 23.6 41411.21
1 2 3 4 5 6 7 8 9 10 11 12 12	RCC Pipe Crossing- GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 3rd Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road 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. Total Excavation Pipe Volume-Dia 225mm GHS Road	Total Lenc Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	ath= 4 2 2 2 2 2 17 1 1 2 5 5 2 2 8 8 2 2 	259.90 255.1 16.6 18.8 14.8 8.1 14.5 15.9 28.4 20.4 20.4 20.4 21.5 10.3 21.4 Total Qty. Length 370 178	0.00 1.1 1.1 1.1 1.1 1.1 1.1 1.1	0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	55 18 20.0 16 75. 7 78. 566 23.0 45 23 41411.21 41411.21 -174.88
1 2 3 4 5 6 7 8 9 10 11 12 12 12	RCC Pipe Crossing- GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 3rd Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. 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. Total Excavation Pipe Volume-Dia 225mm GHS Road P.M.Rao Road	Total Lenc Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	th= 4 2 2 2 2 2 17 1 1 2 5 5 5 2 2 8 8 2 2 2 5 5 2 2 8 8 2 2 2 17 7 1 2 5 5 5 5 2 2 8 8 2 2 2 2 2 2 2 2 2 2 2	259.90 255.1 16.6 18.8 14.8 8.1 14.5 15.9 28.4 20.4 21.5 10.3 21.4 Total Qty. Length 370 178 194 180	0.00 1.1 1.1 1.1 1.1 1.1 1.1 1.1	0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	55.2 18.2 20.6 16.2 75.1 75.1 75.1 75.1 75.1 75.1 75.1 75.1
1 2 3 4 5 6 7 8 9 10 11 12 12 12 12 12 3 4 5	RCC Pipe Crossing- GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Withoba Temple Road Maidan 1st Cross Road Maidan 1st Cross Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. 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. Total Excavation Pipe Volume-Dia 225mm GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road GHS Cross Road	Total Leng Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	th= 4 2 2 2 2 17 1 1 2 5 5 5 2 2 8 8 2 2 5 5 5 2 2 8 8 2 2 17 7 1 2 5 5 5 5 2 2 8 8 2 2 17 7 17 1 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	259.90 255.1 16.6 18.8 14.8 8.1 14.5 15.9 28.4 20.4 21.5 10.3 21.4 Total Qty. Length 370 178 194 180 482	0.00 1.1 1.1 1.1 1.1 1.1 1.1 1.1	0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	55.2 18.2 20.6 16.2 75.7 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.
1 2 3 4 5 6 7 8 9 9 10 11 12 12 12 12 12 3 4 5 6	RCC Pipe Crossing- GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Withoba Temple Road Maidan 1st Cross Road Maidan 1st Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road J.M.1st Cross Road Mission Street Road-Extn. J.M.1st Cross Road Sin Alabi - Kanadak Road Mission Street Road-Extn. Sin Street Road-Extn. J.M.1st Cross Road Sin Alabi - Kanadak Road Mission Street Road-Extn. Sin Alabi - Kanadak Road KSRB 2-4 : Refilling available earth around pipe lines, cables in layers not exceeding Q0cms 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. Total Excavation Pipe Volume-Dia 225mm GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road	Total Lenc Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	th= 4 2 2 2 2 2 2 2 17 1 1 2 5 5 2 2 2 8 8 2 2 2 8 8 2 2 2 8 8 2 2 2 8 8 2 2 2 8 8 2 2 2 8 8 2	259.90 255.1 16.6 18.8 14.8 8.1 14.5 15.9 28.4 20.4 21.5 10.3 21.4 Total Qty. Length 370 178 194 180 482 90	0.00 1.1 1.1 1.1 1.1 1.1 1.1 1.1	0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	55.2 18.2 20.6 16.2 75.7 7.9 17.4 78 56 23.6 45.3 23.5 41411.21 -174.88 -56.09 -61.13 -56.72 -227.82 0.00
1 2 3 4 5 6 7 8 9 10 11 12 12 12 12 12 3 4 5 6 7	RCC Pipe Crossing- GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 1st Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. 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. Total Excavation Pipe Volume-Dia 225mm GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 1st Cross Road Maidan 3rd Cross Road	Total Lenc Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	th= 4 2 2 2 2 2 2 2 17 1 1 2 5 5 2 2 3 5 5 2 2 3 8 8 2 2 3 5 5 2 2 3 5 5 2 2 3 5 5 2 2 3 5 5 5 2 2 3 5 5 5 2 2 3 5 5 5 2 2 3 5 5 5 2 2 2 2	259.90 255.1 16.6 18.8 14.8 8.1 14.5 15.9 28.4 20.4 21.5 10.3 21.4 Total Qty. Total Qty. Length 370 178 194 180 482 90 186	0.00 1.1 1.1 1.1 1.1 1.1 1.1 1.1	0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	55.2 18.2 20.6 16.2 75.7 7.9 17.4 78 56 23.6 45.3 23.5 41411.21 -174.88 -56.09 -61.13 -56.72 -227.82 0.00 -87.91
1 2 3 4 5 6 7 8 9 10 11 12 12 12 12 12 3 4 5 6 7 8	RCC Pipe Crossing- GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 3rd Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Maidan 4th Cross Road Mision Street Road-Extn. J.M.1st Cross Road 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. Total Excavation Pipe Volume-Dia 225mm GHS Road GHS Road P.M.Rao Road GHS Road P.M.Rao Road GHS Cross Road Vithoba Temple Road GHS Cross Road Maidan 1st Cross Road Maidan 1st Cross Road Maidan 3rd Cross Road Maidan 1st Cross Road Maidan 1st Cross Road Maidan 1st Cross Road	Total Lenc Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	th= 4 2 2 2 2 2 17 1 1 2 5 5 5 2 2 8 8 2 2 3 5 5 5 5 5 2 2 2 8 8 2 2 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	259.90 255.1 16.6 18.8 14.8 8.1 14.5 15.9 28.4 20.4 21.5 10.3 21.4 Total Qty. Length 370 178 194 180 482 90 186 440	0.00 1.1 1.1 1.1 1.1 1.1 1.1 1.1	0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	55.2 18.2 20.6 16.2 75.7 7.5 17.4 78 56 23.6 415.3 23.5 41411.21 -174.88 -56.09 -61.13 -56.72 -227.82 0.00 -87.91 -207.97
1 2 3 4 5 6 7 8 9 10 11 12 12 12 12 12 12 2 3 4 5 6 7 8 9 9	RCC Pipe Crossing- GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 1st Cross Road Maidan 3rd Cross Road Bibi Alabi - Kanadak Road Bibi Alabi - Kanadak Road Maidan 3rd Cross Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. Vitnoba Temple Road Adapter by ramming after watering with lead upto 50m, and lift upto 1.5 m. including cost of all labour complete as per specifications. Total Excavation Pipe Volume-Dia 225mm GHS Road GHS Road P.M.Rao Road GHS Cross Road Vithoba Temple Road GHS Cross Road Maidan 1st Cross Road Maidan 1st Cross Road Dibi Alabi Road Bibi Alabi Road	Total Leng Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	th= 4 2 2 2 17 1 2 5 5 2 8 8 2 2 8 8 2 2 8 8 -12 -12 -8 8 -8 -8 -8 -12 0 0 -12 -12 -12 -12 -12 -12 -12 -12	259.90 255.1 16.6 18.8 14.8 8.1 14.5 15.9 28.4 20.4 21.5 10.3 21.4 Total Qty. Length 370 178 194 180 482 90 186 440 460	0.00 1.1 1.1 1.1 1.1 1.1 1.1 1.1	0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	55.2 18.2 20.6 16.2 75.7 7.9 17.4 78 56 23.6 415.3 23.5 41411.21 -174.88 -56.09 -61.13 -56.72 -227.82 0.00 -87.91 -207.97 -217.42
1 2 3 4 5 6 7 8 9 10 11 12 12 12 12 12 12 12 5 6 7 8 9 10 11 12 12 12 12 10 11 12 12 10 10 11 12 12 12 12 10 10 11 12 12 12 12 10 11 12 12 12 12 12 12 12 12 12	RCC Pipe Crossing- GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 3rd Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Maidan 4th Cross Road Mision Street Road-Extn. J.M.1st Cross Road 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. Total Excavation Pipe Volume-Dia 225mm GHS Road GHS Road P.M.Rao Road GHS Road P.M.Rao Road GHS Cross Road Vithoba Temple Road GHS Cross Road Maidan 1st Cross Road Maidan 1st Cross Road Maidan 3rd Cross Road Maidan 1st Cross Road Maidan 1st Cross Road Maidan 1st Cross Road	Total Lenc Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	th= 4 2 2 2 2 2 17 1 1 2 5 5 5 2 2 8 8 2 2 3 5 5 5 5 5 2 2 2 8 8 2 2 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	259.90 255.1 16.6 18.8 14.8 8.1 14.5 15.9 28.4 20.4 21.5 10.3 21.4 Total Qty. Length 370 178 194 180 482 90 186 440 440 440	0.00 1.1 1.1 1.1 1.1 1.1 1.1 1.1	0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	55.2 18.2 20.6 16.2 75.7 7.9 17.4 78. 566. 23.6 45.3 23.5 41411.21 -174.88 -56.09 -61.13 -56.72 -227.82 0.00 -87.91 -207.97

Sr. No.	Description	Unit	No's	L	в	Н	Qty.
	Pipe Volume-Dia 160mm						
1	GHS Road	Cum	-4	370	0.020		-29.74
2	P.M.Rao Road	Cum	-4	178	0.020		-14.31
3	Sharavu Temple Road	Cum	-4	194	0.020		-15.59
4	GHS Cross Road Vithoba Temple Road	Cum Cum	-4	180 482	0.020		-14.47 -38.75
6	Maidan 1st Cross Road	Cum	-4	90	0.020		-3.62
7	Maidan 1st Gross Road Maidan 3rd Cross Road	Cum	-4	186	0.020		-14.95
8	Bibi Alabi Road	Cum	-4	440	0.020		-35.37
9	Bibi Alabi - Kanadak Road	Cum	-4	460	0.020		-36.98
10	Maidan 4th Cross Road-Extn.	Cum	-4	195	0.020		-15.67
11	J.M.1st Cross Road	Cum	-4	238	0.020		-19.13
12	Mission Street Road-Extn.	Cum	-2	200	0.020		-8.04
	Elected Observation Visition	0	01.1	-			005.00
	Elctrical Chamber Volume	Cum Cum	-214	2	0.9		-385.20
	Concrete Volume of SWD	Cum	-1	4352.45			-4352.45
	PCC Volume of SWD	Cum	-1	479.58			-479.58
	Void Area of SWD						
	Road No.1 G.H.S.Road			Sides	1.00		
	Node-MH-633 to MH-634			Width	0.75		
	Base	Cum	1.00		0.75	1.39	41.60
	Node-MH-634 to MH-635	<u> </u>	1.00	Width	0.75	1.00	15.00
	Base	Cum	1.00		0.75	1.22	45.02
	Node-MH-635 to MH-636 Base	Cum	1.00	Width 24.10	0.75	1.38	24.94
		Cum	1.00	24.10	0.75	1.38	∠4.34
	Node-MH-636 to MH-637	1		Width	0.75		
	Base	Cum	1.00		0.75	1.23	49.98
	Node-MH-637 to MH-638			Width	0.75	0	
	Base	Cum	1.00		0.75	1.24	48.73
	Node-MH-638 to MH-639			Width	0.75		
	Base	Cum	1.00	31.90	0.75	1.27	30.27
	Node-MH-639 to MH-640	_		Width	0.75		
	Base	Cum	1.00	16.40	0.75	1.26	15.50
	Nodo MU 640 to MU 644			Width	1.20		
	Node-MH-640 to MH-641 Base	Cum	1.00		1.20	1.38	48.02
	Dase	Cum	1.00	29.00	1.20	1.50	40.02
	Node-MH-641 to MH-642			Width	1.20		
	Base	Cum	1.00		1.20	1.25	91.80
				Sides	1.00		
	Node-MH-797 to MH-798	-		Width	0.90		
	Base	Cum	1.00	40.20	0.90	1.67	60.24
				Width	0.00		
	Node-MH-798 to MH-799	Cum	1.00		0.90	1.50	36.45
	Base	Cum	1.00	27.00	0.90	1.50	36.45
	Node-MH-799 to MH-800			Width	0.90		
	Base	Cum	1.00		0.90	1.50	29.57
	Node-MH-800 to MH-802			Width	0.90		
	Base	Cum	1.00	79.60	0.90	1.42	101.73
<u> </u>	Node-MH-802 to MH-654	0	1.0-	Width	0.90	1.0-	F0 7 0
<u> </u>	Base	Cum	1.00	47.80	0.90	1.32	56.79
		+		Sides	1.00		
	Node-MH-803 to MH-804	-		Width	0.75		
	Base	Cum	1.00		0.75	1.36	50.91
<u> </u>		1					
	Node-MH-804 to MH-805	1		Width	0.75		
	Base	Cum	1.00		0.75	1.33	33.49
L	Node-MH-805 to O-85			Width	0.75		
	Base	Cum	1.00		0.75	1.26	41.76
<u> </u>		Total Leng	jth=	703.37			
	Deed No 2 D M Dee Deed						
	Road No.2-P.M.Rao Road			Sides	1.00		
	Node-MH-644	1		Width	0.90		
	Base	Cum	1.00		0.90	1.49	50.92
	Node-MH-645			Width	0.90		
	Base	Cum	1.00	26.80	0.90	1.66	40.04
	Node-MH-646			Width	0.90		4- 4-
	Base	Cum	1.00	32.50	0.90	1.55	45.19
	Node MH 647			\//idth	0.00		
	Node-MH-647	Cum	1.00	Width 46.40	0.90	1.23	51 26
	Base	Cum	1.00	40.40	0.90	1.23	51.36
	Node-MH-648	+		Width	0.90		
	Base	Cum	1.00		0.90	1.23	30.43
-					5.00	0	
	Node-MH-639	İ		Width	0.90		

	Description	Unit Cum	No's 1.00	L 11.30	B 0.90	H 1.24	Qty.
-+	Base	Total Leng		182.70	0.90	1.24	12.61
-		Total Long		102.70			
	Road No.3-Sharavu Temple Road						
				Sides	1.00		
	Node-MH-649 to MH-650	0	1.00	Width	0.75	4.00	44.05
	Base	Cum	1.00	42.80	0.75	1.29	41.25
-	Node-MH-650 to MH-651			Width	0.75		
	Base	Cum	1.00		0.75	1.39	53.29
	Node-MH-651 to MH-652			Width	0.75		
	Base	Cum	1.00	23.80	0.75	1.22	21.69
				10/:	0.75		
	Node-MH-652 to MH-653 Base	Cum	1.00	Width 25.10	0.75 0.75	1.22	22.97
	Dase	Cum	1.00	25.10	0.75	1.22	22.91
	Node-MH-653 to O-76			Width	0.75		
	Base	Cum	1.00		0.75	1.22	35.50
		Total Leng	gth=	181.80			
	Road No.4-G.H.S. Cross Road			0.1	4.00		
				Sides	1.00		
	Node-MH-654 to MH-655 Base	Cum	1.00	Width 12.80	0.75 0.75	1.26	12.0
-+	שמשק	Cum	1.00	12.00	0.75	1.26	12.05
\dashv	Node-MH-655 to MH-656			Width	0.75		
	Base	Cum	1.00		0.75	1.49	27.62
	Node-MH-656 to MH-657			Width	0.75		
	Base	Cum	1.00	24.70	0.75	1.23	22.6
				14/:-#	A ===		
	Node-MH-657 to MH-658	0	1.00	Width	0.75	1.00	46.0
-+	Base	Cum	1.00	17.60	0.75	1.22	16.04
-	Node-MH-658to MH-659			Width	0.75		
	Base	Cum	1.00		0.75	1.43	48.80
	5000	- Cuili		10100	0110		
	Node-MH-659 to MH-660			Width	0.75		
1	Base	Cum	1.00	30.10	0.75	1.29	29.01
	Node-MH-660 to O-77			Width	0.75		
	Base	Cum	1.00	24.10	0.75	1.21	21.87
		Total Leng	nth-	179.60			
			Jui —	179.00			
	Road No.5-Vithoba Temple Road						
				Sides	1.00		
	Node-MH-796 to MH-662			Width	0.90		
	Base	Cum	1.00	14.70	0.90	1.30	17.13
				Width	0.90		
	Node-MH-662 to MH-663 Base						
		Cum	1 00			1 49	168 5
1		Cum	1.00		0.90	1.49	168.5
	Node-MH-663 to MH-664	Cum	1.00			1.49	168.5
		Cum	1.00	126.10 Width 36.70	0.90	1.49	
	Node-MH-663 to MH-664	Cum	1.00	126.10 Width 36.70 Width	0.90 0.90 0.90 0.90	1.55	51.20
	Node-MH-663 to MH-664 Base			126.10 Width 36.70 Width	0.90 0.90 0.90		51.20
	Node-MH-663 to MH-664 Base Node-MH-664 to MH-665 Base	Cum	1.00	126.10 Width 36.70 Width 26.70	0.90 0.90 0.90 0.90 0.90	1.55	51.20
	Node-MH-663 to MH-664 Base Node-MH-664 to MH-665 Base Node-MH-665 to MH-666	Cum	1.00	126.10 Width 36.70 Width 26.70 Width	0.90 0.90 0.90 0.90 0.90 0.90	1.55 1.53	51.20
	Node-MH-663 to MH-664 Base Node-MH-664 to MH-665 Base	Cum	1.00	126.10 Width 36.70 Width 26.70 Width	0.90 0.90 0.90 0.90 0.90	1.55	51.2 36.6
	Node-MH-663 to MH-664 Base Node-MH-664 to MH-665 Base Node-MH-665 to MH-666 Base	Cum	1.00	126.10 Width 36.70 Width 26.70 Width	0.90 0.90 0.90 0.90 0.90 0.90	1.55 1.53	51.2 36.6
	Node-MH-663 to MH-664 Base Node-MH-664 to MH-665 Base Node-MH-665 to MH-666	Cum	1.00	126.10 Width 36.70 Width 26.70 Width 16.20 Width	0.90 0.90 0.90 0.90 0.90 0.90 0.90	1.55 1.53	51.2 36.6 22.3
	Node-MH-663 to MH-664 Base Node-MH-664 to MH-665 Base Node-MH-665 to MH-666 Base Node-MH-665 to MH-666 Base Node-MH-666 to MH-667	Cum Cum Cum	1.00 1.00 1.00	126.10 Width 26.70 Width 16.20 Width 87.90	0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90	1.55 1.53 1.53	51.20 36.65 22.3
	Node-MH-663 to MH-664 Base Node-MH-664 to MH-665 Base Node-MH-665 to MH-666 Base Node-MH-665 to MH-666 Base Node-MH-666 to MH-667	Cum Cum Cum Cum	1.00 1.00 1.00 1.00	126.10 Width 26.70 Width 16.20 Width 87.90 Width	0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90	1.55 1.53 1.53 1.53	51.20 36.63 22.3 121.0
	Node-MH-663 to MH-664 Base Node-MH-664 to MH-665 Base Node-MH-665 to MH-666 Base Node-MH-666 to MH-667 Base	Cum Cum Cum	1.00 1.00 1.00	126.10 Width 26.70 Width 16.20 Width 87.90 Width	0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90	1.55 1.53 1.53	51.2 36.6 22.3 121.0
	Node-MH-663 to MH-664 Base Node-MH-664 to MH-665 Base Node-MH-665 to MH-666 Base Node-MH-666 to MH-667 Base Node-MH-667 to MH-668 Base	Cum Cum Cum Cum	1.00 1.00 1.00 1.00	126.10 Width 26.70 Width 16.20 Width 87.90 Width 18.30	0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90	1.55 1.53 1.53 1.53	51.20 36.63 22.3 121.0
	Node-MH-663 to MH-664 Base Node-MH-664 to MH-665 Base Node-MH-665 to MH-666 Base Node-MH-666 to MH-667 Base Node-MH-667 to MH-668 Base	Cum Cum Cum Cum Cum Cum	1.00 1.00 1.00 1.00 1.00	126.10 Width 26.70 Width 16.20 Width 87.90 Width 18.30 Width	0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90	1.55 1.53 1.53 1.53 1.53 1.53	51.20 36.64 22.3 121.0 27.4
	Node-MH-663 to MH-664 Base Node-MH-664 to MH-665 Base Node-MH-665 to MH-666 Base Node-MH-666 to MH-667 Base Node-MH-667 to MH-668 Base	Cum Cum Cum Cum	1.00 1.00 1.00 1.00	126.10 Width 26.70 Width 16.20 Width 87.90 Width 18.30 Width	0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90	1.55 1.53 1.53 1.53	51.20 36.64 22.3 121.0 27.4
	Node-MH-663 to MH-664 Base Node-MH-664 to MH-665 Base Node-MH-665 to MH-666 Base Node-MH-666 to MH-667 Base Node-MH-667 to MH-668 Base Node-MH-668 to MH-669 Base	Cum Cum Cum Cum Cum Cum	1.00 1.00 1.00 1.00 1.00	126.10 Width 26.70 Width 16.20 Width 87.90 Width 18.30 Width 64.50	0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90	1.55 1.53 1.53 1.53 1.53 1.53	51.20 36.60 22.3 121.0 27.4
	Node-MH-663 to MH-664 Base Node-MH-664 to MH-665 Base Node-MH-665 to MH-666 Base Node-MH-666 to MH-667 Base Node-MH-667 to MH-668 Base	Cum Cum Cum Cum Cum Cum	1.00 1.00 1.00 1.00 1.00	126.10 Width 26.70 Width 16.20 Width 87.90 Width 18.30 Width 64.50 Width	0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90	1.55 1.53 1.53 1.53 1.53 1.53	51.2 36.6 22.3 121.0 27.4 184.6
	Node-MH-663 to MH-664 Base Node-MH-664 to MH-665 Base Node-MH-665 to MH-666 Base Node-MH-666 to MH-667 Base Node-MH-667 to MH-668 Base Node-MH-668 to MH-669 Base	Cum Cum Cum Cum Cum Cum Cum	1.00 1.00 1.00 1.00 1.00 1.00	126.10 Width 26.70 Width 16.20 Width 87.90 Width 18.30 Width 64.50 Width	0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90	1.55 1.53 1.53 1.53 1.53 1.67 2.39	51.24 36.65 22.3 121.0 27.42 184.6
	Node-MH-663 to MH-664 Base Node-MH-664 to MH-665 Base Node-MH-665 to MH-666 Base Node-MH-666 to MH-667 Base Node-MH-667 to MH-668 Base Node-MH-668 to MH-669 Base	Cum Cum Cum Cum Cum Cum Cum	1.00 1.00 1.00 1.00 1.00 1.00 1.00	126.10 Width 26.70 Width 16.20 Width 87.90 Width 18.30 Width 64.50 Width 37.10 Width	0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90	1.55 1.53 1.53 1.53 1.53 1.67 2.39 2.93	51.20 36.63 22.3 121.0 27.4 184.6 130.2
	Node-MH-663 to MH-664 Base Node-MH-664 to MH-665 Base Node-MH-665 to MH-666 Base Node-MH-666 to MH-667 Base Node-MH-667 to MH-668 Base Node-MH-668 to MH-669 Base	Cum Cum Cum Cum Cum Cum Cum	1.00 1.00 1.00 1.00 1.00 1.00	126.10 Width 26.70 Width 16.20 Width 87.90 Width 18.30 Width 64.50 Width 37.10 Width	0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90	1.55 1.53 1.53 1.53 1.53 1.67 2.39	51.20 36.63 22.3 121.0 27.4 184.6 130.2
	Node-MH-663 to MH-664 Base Node-MH-664 to MH-665 Base Node-MH-665 to MH-666 Base Node-MH-666 to MH-667 Base Node-MH-667 to MH-668 Base Node-MH-668 to MH-669 Base Node-MH-669 to MH-670 Base	Cum Cum Cum Cum Cum Cum Cum Cum	1.00 1.00 1.00 1.00 1.00 1.00 1.00	126.10 Width 26.70 Width 16.20 Width 87.90 Width 18.30 Width 64.50 Width 37.10 Width 21.10	0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90	1.55 1.53 1.53 1.53 1.53 1.67 2.39 2.93	51.20 36.63 22.3 121.0 27.4 184.6 130.2
	Node-MH-663 to MH-664 Base Node-MH-664 to MH-665 Base Node-MH-665 to MH-666 Base Node-MH-666 to MH-667 Base Node-MH-667 to MH-668 Base Node-MH-668 to MH-669 Base Node-MH-669 to MH-670 Base Node-MH-669 to MH-671 Base Node-MH-670 to MH-671 Base	Cum Cum Cum Cum Cum Cum Cum Cum Cum	1.00 1.00 1.00 1.00 1.00 1.00 1.00	126.10 Width 26.70 Width 16.20 Width 87.90 Width 18.30 Width 37.10 Width 21.10 Width	0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90	1.55 1.53 1.53 1.53 1.53 1.67 2.39 2.93 2.93 2.78	51.20 36.60 222.3 121.0 27.40 184.6 130.2 70.3
	Node-MH-663 to MH-664 Base Node-MH-664 to MH-665 Base Node-MH-665 to MH-666 Base Node-MH-666 to MH-667 Base Node-MH-667 to MH-668 Base Node-MH-668 to MH-669 Base Node-MH-669 to MH-670 Base	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	126.10 Width 26.70 Width 16.20 Width 87.90 Width 18.30 Width 64.50 Width 37.10 Width 21.10 Width 21.10	0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90	1.55 1.53 1.53 1.53 1.53 1.67 2.39 2.93	51.2 36.6 22.3 121.0 27.4 184.6 130.2 70.3
	Node-MH-663 to MH-664 Base Node-MH-664 to MH-665 Base Node-MH-665 to MH-666 Base Node-MH-666 to MH-667 Base Node-MH-667 to MH-668 Base Node-MH-668 to MH-669 Base Node-MH-669 to MH-670 Base Node-MH-669 to MH-671 Base Node-MH-670 to MH-671 Base	Cum Cum Cum Cum Cum Cum Cum Cum Cum	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	126.10 Width 26.70 Width 16.20 Width 87.90 Width 18.30 Width 37.10 Width 21.10 Width	0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90	1.55 1.53 1.53 1.53 1.53 1.67 2.39 2.93 2.93 2.78	51.2 36.6 22.3 121.0 27.4 184.6 130.2 70.3
	Node-MH-663 to MH-664 Base Node-MH-664 to MH-665 Base Node-MH-665 to MH-666 Base Node-MH-666 to MH-667 Base Node-MH-667 to MH-668 Base Node-MH-668 to MH-669 Base Node-MH-669 to MH-670 Base Node-MH-669 to MH-671 Base Node-MH-670 to MH-671 Base	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	126.10 Width 26.70 Width 16.20 Width 87.90 Width 18.30 Width 64.50 Width 37.10 Width 21.10 Width 21.10	0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90	1.55 1.53 1.53 1.53 1.53 1.67 2.39 2.93 2.93 2.78	51.2 36.6 22.3 121.0 27.4 184.6 130.2 70.3
	Node-MH-663 to MH-664 Base Node-MH-664 to MH-665 Base Node-MH-665 to MH-666 Base Node-MH-666 to MH-667 Base Node-MH-667 to MH-668 Base Node-MH-668 to MH-669 Base Node-MH-669 to MH-670 Base Node-MH-670 to MH-671 Base Node-MH-671 to O-78 Base	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	126.10 Width 26.70 Width 16.20 Width 87.90 Width 18.30 Width 64.50 Width 37.10 Width 21.10 Width 21.10	0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90	1.55 1.53 1.53 1.53 1.53 1.67 2.39 2.93 2.93 2.78	51.20 36.60 222.3 121.0 27.40 184.6 130.2 70.3
	Node-MH-663 to MH-664 Base Node-MH-664 to MH-665 Base Node-MH-665 to MH-666 Base Node-MH-666 to MH-667 Base Node-MH-667 to MH-668 Base Node-MH-668 to MH-669 Base Node-MH-669 to MH-670 Base Node-MH-669 to MH-671 Base Node-MH-670 to MH-671 Base	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	126.10 Width 26.70 Width 16.20 Width 87.90 Width 18.30 Width 64.50 Width 37.10 Width 21.10 Width 21.10	0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90	1.55 1.53 1.53 1.53 1.53 1.67 2.39 2.93 2.93 2.78	51.20 36.63 222.3 121.0 27.43 184.6 130.2 70.30
	Node-MH-663 to MH-664 Base Node-MH-664 to MH-665 Base Node-MH-665 to MH-666 Base Node-MH-666 to MH-667 Base Node-MH-667 to MH-668 Base Node-MH-668 to MH-669 Base Node-MH-669 to MH-670 Base Node-MH-670 to MH-671 Base Node-MH-671 to O-78 Base	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	126.10 Width 26.70 Width 16.20 Width 87.90 Width 18.30 Width 64.50 Width 37.10 Width 21.10 Width 21.10	0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90 1.20 1.20 1.20 1.20 1.20 1.20 1.20	1.55 1.53 1.53 1.53 1.53 1.67 2.39 2.93 2.93 2.78	51.20 36.63 222.3 121.0 27.43 184.6 130.2 70.30
	Node-MH-663 to MH-664 Base Node-MH-664 to MH-665 Base Node-MH-665 to MH-666 Base Node-MH-666 to MH-667 Base Node-MH-666 to MH-667 Base Node-MH-666 to MH-667 Base Node-MH-667 to MH-668 Base Node-MH-668 to MH-669 Base Node-MH-669 to MH-670 Base Node-MH-670 to MH-671 Base Node-MH-671 to O-78 Base Road No.7-Maidan 1st Cross Road	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	126.10 Width 26.70 Width 16.20 Width 87.90 Width 18.30 Width 64.50 Width 37.10 Width 21.10 Width 27.40 476.70 Sides Width	0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90	1.55 1.53 1.53 1.53 1.53 1.67 2.39 2.93 2.93 2.78	51.20 36.69 22.37 121.0 27.42 184.6 130.2 70.39 83.68
	Node-MH-663 to MH-664 Base Node-MH-664 to MH-665 Base Node-MH-665 to MH-666 Base Node-MH-666 to MH-667 Base Node-MH-666 to MH-667 Base Node-MH-666 to MH-667 Base Node-MH-667 to MH-668 Base Node-MH-668 to MH-669 Base Node-MH-669 to MH-670 Base Node-MH-670 to MH-671 Base Node-MH-671 to O-78 Base Road No.7-Maidan 1st Cross Road Node-MH-680 to O-81	Cum	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	126.10 Width 26.70 Width 16.20 Width 87.90 Width 18.30 Width 64.50 Width 37.10 Width 21.10 Width 27.40 476.70 Sides Width	0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90 1.20 1.00	1.55 1.53 1.53 1.53 1.53 1.53 2.39 2.39 2.93 2.78 2.55 2.55	168.5 51.20 36.65 22.3 121.0 27.42 184.6 130.2 70.33 83.66

No.	Description	Unit Total Leng	No's	L 199.30	В	Н	Qty.
	Road No.8-Maidan 3rd Cross Road						
				Sides	1.00		
	Node-MH-682 to MH-683 Base	Cum	1.00	Width 29.90	0.90		40.77
		Oum			0.00	1.02	40.77
	Node-MH-683 to MH-684			Width	0.90		
	Base	Cum	1.00	44.80	0.90	1.51	60.88
	Node-MH-684 to MH-685			Width	1.20		
	Base	Cum	1.00	65.70	1.20	1.81	142.70
	Node-MH-685 to MH-686			Width	1.20		
	Base	Cum	1.00		1.20	2.01	78.44
				\ \ / ; altin	4.00		
	Node-MH-686 to MH-691 Base	Cum	1.00	Width 8.10	1.20 1.20	1.92	18.61
	2000	0 dilli		0110			10101
	Node-MH-687 to MH-688	0	1.00	Width	0.60	1.00	00.04
	Base	Cum	1.00	31.20	0.60	1.22	22.84
	Node-MH-688 to MH-689			Width	0.60		
	Base	Cum	1.00	55.30	0.60	1.32	43.80
	Node-MH-689 to MH-690			Width	0.60		
	Node-Min-689 to Min-690 Base	Cum	1.00		0.60	1.56	34.99
							-
	Node-MH-690 to MH-691	Cum	1.00	Width 51.00	0.60	1 64	50.18
	Base	Total Leng		356.10	0.60	1.64	JU. 18
	Road No.9-Bibi Alabi Road	<u> </u>		Cidee	1.00	Ţ	
	Node-MH-692 to MH-693			Sides Width	1.00 0.60		
	Base	Cum	1.00		0.60	1.74	49.86
	Node-MH-693 to MH-680 Base	Cum	1.00	Width 6.00	0.60	1.71	6.16
	Dase	Cum	1.00	0.00	0.00	1.71	0.10
	Node-MH-694 to MH-695			Width	0.60		
	Base	Cum	1.00	12.60	0.60	1.37	10.32
	Node-MH-695 to MH-696			Width	0.60		
	Base	Cum	1.00		0.60	1.47	68.18
	Node-MH-696 to MH-697			Width	0.60	<u> </u>	
	Base	Cum	1.00		0.60		25.81
	Node-MH-697 to MH-698 Base	Cum	1.00	Width 100.20	0.60	1.27	76.05
	Dase	Cum	1.00	100.20	0.00	1.27	76.35
	Node-MH-698 to MH-699			Width	0.60		
	Base	Cum	1.00	36.40	0.60	1.40	30.58
	Node-MH-699 to MH-700			Width	0.60		
	Base	Cum	1.00		0.60		55.17
				\ \ / ; altila	0.00	┢──────┤	
	Node-MH-700 to MH-701 Base	Cum	1.00	Width 53.40	0.60		47.26
	5400	0 dilli			0.00		
	Node-MH-701 to O-83	<u> </u>		Width	0.60		
	Base	Cum	1.00	27.40	0.60	1.42	23.26
	Node-MH-703 to MH-704			Width	0.90		
	Base	Cum	1.00		0.90	1.47	294.55
	Node-MH-704 to MH-705			Width	0.90		
	Node-MH-704 to MH-705 Base	Cum	1.00				24.24
	Node-MH-705 to MH-706	Cum	1.00	Width 48.30	0.90		60.64
	Base	Cum	1.00	48.30	0.90	1.40	60.64
	Node-MH-706 to MH-707			Width	0.90		
]	Base	Cum	1.00	94.80	0.90	1.31	111.34
	Node-MH-707 to O-87			Width	0.90	·	
	Base	Cum	1.00	66.90	0.90		73.16
		Total Leng	th=	906.10			
						ł	
	Road 10-Bibi Alabi-Kandak Road						
		Г		Sides	1.00		
		-			0.00		
	Node-MH-709 to MH-710	Cum	1.00	Width	0.60		E7 40
	Node-MH-709 to MH-710 Base	Cum	1.00		0.60		57.19
		Cum Cum	1.00	62.30 Width		1.53	57.19 69.35

Ba Ba Nc Ba Ba Nc Ba Ba Nc Ba Ba Nc Ba Ba Nc Ba Ba Nc Ba Ba	ode-MH-686 to MH-691 ase ode-MH-691 to MH-711 ase ode-MH-711 to MH-712 ase ode-MH-712 to MH-713 ase ode-MH-713 to MH-714 ase ode-MH-714 to MH-715 ase ode-MH-715 to MH-716	Cum Cum Cum Cum Cum Cum	1.00 1.00 1.00 1.00 1.00	Width 28.90 Width 43.80 Width 10.80 Width	1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20	1.92 1.86 1.65 1.55	18.61 64.33 86.72 20.09
Ncc Ba Ncc Ba Ncc Ba Ncc Ba Ncc Ba Ncc Ba Ncc Ba Ba Ncc Ba Ba Ncc Ba	ode-MH-691 to MH-711 ase ode-MH-711 to MH-712 ase ode-MH-712 to MH-713 ase ode-MH-713 to MH-714 ase ode-MH-714 to MH-715 ase ode-MH-715 to MH-716 ase	Cum Cum Cum Cum	1.00	Width 28.90 Width 43.80 Width 10.80 Width	1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20	1.86 1.65	64.33 86.72
Ba Ba Ba Ba Ba Ba Ba Ba Ba Ba Ba Ba Ba B	ase ode-MH-711 to MH-712 ase ode-MH-712 to MH-713 ase ode-MH-713 to MH-714 ase ode-MH-714 to MH-715 ase ode-MH-715 to MH-716 ase ode-MH-716 to MH-717	Cum Cum Cum	1.00	28.90 Width 43.80 Width 10.80 Width	1.20 1.20 1.20 1.20 1.20 1.20	1.65	86.72
Nc Ba Nc Ba Nc Ba Nc Ba Nc Ba Nc Ba Nc Ba Nc Ba Ba	ode-MH-711 to MH-712 ase ode-MH-712 to MH-713 ase ode-MH-713 to MH-714 ase ode-MH-714 to MH-715 ase ode-MH-715 to MH-716 ase ode-MH-716 to MH-717	Cum Cum Cum	1.00	Width 43.80 Width 10.80 Width	1.20 1.20 1.20 1.20 1.20	1.65	86.72
Ba Ba Ncc Ba Ncc Ba Ncc Ba Sa Ncc Ba Sa Ncc Ba Sa Sa Sa Sa Sa Sa Sa Sa Sa Sa Sa Sa Sa	ase ode-MH-712 to MH-713 ase ode-MH-713 to MH-714 ase ode-MH-714 to MH-715 ase ode-MH-715 to MH-716 ase ode-MH-716 to MH-717	Cum Cum	1.00	43.80 Width 10.80 Width	1.20 1.20 1.20 1.20		
Nc Ba Nc Ba Nc Ba Nc Ba Nc Ba Nc Ba Nc Ba Ba Nc Ba	ode-MH-712 to MH-713 ase ode-MH-713 to MH-714 ase ode-MH-714 to MH-715 ase ode-MH-715 to MH-716 ase ode-MH-716 to MH-717	Cum Cum	1.00	Width 10.80 Width	1.20 1.20 1.20		
Ba Nc Ba Nc Ba Nc Ba Nc Ba Sa Sa Sa Sa Sa Sa Sa Sa Sa Sa Sa Sa Sa	ase ode-MH-713 to MH-714 ase ode-MH-714 to MH-715 ase ode-MH-715 to MH-716 ase ode-MH-716 to MH-717	Cum		10.80 Width	1.20 1.20	1.55	20.09
Ba Nc Ba Nc Ba Nc Ba Nc Ba Sa Sa Sa Sa Sa Sa Sa Sa Sa Sa Sa Sa Sa	ase ode-MH-713 to MH-714 ase ode-MH-714 to MH-715 ase ode-MH-715 to MH-716 ase ode-MH-716 to MH-717	Cum		10.80 Width	1.20 1.20	1.55	20.09
Ba Ba Nc Ba Nc Ba Sa Sa Sa Sa Sa Sa Sa Sa Sa Sa Sa Sa Sa	ase ode-MH-714 to MH-715 ase ode-MH-715 to MH-716 ase ode-MH-716 to MH-717	Cum	1.00				
Ba Nc Ba Nc Ba Nc Ba Ba Ba Ba	ase ode-MH-714 to MH-715 ase ode-MH-715 to MH-716 ase ode-MH-716 to MH-717		1.00				
Nc Ba Nc Ba Nc Ba Nc Ba Ba	ode-MH-714 to MH-715 ase ode-MH-715 to MH-716 ase ode-MH-716 to MH-717		1.00	25.20		1.54	46.42
Ba Nc Ba Nc Ba Nc Ba Ba Ba	ase ode-MH-715 to MH-716 ase ode-MH-716 to MH-717	Cum			1.20	1.54	40.42
Nc Ba Nc Ba Ba Ba Ba	ode-MH-715 to MH-716 ase ode-MH-716 to MH-717	Cum		Width	1.20		
Ba Nc Ba Nc Ba Ba	ase ode-MH-716 to MH-717		1.00	54.20	1.20	1.52	98.54
Nc Ba Nc Ba	ode-MH-716 to MH-717		-	Width	1.20		
Ba No Ba		Cum	1.00	28.60	1.20	1.52	51.99
Ba No Ba				Width	1.20		
Ba	ase	Cum	1.00		1.20	1.51	36.78
Ba							
	ode-MH-717 to MH-718	Cum	1.00	Width 11.30	1.20 1.20	1.52	20.54
No	400	Cum	1.00	11.30	1.20	1.02	20.54
	ode-MH-718 to MH-719			Width	1.20		
Ва	ase	Cum	1.00	50.70	1.20	1.52	92.17
Nc	ode-MH-719 to MH-720			Width	1.20		
	ase	Cum	1.00	34.50	1.20	1.51	62.51
\vdash		Total Leng	th=	454.00			
Rc	oad 11-Maidan 4th Cross Road-Extn						
				Sides	1.00		
	ode-MH-721 to MH-722	0	1.00	Width	0.60	1.00	
Ва	ase	Cum	1.00	43.80	0.60	1.22	32.06
Nc	ode-MH-722 to MH-723			Width	0.60		
Ba	ase	Cum	1.00	31.00	0.60	1.22	22.60
N	ode-MH-723 to MH-724			Width	0.60		
	ase	Cum	1.00		0.60	1.24	18.97
	ode-MH-724 to MH-725 ase	Cum	1.00	Width 59.00	0.60 0.60	1.46	51.68
	00	Call			0.00		01.00
	ode-MH-725 to MH-713	0	1.00	Width	0.60	4.70	
Ва	ase	Cum	1.00	33.80	0.60	1.78	36.00
Nc	ode-MH-726 to MH-727			Width	0.60		
Ba	ase	Cum	1.00	39.70	0.60	1.22	29.06
Nc	ode-MH-727 to MH-728			Width	0.60		
	ase	Cum	1.00		0.60	1.23	30.65
				0.00	0.00		
	ode-MH-728 to MH-729 ase	Cum	1.00	Width 91.70	0.90 0.90	1.44	118.43
		Call		00	0.00		
-	ode-MH-729 to MH-712		1.00	Width	0.90		0.4.70
Ba	ase	Cum	1.00	21.80	0.90	1.77	34.73
	ode-MH-712 to MH-713	1		Width	1.20		
Ba	ase	Cum	1.00		1.20	1.89	24.49
├ ── ├		Total Leng	ju i=	398.80			
Rc	oad 13-J.M 1st Cross Road						
				Sides	1.00		
	ode-MH-781 to MH-782 ase	Cum	1.00	Width 57.60	0.6 1.20	1.15	79.14
	ode-MH-782 to MH-783	C	4.00	Width	0.60		20.40
Ва	ase	Cum	1.00	30.60	1.20	0.91	33.42
3 No	ode-MH-783 to MH-784			Width	0.60		
Ba	ase	Cum	1.00	40.80	1.20	0.61	29.87
4 No	ode-MH-785 to MH-786			Width	0.60		
	ase	Cum	1.00		1.20	1.25	31.80
	ode-MH-786 to MH-787 ase	Cum	1.00	Width 21.80	0.90 1.50	1.22	39.73
	uuu	Juin	1.00	21.00	1.50	1.22	03.10
-	ode-MH-7787 to MH-788	-		Width	0.90		
Ba	ase	Cum	1.00	25.00	1.50	1.22	45.56
7 No	ode-MH-788 to MH-518			Width	1.20		
/ NC		Cum	1.00				40.76

Sr. No.	Description	Unit Total Lend	No's	L 211.8	В	Н	Qty.
	Road 15-Mission Street Road						
				Sides	1.00		
	Node-MH-781 to MH-782 Base	Cum	1.00	Width 32.40	1.00		57.54
	Dase	Cum	1.00	32.40	1.20	1.40	57.54
	Node-MH-782 to MH-783			Width	0.60		
	Base	Cum	1.00	23.20	0.60	1.33	18.44
	Node MH 702 to MH 704		<u> </u>	Width	0.60		
	Node-MH-783 to MH-784 Base	Cum	1.00				25.76
	2000						20110
	Node-MH-785 to MH-786			Width	0.60		
	Base	Cum	1.00	27.10	0.60	1.30	21.06
	Node-MH-786 to MH-787			Width	0.60		
	Base	Cum	1.00	41.70	0.60	1.24	31.02
			<u> </u>	14/: -141-	0.00		
	Node-MH-787 to MH-788 Base	Cum	1.00	Width 51.20	0.60		37.32
		Oum	1.00	01.20	0.00	1.22	01.02
	Node-MH-788 to MH-518			Width	0.60		
	Base	Cum	1.00			1.31	40.64
		Total Leng	jth=	259.90		of Void Area	-5691.41
		Cum		Total Qty.		Ji Volu Alea	28998.05
13	KSRRB 300-Compaction KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3						
	Pavement				l		
	Road No.1-GHS Road Ch.0 to Ch.10.00	Sqm	1	10	5.70	┨─────┤	57.00
	Ch.10.0 to Ch.60.00	Sqm	1				285.00
	Ch.60.00 to Ch.110.00	Sqm	1				285.00
	Ch.110.0 to Ch.160.00	Sqm	1	50	5.7		285.00
			ļ		 		
	Road No.2-P.M.Rao Road Ch.0.0 to Ch.50.0	Sqm	1	50	7.17		358.25
	Ch.50.0 to Ch.100.00	Sqm	1				366.50
	Ch.100.0 to Ch.145.0.0	Sqm	1	45			322.43
					ļ	-	
	Road No.3-Sharavu Temple Road Ch.0.0 to Ch.30.0	Sqm	1	30	6.22		186.60
	Ch.30.0 to Ch.80.0	Sqm	1				310.00
	Ch.80.0 to Ch.130.0	Sqm	1				318.25
	Ch.130.0 to Ch.185.0	Sqm	1	55	4.55		250.25
						+	
	Road No.4-G.H.S. Cross Road Ch.0.0 to Ch.20.0	Sqm	1	20	6.60	+	132.00
	Ch.20.0 to Ch.70.0	Sqm	1				316.50
	Ch.70.0 to Ch.120.0	Sqm	1				330.00
	Ch.120.0 to Ch.180.0	Sqm	1	60	6.60		396.00
	Road No.5-Vithoba Temple Road		<u> </u>		 		
ļ	Ch.0.00 to Ch.50.0	Sqm	1	50	2.46	<u> </u>	123.00
	Ch.50.0 to Ch.100.0	Sqm	1	50			133.00
	Ch.100.00 to Ch.150.0	Sqm	1	50	2.86		143.00
	Ch.150.0 to Ch.200.0	Sqm	1				103.00
	Ch.200.0 to Ch.240.0 Ch.240.0 to Ch.290.0	Sqm Sqm	1	-			157.24 128.00
	Ch.240.0 to Ch.340.0	Sqm	1				128.00
	Ch.340.0 to Ch.390.0	Sqm	1	50	1.86		93.00
	Ch.390.0 to Ch. 440.0	Sqm	1				118.00
	Ch.440.0 to Ch.490.0	Sqm	1	50	3.03	<u>├</u> ────┤	151.55
	Road No.7-Maidan 1st Cross Road		<u> </u>			├	
	Ch.0.0 to Ch.50.00	Sqm	1	50	7.12		356.00
	Ch.50.00 to Ch.90.0	Sqm	1	40	7.33		293.20
	Dead Ne 9 Maidan 2nd Craco Daad		<u> </u>		 	┨─────┤	
	Road No.8-Maidan 3rd Cross Road Ch.0.0 to Ch.20.0	Sqm	1	20	5.19	<u> </u>	103.82
	Ch.20.0 to Ch.60.0	Sqm	1				243.96
	Ch.60.0 to Ch.120.0	Sqm	1				439.80
	Ch.120.0 to Ch.186.0	Sqm	1	66	7.33	ĮĪ	483.78
	Road 10-Bibi Alabi-Kandak Road		───		<u> </u>	┨─────┨	
	Ch.0.0 to Ch.10.00	Sqm	1	10	3.47	<u> </u>	34.70
	Ch.10.0 to Ch.50.0	Sqm	1	40	5.10		204.00
	Ch.50.0 to Ch.110.0	Sqm	1	60	5.10		306.00
	Ch.110.0 to Ch.160.0	Sqm	1				241.50
1	Ch.160.0 to Ch.200.00	Sqm	1	-			153.20 170.50
	Ch 200 0 to Ch 250 0						170.00
	Ch.200.0 to Ch.250.0 Ch.250.0 to Ch.310.0	Sqm Sqm	1				276.00

ir. No.	Description	Unit	No's	L	В	Н	Qty.
	Ch.350.0 to Ch.400.00	Sqm	1	50	6.00		300.00
	Ch.400.00 to Ch.460.0	Sqm	1	60	5.10		306.00
	Road 11-Maidan 4th Cross Road-Extn						
	Ch.0.00 to Ch.10.0	Sqm	1	10	4.93		49.30
	Ch.10.0 to Ch.40.00	Sqm	1	30	4.93		147.90
	Ch.40.0 to Ch.90.00 Ch.90.0 to Ch.140.0	Sqm Sqm	1	50 50	7.00 6.10		350.00 305.00
	Ch.140.0 to Ch.140.0	Sqm	1	50	5.20		286.00
		oqm		00	0.20		200.00
	Road 13-J.M 1st Cross Road						
	Ch.0.0 to Ch.10.0	Sqm	1	10	2.16		21.60
	Ch.10.0 to Ch.50.0	Sqm	1	40	2.36		94.40
	Ch.50.0 to Ch.100.00 Ch.100.0 to Ch.170.0	Sqm Sqm	1	50 70	1.66 3.43		83.00 240.10
	Ch.170.0 to Ch.200.0	Sqm	1	40	2.53		101.20
	Ch.200.0 to Ch.238.0	Sqm	1	38	2.36		89.68
	Road 15-Mission Street Road	- Cam	1	10	5.00		52.00
	Ch.0.0 to Ch.10.0 Ch.10.0 to Ch.60.0	Sqm Sqm	1	10 50	5.30 7.23		53.00 361.50
	Ch.60.0 to Ch.130.0	Sqm	1	70	3.06		214.06
	Ch.130.0 to Ch.160.0	Sqm	1	30	2.56		76.74
	Ch.160.0 to Ch.200.0	Sqm	1	40	3.03		121.20
	Patch Work For CC Road Road No.1-GHS Road						
	RHS						1
	Ch.275.0 to Ch.288.0	Sqm	1	13	0.60		7.85
							-
	Road No.4-G.H.S. Cross Road						
	LHS Ch.15.0 to Ch.68.0	Sqm	1	53	1.78		94.54
	RHS	Sqiii	1		1.70		94.54
	Ch.30.0 to Ch.68.0	Sqm	1	53	0.23		12.18
		•					
	Flush Footpath with Carriageway						-
	Road No.1-GHS Road RHS						
	Level Footpath-Ch.270.00 to Ch.288.00	Sqm	1	18	0.21		3.78
	LHS	- Oq.ii			0.2.		0.10
	Level Footpath-Ch.260.0 to Ch.268.00	Sqm	1	8	0.4		3.2
	Parking-Ch.180.0 to Ch.260.0 Parking-Ch.320.0 to Ch.350.0	Sqm	1	82 30	2.5 2.5		205 75
	Parking-Cn.320.0 to Cn.350.0	Sqm	1	30	2.3		/5
	Road No.2-P.M.Rao Road						
	Parking-LHS-Ch.10.00 to Ch.50.00	Sqm	1	36.2	2.5		90.5
	Parking-RHS-Ch.50.00 to Ch.75.00	Sqm	1	29	2.5		72.5
	Designed and the Alasha and the Alas						-
	Road No.3-Sharavu Temple Road RHS						
	Level Footpath-Ch.165.00 to Ch.185.0	Sqm	1	20	0.73		14.6
	Parking-Ch.15.00 to Ch.33.0	Sqm	1	18	2.5		45
	Parking-Ch.68.00 to Ch.82.0	Sqm	1	16.4	2.5		41
	LHS Level Footpath-Ch.140.00 to Ch.180.0	Sqm	1	40	1.18		47.2
	Parking-Ch.15.0 to Ch.42.0	Sqm	1	30	2.5		75
	Parking-Ch.65.0 to Ch.85.0	Sqm	1	20	2.5		50
	Road No.4-G.H.S. Cross Road						
	RHS	S	1	45	4 07		10.07
	Ch.35.00 to Ch.50.0	Sqm	1	15	1.27		19.05
	Ch.65.0 to Ch.90.0	Sqm	1	40	1.1		44
	Road No.5-Vithoba Temple Road				_		
			,	107			
	Ch.15.0 to Ch.212.0 Ch.215.0 to Ch.485.0	Sqm	1	197 270	1.41 1.44		277.77
		Sqm Sqm	1	270	1.44		388.8
							1
	RHS						756.7
	Ch.15.0 to Ch.485.0	Sqm	1	470	1.61		
			1	470	1.61		0
	Ch.15.0 to Ch.485.0 Ch.380.0 to Ch.410.0	Sqm	1	470	1.61		
	Ch.15.0 to Ch.485.0 Ch.380.0 to Ch.410.0 Road No.8-Maidan 3rd Cross Road	Sqm Sqm					0
	Ch.15.0 to Ch.485.0 Ch.380.0 to Ch.410.0	Sqm	1	470 30.6	2.5		C
	Ch.15.0 to Ch.485.0 Ch.380.0 to Ch.410.0 Road No.8-Maidan 3rd Cross Road Parking	Sqm Sqm					C
	Ch.15.0 to Ch.485.0 Ch.380.0 to Ch.410.0 Road No.8-Maidan 3rd Cross Road	Sqm Sqm					C
	Ch.15.0 to Ch.485.0 Ch.380.0 to Ch.410.0 Road No.8-Maidan 3rd Cross Road Parking Road No.9-Bibi Alabi Road LHS Level Footpath-Ch.0.0 to Ch.38.0	Sqm Sqm Sqm Sqm Sqm Sqm	1	30.6	2.5		76.5
	Ch.15.0 to Ch.485.0 Ch.380.0 to Ch.410.0 Road No.8-Maidan 3rd Cross Road Parking Road No.9-Bibi Alabi Road LHS Level Footpath-Ch.0.0 to Ch.38.0 Level Footpath-Ch.138.0 to Ch.218.0	Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1	30.6 40 80	2.5 1.58 1.5		0 76.5 63.2 120
	Ch.15.0 to Ch.485.0 Ch.380.0 to Ch.410.0 Road No.8-Maidan 3rd Cross Road Parking Road No.9-Bibi Alabi Road LHS Level Footpath-Ch.0.0 to Ch.38.0 Level Footpath-Ch.138.0 to Ch.218.0 Level Footpath-Ch.248.0 to Ch.260.0	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 1	30.6 40 80 12	2.5 1.58 1.5 1.54		0 76.5 63.2 120 18.48
	Ch.15.0 to Ch.485.0 Ch.380.0 to Ch.410.0 Road No.8-Maidan 3rd Cross Road Parking Road No.9-Bibi Alabi Road LHS Level Footpath-Ch.0.0 to Ch.38.0 Level Footpath-Ch.138.0 to Ch.218.0	Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1	30.6 40 80	2.5 1.58 1.5		

Sr. No.	Description	Unit	No's	L	В	Н	Qty.
	RHS	onik	110 0		5		۹.9
	Level Footpath-Ch.5.00to Ch.40.0	Sqm	1	35	1.35		47.25
	Level Footpath-Ch.160.00 to Ch.210.0	Sqm	1	50	1.21		60.5
	Level Footpath-Ch.240.0 to Ch.320.0	Sqm	1	80	1.28		102.4
	Level Footpath-Ch.400.0 to Ch.430.0 Level Footpath-Ch.455.0 to Ch.465.0	Sqm Sqm	1	<u> </u>	1.11 2.42		<u>33.3</u> 24.2
-		Sqiii	1	10	2.42		24.2
	Road 10-Bibi Alabi-Kandak Road						
	RHS						
	Ch.12.0 to Ch.38.0 LHS	Sqm	1	26	0.41		10.66
	Ch.168.0 to Ch.188.0	Sqm	1	20	0.46		9.2
	Ch.240.0 to Ch.260.0	Sqm	1	20	0.31		6.2
	Ch.270.0 to Ch.300.0	Sqm	1	30	0.52		15.6
	Ch.300.00 to Ch.320.0	Sqm	1	20	0.73		14.6
	Ch.400.0 to Ch.425.0	Sqm	1	25	1.11		27.75
	Road 11-Maidan 4th Cross Road-Extn						
	LHS						
	Ch.90.0 to Ch.180.0	Sqm	1	90	0.8		72
	Ch.30.0 to Ch.50.0	Sqm	1	20	1.07		21.4
	RHS Ch.70.0 to Ch.80.0	Sqm	1	10	0.23		2.3
	Ch.115.0 to Ch.185.0	Sqm	1	70	1.31		91.7
-		eq					0.111
	Parking-LHS	Sqm	1	46.8	2.5		117
	Parking-RHS	Sqm	1	60	2.5		150
!	Parking-RHS	Sqm	1	53.2	2.5		133
'	Road 13-J.M 1st Cross Road						
	LHS						
	Ch.0.0 to Ch.90.0	Sqm	1	90	1.1		99
	Ch.95.0 to Ch.130.0	Sqm	1	40	0.56		22.4
	Ch.200.0 to Ch.220.0	Sqm	1	20	0.24		4.8
	Ch.230.0 to Ch.235.0	Sqm	1	5	4.37		21.85
	RHS Ch.0.0 to Ch.130.0	Sqm	1	130	1		130
	Ch.200.0 to Ch.240.0	Sqm	1	40	0.5		20
	Road 15-Mission Street Road						
		0		70	4.50		
	Ch.20.0 to Ch.90.0 Ch.120.0 to Ch.190.0	Sqm Sqm	1	70 70	1.52 1.08		<u>106.4</u> 75.6
	RHS	Sqiii	1	10	1.00		75.0
	Ch.130.0 to Ch.180.0	Sqm	1	50	1.05		52.5
		Sqm			Total Qty	<i>.</i>	16500.72
	KSRB 4-1.6; Providing and laying in position plain cement concrete of mix M15 Grade with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per						
	specifications. Specification No. KBS 4.1, 4.2. (SI.No. 4.6 of KPWD 18-19)						
	specifications. Specification No. KBS 4.1, 4.2. (SI.No. 4.6 of KPWD 18-19) SWD						
	specifications. Specification No. KBS 4.1, 4.2. (SI.No. 4.6 of KPWD 18-19) SWD SWD			Sidos	1.00		
	specifications. Specification No. KBS 4.1, 4.2. (SI.No. 4.6 of KPWD 18-19) SWD SWD Road No.1 G.H.S.Road			Sides	1.00		
	specifications. Specification No. KBS 4.1, 4.2. (SI.No. 4.6 of KPWD 18-19) SWD SWD	Cum	1.00	Sides 39.90	1.00	0.075	4.04
	specifications. Specification No. KBS 4.1, 4.2. (SI.No. 4.6 of KPWD 18-19) SWD SWD Road No.1 G.H.S.Road Node-MH-633 to MH-634 Base Node-MH-634 to MH-635	Cum		39.90	1.35		
	specifications. Specification No. KBS 4.1, 4.2. (SI.No. 4.6 of KPWD 18-19) SWD SWD Road No.1 G.H.S.Road Node-MH-633 to MH-634 Base Node-MH-634 to MH-635 Base		1.00			0.075	4.04
	specifications. Specification No. KBS 4.1, 4.2. (SI.No. 4.6 of KPWD 18-19) SWD SWD Road No.1 G.H.S.Road Node-MH-633 to MH-634 Base Node-MH-634 to MH-635 Base Node-MH-635 to MH-636	Cum	1.00	<u>39.90</u> 49.40	1.35	0.075	5.00
	specifications. Specification No. KBS 4.1, 4.2. (SI.No. 4.6 of KPWD 18-19) SWD SWD Road No.1 G.H.S.Road Node-MH-633 to MH-634 Base Node-MH-634 to MH-635 Base	Cum		39.90	1.35		
	specifications. Specification No. KBS 4.1, 4.2. (SI.No. 4.6 of KPWD 18-19) SWD SWD Road No.1 G.H.S.Road Node-MH-633 to MH-634 Base Node-MH-634 to MH-635 Base Node-MH-635 to MH-636 Base Node-MH-635 to MH-637 Base	Cum	1.00	<u>39.90</u> 49.40	1.35	0.075	5.00
	specifications. Specification No. KBS 4.1, 4.2. (SI.No. 4.6 of KPWD 18-19) SWD SWD Road No.1 G.H.S.Road Node-MH-633 to MH-634 Base Node-MH-634 to MH-635 Base Node-MH-635 to MH-636 Base Node-MH-636 to MH-637 Base Node-MH-637 to MH-638	Cum Cum Cum Cum	1.00 1.00 1.00	39.90 49.40 24.10 54.40	1.35 1.35 1.35 1.35	0.075 0.075 0.075	5.00 2.44 5.51
	specifications. Specification No. KBS 4.1, 4.2. (SI.No. 4.6 of KPWD 18-19) SWD SWD Road No.1 G.H.S.Road Node-MH-633 to MH-634 Base Node-MH-634 to MH-635 Base Node-MH-635 to MH-636 Base Node-MH-635 to MH-637 Base Node-MH-637 to MH-638 Base Node-MH-637 to MH-638 Base	Cum Cum Cum	1.00	39.90 49.40 24.10	1.35 1.35 1.35	0.075	5.00 2.44
	specifications. Specification No. KBS 4.1, 4.2. (SI.No. 4.6 of KPWD 18-19) SWD SWD Road No.1 G.H.S.Road Node-MH-633 to MH-634 Base Node-MH-634 to MH-635 Base Node-MH-635 to MH-636 Base Node-MH-636 to MH-637 Base Node-MH-637 to MH-638	Cum Cum Cum Cum	1.00 1.00 1.00	39.90 49.40 24.10 54.40	1.35 1.35 1.35 1.35	0.075 0.075 0.075	5.00 2.44 5.51
	specifications. Specification No. KBS 4.1, 4.2. (SI.No. 4.6 of KPWD 18-19) SWD SWD Road No.1 G.H.S.Road Node-MH-633 to MH-634 Base Node-MH-634 to MH-635 Base Node-MH-635 to MH-636 Base Node-MH-636 to MH-637 Base Node-MH-637 to MH-638 Base Node-MH-638 to MH-639 Base Node-MH-639 to MH-640	Cum Cum Cum Cum Cum Cum	1.00 1.00 1.00 1.00 1.00	39.90 49.40 24.10 54.40 52.40 31.90	1.35 1.35 1.35 1.35 1.35 1.35	0.075 0.075 0.075 0.075 0.075	5.00 2.44 5.51 5.31 3.23
	specifications. Specification No. KBS 4.1, 4.2. (SI.No. 4.6 of KPWD 18-19) SWD SWD Road No.1 G.H.S.Road Node-MH-633 to MH-634 Base Node-MH-634 to MH-635 Base Node-MH-635 to MH-636 Base Node-MH-636 to MH-637 Base Node-MH-637 to MH-638 Base Node-MH-638 to MH-639 Base Node-MH-639 to MH-640 Base	Cum Cum Cum Cum Cum	1.00 1.00 1.00 1.00	39.90 49.40 24.10 54.40 52.40	1.35 1.35 1.35 1.35 1.35	0.075 0.075 0.075 0.075	5.00 2.44 5.51 5.31
	specifications. Specification No. KBS 4.1, 4.2. (SI.No. 4.6 of KPWD 18-19) SWD SWD Road No.1 G.H.S.Road Node-MH-633 to MH-634 Base Node-MH-635 to MH-635 Base Node-MH-635 to MH-636 Base Node-MH-636 to MH-637 Base Node-MH-638 to MH-638 Base Node-MH-638 to MH-639 Base Node-MH-639 to MH-640 Base Node-MH-640 to MH-641	Cum Cum Cum Cum Cum Cum	1.00 1.00 1.00 1.00 1.00 1.00	39.90 49.40 24.10 54.40 52.40 31.90 16.40	1.35 1.35 1.35 1.35 1.35 1.35 1.35	0.075 0.075 0.075 0.075 0.075 0.075	5.00 2.44 5.51 5.31 3.23 1.66
	specifications. Specification No. KBS 4.1, 4.2. (SI.No. 4.6 of KPWD 18-19) SWD SWD Road No.1 G.H.S.Road Node-MH-633 to MH-634 Base Node-MH-634 to MH-635 Base Node-MH-635 to MH-636 Base Node-MH-636 to MH-637 Base Node-MH-637 to MH-638 Base Node-MH-638 to MH-639 Base Node-MH-639 to MH-640 Base Node-MH-640 to MH-641 Base	Cum Cum Cum Cum Cum	1.00 1.00 1.00 1.00 1.00	39.90 49.40 24.10 54.40 52.40 31.90	1.35 1.35 1.35 1.35 1.35 1.35	0.075 0.075 0.075 0.075 0.075	5.00 2.44 5.51 5.31 3.23
	specifications. Specification No. KBS 4.1, 4.2. (SI.No. 4.6 of KPWD 18-19) SWD SWD Road No.1 G.H.S.Road Node-MH-633 to MH-634 Base Node-MH-635 to MH-635 Base Node-MH-635 to MH-636 Base Node-MH-636 to MH-637 Base Node-MH-638 to MH-638 Base Node-MH-638 to MH-639 Base Node-MH-639 to MH-640 Base Node-MH-640 to MH-641	Cum Cum Cum Cum Cum Cum	1.00 1.00 1.00 1.00 1.00 1.00	39.90 49.40 24.10 54.40 52.40 31.90 16.40	1.35 1.35 1.35 1.35 1.35 1.35 1.35	0.075 0.075 0.075 0.075 0.075 0.075	5.00 2.44 5.51 5.31 3.23 1.66
	specifications. Specification No. KBS 4.1, 4.2. (SI.No. 4.6 of KPWD 18-19) SWD SWD Road No.1 G.H.S.Road Node-MH-633 to MH-634 Base Node-MH-634 to MH-635 Base Node-MH-635 to MH-636 Base Node-MH-636 to MH-637 Base Node-MH-637 to MH-638 Base Node-MH-638 to MH-639 Base Node-MH-639 to MH-640 Base Node-MH-641 to MH-641 Base Node-MH-641 to MH-642 Base	Cum Cum Cum Cum Cum Cum Cum	1.00 1.00 1.00 1.00 1.00 1.00 1.00	39.90 49.40 24.10 54.40 52.40 31.90 16.40 29.00	1.35 1.35 1.35 1.35 1.35 1.35 1.35 1.35	0.075 0.075 0.075 0.075 0.075 0.075 0.075	5.00 2.44 5.51 5.31 3.23 1.66 3.92
	specifications. Specification No. KBS 4.1, 4.2. (SI.No. 4.6 of KPWD 18-19) SWD SWD Road No.1 G.H.S.Road Node-MH-633 to MH-634 Base Node-MH-634 to MH-635 Base Node-MH-635 to MH-636 Base Node-MH-636 to MH-637 Base Node-MH-638 to MH-639 Base Node-MH-638 to MH-639 Base Node-MH-640 to MH-641 Base Node-MH-641 to MH-641 Base Node-MH-641 to MH-642 Base Node-MH-641 to MH-642 Base Node-MH-641 to MH-642 Base Node-MH-640 to MH-641 Base Node-MH-640 to MH-641 Base Node-MH-640 to MH-641 Base Node-MH-640 to MH-641 Base	Cum Cum Cum Cum Cum Cum Cum Cum	1.00 1.00 1.00 1.00 1.00 1.00 1.00	39.90 49.40 24.10 54.40 52.40 31.90 16.40 29.00 61.20	1.35 1.35 1.35 1.35 1.35 1.35 1.35 1.35	0.075 0.075 0.075 0.075 0.075 0.075 0.075 0.075	5.00 2.44 5.51 5.31 3.23 1.66 3.92 8.26
	specifications. Specification No. KBS 4.1, 4.2. (SI.No. 4.6 of KPWD 18-19) SWD SWD Road No.1 G.H.S.Road Node-MH-633 to MH-634 Base Node-MH-634 to MH-635 Base Node-MH-635 to MH-636 Base Node-MH-636 to MH-637 Base Node-MH-638 to MH-639 Base Node-MH-638 to MH-639 Base Node-MH-639 to MH-640 Base Node-MH-640 to MH-641 Base Node-MH-641 to MH-642 Base Node-MH-641 to MH-642 Base Node-MH-641 to MH-642 Base Node-MH-797 to MH-798 Base	Cum Cum Cum Cum Cum Cum Cum	1.00 1.00 1.00 1.00 1.00 1.00 1.00	39.90 49.40 24.10 54.40 52.40 31.90 16.40 29.00	1.35 1.35 1.35 1.35 1.35 1.35 1.35 1.35	0.075 0.075 0.075 0.075 0.075 0.075 0.075	5.00 2.44 5.51 5.31 3.23 1.66 3.92
	specifications. Specification No. KBS 4.1, 4.2. (SI.No. 4.6 of KPWD 18-19) SWD SWD Road No.1 G.H.S.Road Node-MH-633 to MH-634 Base Node-MH-634 to MH-635 Base Node-MH-635 to MH-636 Base Node-MH-636 to MH-637 Base Node-MH-638 to MH-639 Base Node-MH-638 to MH-639 Base Node-MH-640 to MH-641 Base Node-MH-641 to MH-641 Base Node-MH-641 to MH-642 Base Node-MH-641 to MH-642 Base Node-MH-641 to MH-642 Base Node-MH-640 to MH-641 Base Node-MH-640 to MH-641 Base Node-MH-640 to MH-641 Base Node-MH-640 to MH-641 Base	Cum Cum Cum Cum Cum Cum Cum Cum	1.00 1.00 1.00 1.00 1.00 1.00 1.00	39.90 49.40 24.10 54.40 52.40 31.90 16.40 29.00 61.20	1.35 1.35 1.35 1.35 1.35 1.35 1.35 1.35	0.075 0.075 0.075 0.075 0.075 0.075 0.075 0.075	5.00 2.44 5.51 5.31 3.23 1.66 3.92 8.26
	specifications. Specification No. KBS 4.1, 4.2. (SI.No. 4.6 of KPWD 18-19) SWD SWD Road No.1 G.H.S.Road Node-MH-633 to MH-634 Base Node-MH-634 to MH-635 Base Node-MH-635 to MH-636 Base Node-MH-636 to MH-637 Base Node-MH-637 to MH-638 Base Node-MH-638 to MH-639 Base Node-MH-639 to MH-640 Base Node-MH-640 to MH-641 Base Node-MH-641 to MH-642 Base Node-MH-641 to MH-642 Base Node-MH-797 to MH-798 Base Node-MH-797 to MH-798 Base Node-MH-798 to MH-799	Cum Cum Cum Cum Cum Cum Cum Cum Cum	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	39.90 49.40 24.10 54.40 52.40 31.90 16.40 29.00 61.20 40.20	1.35 1.35 1.35 1.35 1.35 1.35 1.35 1.35	0.075 0.075 0.075 0.075 0.075 0.075 0.075 0.075 0.075	5.00 2.44 5.51 5.31 3.23 1.66 3.92 8.26 4.52
	specifications. Specification No. KBS 4.1, 4.2. (SI.No. 4.6 of KPWD 18-19) SWD SWD Road No.1 G.H.S.Road Node-MH-633 to MH-634 Base Node-MH-634 to MH-635 Base Node-MH-635 to MH-636 Base Node-MH-636 to MH-637 Base Node-MH-637 to MH-638 Base Node-MH-638 to MH-639 Base Node-MH-639 to MH-640 Base Node-MH-640 to MH-641 Base Node-MH-797 to MH-798 Base Node-MH-797 to MH-798 Base Node-MH-798 to MH-799 Base Node-MH-799 to MH-800 Base	Cum Cum Cum Cum Cum Cum Cum Cum Cum	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	39.90 49.40 24.10 54.40 52.40 31.90 16.40 29.00 61.20 40.20	1.35 1.35 1.35 1.35 1.35 1.35 1.35 1.35	0.075 0.075 0.075 0.075 0.075 0.075 0.075 0.075 0.075	5.00 2.44 5.51 5.31 3.23 1.66 3.92 8.26 4.52
	specifications. Specification No. KBS 4.1, 4.2. (SI.No. 4.6 of KPWD 18-19) SWD SWD Road No.1 G.H.S.Road Node-MH-633 to MH-634 Base Node-MH-634 to MH-635 Base Node-MH-635 to MH-636 Base Node-MH-636 to MH-637 Base Node-MH-637 to MH-638 Base Node-MH-639 to MH-639 Base Node-MH-649 to MH-640 Base Node-MH-641 to MH-641 Base Node-MH-641 to MH-642 Base Node-MH-641 to MH-642 Base Node-MH-797 to MH-798 Base Node-MH-798 to MH-799 Base Node-MH-798 to MH-799 Base Node-MH-799 to MH-800 Base Node-MH-799 to MH-800 Base Node-MH-800 to MH-802	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	39.90 49.40 24.10 54.40 52.40 31.90 16.40 29.00 61.20 40.20 27.00 21.90	1.35 1.35 1.35 1.35 1.35 1.35 1.35 1.35	0.075 0.075 0.075 0.075 0.075 0.075 0.075 0.075 0.075 0.075 0.075	5.00 2.44 5.51 5.31 3.23 1.66 3.92 8.26 4.52 3.04 2.46
	specifications. Specification No. KBS 4.1, 4.2. (SI.No. 4.6 of KPWD 18-19) SWD SWD Road No.1 G.H.S.Road Node-MH-633 to MH-634 Base Node-MH-634 to MH-635 Base Node-MH-635 to MH-636 Base Node-MH-636 to MH-637 Base Node-MH-637 to MH-638 Base Node-MH-638 to MH-639 Base Node-MH-639 to MH-640 Base Node-MH-640 to MH-641 Base Node-MH-797 to MH-798 Base Node-MH-797 to MH-798 Base Node-MH-798 to MH-799 Base Node-MH-799 to MH-800 Base	Cum Cum Cum Cum Cum Cum Cum Cum Cum	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	39.90 49.40 24.10 54.40 52.40 31.90 16.40 29.00 61.20 40.20 27.00	1.35 1.35 1.35 1.35 1.35 1.35 1.35 1.35	0.075 0.075 0.075 0.075 0.075 0.075 0.075 0.075 0.075 0.075	5.00 2.44 5.51 5.31 3.23 1.66 3.92 8.26 4.52 3.04

-	Description	Unit	No's	L	В	Н	Q
	Node-MH-803 to MH-804 Base	Cum	1.00	50.10	1.35	0.075	5.
_	Node-MH-804 to MH-805 Base	Cum	1.00	33.70	1.35	0.075	3.
_	Node-MH-805 to O-85 Base	Cum	1.00	44.37	1.35	0.075	4.
					1100	01010	
	Road No.2-P.M.Rao Road						
	Node-MH-644						
-	Base Node-MH-645	Cum	1.00	38.10	1.50	0.075	4.
_	Base Node-MH-646	Cum	1.00	26.80	1.50	0.075	3.
	Base	Cum	1.00	32.50	1.50	0.075	3.
	Node-MH-647 Base	Cum	1.00	46.40	1.50	0.075	5.
	Node-MH-648 Base	Cum	1.00	27.60	1.50	0.075	3.
_	Node-MH-639 Base	Cum	1.00	11.30	1.50	0.075	1.
	Road No.3-Sharavu Temple Road						
_	Node-MH-649 to MH-650						
_	Base Node-MH-650 to MH-651	Cum	1.00	42.80	1.35	0.075	4.
_	Base Node-MH-651 to MH-652	Cum	1.00	51.30	1.35	0.075	5.
	Base Node-MH-652 to MH-653	Cum	1.00	23.80	1.35	0.075	2.
	Base	Cum	1.00	25.10	1.35	0.075	2.
_	Node-MH-653 to O-76 Base	Cum	1.00	38.80	1.35	0.075	3.
	Road No.4-G.H.S. Cross Road						
_	Node-MH-654 to MH-655 Base	Cum	1.00	12.80	1.35	0.075	1.
	Node-MH-655 to MH-656						
	Base Node-MH-656 to MH-657	Cum	1.00	24.80	1.35	0.075	2.
	Base Node-MH-657 to MH-658	Cum	1.00	24.70	1.35	0.075	2.
	Base Node-MH-658to MH-659	Cum	1.00	17.60	1.35	0.075	1.
	Base Node-MH-659 to MH-660	Cum	1.00	45.50	1.35	0.075	4.
	Base	Cum	1.00	30.10	1.35	0.075	3.
_	Node-MH-660 to O-77 Base	Cum	1.00	24.10	1.35	0.075	2.
	Road No.5-Vithoba Temple Road						
	Node-MH-796 to MH-662 Base	Cum	1.00	14.70	5.10	0.075	5.
	Node-MH-662 to MH-663 Base	Cum	1.00	126.10	1.50	0.075	14
	Node-MH-663 to MH-664						
	Base Node-MH-664 to MH-665	Cum	1.00	36.70	0.20	0.075	0.
_	Base Node-MH-665 to MH-666	Cum	1.00	26.70	1.50	0.075	3.
_	Base Node-MH-666 to MH-667	Cum	1.00	16.20	1.50	0.075	1.
	Base Node-MH-667 to MH-668	Cum	1.00	87.90	1.50	0.075	9.
	Base	Cum	1.00	18.30	1.50	0.075	2.
	Node-MH-668 to MH-669 Base	Cum	1.00	64.50	2.00	0.075	9.
_	Node-MH-669 to MH-670 Base	Cum	1.00	37.10	2.00	0.075	5.
_	Node-MH-670 to MH-671 Base	Cum	1.00	21.10	2.00	0.075	3.
	Node-MH-671 to O-78 Base	Cum	1.00	27.40	2.00	0.075	4.
		Cum	1.00	27.40	2.00	0.075	4.
	Road No.7-Maidan 1st Cross Road						
	Node-MH-680 to O-81 Base	Cum	1.00	103.10	1.20	0.075	9.
	Node-MH-678 to O-80						
	Base	Cum	1.00	96.20	1.20	0.075	8.

Sr. No.	Description	Unit	No's	L	В	Н	Qty.
	Node-MH-682 to MH-683 Base	Cum	1.00	29.90	1.50	0.075	3.36
	Node-MH-683 to MH-684 Base	Cum	1.00	44.80	1.50	0.075	5.04
	Node-MH-684 to MH-685 Base	Cum	1.00	65.70	1.80	0.075	8.87
	Node-MH-685 to MH-686 Base	Cum	1.00	32.60	1.80	0.075	4.40
	Node-MH-686 to MH-691 Base	Cum	1.00	8.10	1.80	0.075	1.09
	Node-MH-687 to MH-688 Base	Cum	1.00	31.20	1.20	0.075	2.81
	Node-MH-688 to MH-689 Base	Cum	1.00		1.20	0.075	4.98
	Node-MH-689 to MH-690 Base	Cum	1.00		1.20	0.075	3.38
	Node-MH-690 to MH-691 Base	Cum	1.00		1.20	0.075	4.59
	Road No.9-Bibi Alabi Road Node-MH-692 to MH-693	Oum	1.00	01.00	1.20	0.070	4.00
	Base	Cum	1.00	47.90	1.20	0.075	4.31
	Node-MH-693 to MH-680 Base	Cum	1.00	6.00	1.20	0.075	0.54
	Node-MH-694 to MH-695 Base	Cum	1.00	12.60	1.20	0.075	1.13
	Node-MH-695 to MH-696 Base	Cum	1.00	77.30	1.20	0.075	6.96
	Node-MH-696 to MH-697 Base	Cum	1.00	32.10	1.20	0.075	2.89
	Node-MH-697 to MH-698 Base	Cum	1.00	100.20	1.20	0.075	9.02
	Node-MH-698 to MH-699 Base	Cum	1.00	36.40	1.20	0.075	3.28
	Node-MH-699 to MH-700 Base	Cum	1.00		1.20	0.075	5.43
	Node-MH-700 to MH-701 Base	Cum	1.00		1.20	0.075	4.81
	Node-MH-701 to O-83 Base	Cum	1.00		1.20	0.075	2.47
	Node-MH-703 to MH-704 Base		1.00		1.50	0.075	
	Node-MH-704 to MH-705	Cum					25.13
	Base Node-MH-705 to MH-706	Cum	1.00		1.50	0.075	2.15
	Base Node-MH-706 to MH-707	Cum	1.00		1.50	0.075	5.43
	Base Node-MH-707 to O-87	Cum	1.00		1.50	0.075	10.67
	Base Road 10-Bibi Alabi-Kandak Road	Cum	1.00	66.90	1.50	0.075	7.53
	Node-MH-709 to MH-710 Base	Cum	1.00	62.30	1.20	0.075	5.61
	Node-MH-710 to MH-686 Base	Cum	1.00	75.30	1.20	0.075	6.78
	Node-MH-686 to MH-691 Base	Cum	1.00	8.10	1.80	0.075	1.09
	Node-MH-691 to MH-711 Base	Cum	1.00	28.90	1.80	0.075	3.90
	Node-MH-711 to MH-712 Base	Cum	1.00		1.80	0.075	5.91
	Node-MH-712 to MH-713 Base	Cum	1.00		1.80	0.075	1.46
	Node-MH-713 to MH-714 Base	Cum	1.00		1.80	0.075	3.40
	Node-MH-714 to MH-715		1.00		1.80	0.075	
	Base Node-MH-715 to MH-716	Cum					7.32
	Base Node-MH-716 to MH-717 Dece	Cum	1.00		1.80	0.075	3.86
	Base Node-MH-717 to MH-718	Cum	1.00		1.80	0.075	2.74
	Base Node-MH-718 to MH-719	Cum	1.00		1.80	0.075	1.53
	Base Node-MH-719 to MH-720	Cum	1.00		1.80	0.075	6.84
	Base Road 11-Maidan 4th Cross Road-Extn	Cum	1.00	34.50	1.80	0.075	4.66
	Node-MH-721 to MH-722 Base	Cum	1.00	43.80	1.20	0.075	3.94
	Node-MH-722 to MH-723 Base	Cum	1.00		1.20	0.075	2.79
	Node-MH-723 to MH-724 Base	Cum	1.00		1.20	0.075	2.30
	Node-MH-724 to MH-725					0.075	
	Base Node-MH-725 to MH-713	Cum	1.00		1.20		5.31
	Base Node-MH-726 to MH-727	Cum	1.00		1.20	0.075	3.04
	Base Page 33	Cum	1.00	39.70	1.10	0.075	3.28

Sr. No.	Description	Unit	No's	L	В	Н	Qty.
	Node-MH-727 to MH-728 Base	Cum	1.00	41.70	1.20	0.075	3.75
	Node-MH-728 to MH-729		1.00				
	Base Node-MH-729 to MH-712	Cum	1.00	91.70	1.50	0.075	10.32
	Base Node-MH-712 to MH-713	Cum	1.00	21.80	1.50	0.075	2.45
	Base	Cum	1.00	10.80	1.80	0.075	1.46
1	Road 13-J.M 1st Cross Road Node-MH-736 to MH-737						
2	Base Node-MH-737 to MH-738	Cum	1.00	57.60	1.20	0.075	5.18
	Base	Cum	1.00	30.60	1.20	0.075	2.75
3	Node-MH-738 to O-88 Base	Cum	1.00	40.80	1.20	0.075	3.67
4	Node-MH-740 to MH-741 Base	Cum	1.00	21.20	1.20	0.075	1.91
5	Node-MH-741 to MH-742 Base	Cum	1.00	21.80	1.50	0.075	2.45
6	Node-MH-742 to O-89	Cum					
7	Base Node-MH-744 to MH-745	Cum	1.00	25.00	1.50	0.075	2.81
	Base	Cum	1.00	14.80	1.80	0.075	2.00
1	Road 15-Mission Street Road Node-MH-789 to MH-790						
2	Base Node-MH-790 to MH-791	Cum	1.00	32.40	1.20	0.075	2.92
	Base	Cum	1.00	23.20	1.20	0.075	2.09
3	Node-MH-791 to MH-792 Base	Cum	1.00	32.40	1.20	0.075	2.92
4	Node-MH-792 to MH-793 Base	Cum	1.00	27.10	1.20	0.075	2.44
5	Node-MH-793 to MH-794						
6	Base Node-MH-794 to MH-795	Cum	1.00	41.70	1.20	0.075	3.75
7	Base Node-MH-795 to MH-475	Cum	1.00	51.20	1.20	0.075	4.61
	Base	Cum	1.00	51.90	1.20	0.075	4.67
	PCC Below Kerb Stone	Cum	1	4360.00	0.47	0.10	202.74
	PCC Below Water Table	Cum	1.00	4360.00	0.50	0.10	218.00
	Box Culvert						
	Road No.1-GHS Road Box Culvert-Slab	Cum	3	23	1.5	0.10	10.35
	Road No.2-P.M.Rao Road Box Culvert-Slab	Cum	1	12.2	1.5	0.2	3.66
	Road No.3-Sharavu Temple Road Box Culvert-Slab	Cum	1	10	1.5	0.10	1.50
	Road No.4-G.H.S. Cross Road				1.5		
	Box Culvert-Slab Road No.5-Vithoba Temple Road	Cum	1	8.8	1.5	0.10	1.32
	Box Culvert-Slab Road No.7-Maidan 1st Cross Road	Cum	4	11.4	1.5	0.10	6.84
	Box Culvert-Slab	Cum	1	18.05	1.5	0.10	2.71
	Road No.8-Maidan 3rd Cross Road Box Culvert-Slab	Cum	1	13.1	1.5	0.10	1.97
	Road No.9-Bibi Alabi Road Box Culvert-Slab	Cum	0	8.3	1.5	0.10	0.00
	Road 10-Bibi Alabi-Kandak Road						
	Box Culvert-Slab Road 11-Maidan 4th Cross Road-Extn	Cum	4	8.3	1.5	0.10	4.98
	Box Culvert-Slab Road 13-J.M 1st Cross Road	Cum	1	8.3	1.5	0.10	1.25
	Box Culvert-Slab	Cum	2	8.3	1.5	0.10	2.49
	Road 15-Mission Street Road Box Culvert-Slab	Cum	7	8.3	1.5	0.10	8.72
		Cum		Total Qty.			946.09
				i otai wiy.			340.03
15	KSRRB 400 Granular Sub-Base with Coarse Graded Material (table 400-1) KSRRB M400-7. Construction of granular sub-base by providing Coarse graded crushed stone aggregates of granite / trap / basalt material, speading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with vibratory roller to achieve the desired density, complete as per MORTH specifications clause 401 and Table 400-1 Grading VI. (SI.No.20.4 of KPWD SR 2018-19)						
	Pavement						
	Pavement Road No.1-GHS Road						
	Ch.0 to Ch.10.00	Cum	1.0	10.0	5.7	0.15	8.55
	Ch.10.0 to Ch.60.00 Ch.60.00 to Ch.110.00	Cum Cum	1.0 1.0		5.7 5.7	0.15 0.15	42.75 42.75
	Ch.110.0 to Ch.160.00	Cum	1.0	50.0	5.7	0.15	42.75
	Road No.2-P.M.Rao Road						

-	Description	Unit	No's	L	В	H	Qt
	Ch.0.0 to Ch.50.0	Cum	1.0	50.0	7.2	0.15	53.
	Ch.50.0 to Ch.100.00	Cum	1.0	50.0	7.3	0.15	54.
C	Ch.100.0 to Ch.145.0.0	Cum	1.0	45.0	7.2	0.15	48.
R	Road No.3-Sharavu Temple Road						
	Ch.0.0 to Ch.30.0	Cum	1.0	30.0	6.2	0.15	27.
_	Ch.30.0 to Ch.80.0	Cum	1.0	50.0	6.2	0.15	46.
_	Ch.80.0 to Ch.130.0	Cum	1.0	50.0	6.4	0.15	47.
C	Ch.130.0 to Ch.185.0	Cum	1.0	55.0	4.6	0.15	37.
	Road No.4-G.H.S. Cross Road						
	Ch.0.0 to Ch.20.0	Cum	1.0	20.0	6.6	0.15	19.
_	Ch.20.0 to Ch.70.0	Cum	1.0	50.0	6.3	0.15	47.
	Ch.70.0 to Ch.120.0	Cum	1.0	50.0	6.6	0.15	49.
C	Ch.120.0 to Ch.180.0	Cum	1.0	60.0	6.6	0.15	59.
	Road No.5-Vithoba Temple Road						
	Ch.0.00 to Ch.50.0	Cum	1.0	50.0	2.5	0.15	18.
	Ch.50.0 to Ch.100.0	Cum	1.0	50.0	2.7	0.15	19.
_	Ch.100.00 to Ch.150.0	Cum	1.0	50.0	2.9	0.15	21.
	Ch.150.0 to Ch.200.0	Cum	1.0	50.0	2.1	0.15	15.
-	Ch.200.0 to Ch.240.0	Cum	1.0	40.0	3.9	0.15	23.
C	Ch.240.0 to Ch.290.0	Cum	1.0	50.0	2.6	0.15	19.
_	Ch.290.0 to Ch.340.0	Cum	1.0	50.0	2.6	0.15	19.
	Ch.340.0 to Ch.390.0	Cum	1.0	50.0	1.9	0.15	13.
C	Ch.390.0 to Ch. 440.0	Cum	1.0	50.0	2.4	0.15	17.
C	Ch.440.0 to Ch.490.0	Cum	1.0	50.0	3.0	0.15	22.
\bot							
	Road No.7-Maidan 1st Cross Road						
_	Ch.0.0 to Ch.50.00	Cum	1.0	50.0	7.1	0.15	53.
C	Ch.50.00 to Ch.90.0	Cum	1.0	40.0	7.3	0.15	43.
+-	and No. 9 Maidon 2nd Change Dan-1	I					
_	Road No.8-Maidan 3rd Cross Road	0	1 0	20.0	E O	0.45	45
	Ch.0.0 to Ch.20.0 Ch.20.0 to Ch.60.0	Cum Cum	1.0 1.0	20.0 40.0	5.2 6.1	0.15 0.15	<u>15.</u> 36.
_	Ch.60.0 to Ch.120.0	Cum	1.0	60.0	7.3	0.15	<u> </u>
	Ch.120.0 to Ch.186.0	Cum	1.0	66.0	7.3	0.15	72.
	51.120.0 10 01.100.0	Culli	1.0	00.0	7.5	0.15	12.
R	Road 10-Bibi Alabi-Kandak Road						
_	Ch.0.0 to Ch.10.00	Cum	1.0	10.0	3.5	0.15	5.2
_	Ch.10.0 to Ch.50.0	Cum	1.0	40.0	5.1	0.15	30.
	Ch.50.0 to Ch.110.0	Cum	1.0	60.0	5.1	0.15	45.
C	Ch.110.0 to Ch.160.0	Cum	1.0	50.0	4.8	0.15	36.
C	Ch.160.0 to Ch.200.00	Cum	1.0	40.0	3.8	0.15	22.
C	Ch.200.0 to Ch.250.0	Cum	1.0	50.0	3.4	0.15	25.
	Ch.250.0 to Ch.310.0	Cum	1.0	60.0	4.6	0.15	41.
-	Ch.310.0 to ch.350.0	Cum	1.0	40.0	5.1	0.15	30.
C	Ch.350.0 to Ch.400.00	Cum	1.0	50.0	6.0	0.15	45.
C	Ch.400.00 to Ch.460.0	Cum	1.0	60.0	5.1	0.15	45.
P	Road 11-Maidan 4th Cross Road-Extn						
	Ch.0.00 to Ch.10.0	Cum	1.0	10.0	4.9	0.15	7.4
-	Ch.10.0 to Ch.40.00	Cum	1.0	30.0	4.9	0.15	22.
	Ch.40.0 to Ch.90.00	Cum	1.0	50.0	7.0	0.15	52.
_	Ch.90.0 to Ch.140.0	Cum	1.0	50.0	6.1	0.15	45.
	Ch.140.0 to Ch.195.0	Cum	1.0	55.0	5.2	0.15	42.
		Cum	1.0	00.0	0.2	0.10	12.
R	Road 13-J.M 1st Cross Road						
	Ch.0.0 to Ch.10.0	Cum	1.0	10.0	2.2	0.15	3.2
_	Ch.10.0 to Ch.50.0	Cum	1.0	40.0	2.4	0.15	14.
	Ch.50.0 to Ch.100.00	Cum	1.0	50.0	1.7	0.15	12.
	Ch.100.0 to Ch.170.0	Cum	1.0	70.0	3.4	0.15	36.
	Ch.170.0 to Ch.200.0	Cum	1.0	40.0	2.5	0.15	15.
С	Ch.200.0 to Ch.238.0	Cum	1.0	38.0	2.4	0.15	13.
	Road 15-Mission Street Road						_
	Ch.0.0 to Ch.10.0	Cum	1.0	10.0	5.3	0.15	7.9
	Ch.10.0 to Ch.60.0	Cum	1.0	50.0	7.2	0.15	54.
_	Ch.60.0 to Ch.130.0 Ch.130.0 to Ch.160.0	Cum Cum	1.0 1.0	70.0 30.0	3.1 2.6	0.15	32.
	Ch.130.0 to Ch.160.0	Cum	1.0	40.0	3.0	0.15	<u>11.</u> 18.
+		Juili	1.0	-U.U	5.0	0.15	10.
P	Patch Work For CC Road						
	Road No.1-GHS Road						
	RHS						
_	Ch.275.0 to Ch.288.0	Cum	1.0	13.0	0.6	0.15	1.1
T							
Т							
	Road No.4-G.H.S. Cross Road						
L	HS						
	Ch.15.0 to Ch.68.0	Cum	1.0	53.0	1.8	0.15	14.
	RHS			FC 0		0.15	
R		Cum	1.0	53.0	0.2	0.15	1.8
R	Ch.30.0 to Ch.68.0	Oum				1	
R	in.30.0 to Ch.68.0						
R	In.30.0 to Ch.68.0						

Sr. No.	Description Level Footpath-Ch.270.00 to Ch.288.00	Unit Cum	No's	L 18	B 0.21	H 0.15	Qty. 0.567
	LHS						
	Level Footpath-Ch.260.0 to Ch.268.00	Cum	1	8	0.4	0.15	0.48
	Parking-Ch.180.0 to Ch.260.0	Cum	1	82	2.5	0.15	30.75
	Parking-Ch.320.0 to Ch.350.0	Cum	1	30	2.5	0.15	11.25
	Road No.2-P.M.Rao Road						
	Parking-LHS-Ch.10.00 to Ch.50.00 Parking-RHS-Ch.50.00 to Ch.75.00	Cum	1	36.2 29	2.5 2.5	0.15 0.15	13.575
	Parking-KHS-Ch.30.00 to Ch.75.00	Cum	1	29	2.5	0.15	10.875
	Road No.3-Sharavu Temple Road						
	RHS Level Footpath-Ch.165.00 to Ch.185.0	Cum	1	20	0.73	0.15	2.19
	Parking-Ch.15.00 to Ch.33.0	Cum	1	18	2.5	0.15	6.75
	Parking-Ch.68.00 to Ch.82.0	Cum	1	16.4	2.5	0.15	6.15
	LHS						
	Level Footpath-Ch.140.00 to Ch.180.0	Cum	1	40	1.18	0.15	7.08
	Parking-Ch.15.0 to Ch.42.0 Parking-Ch.65.0 to Ch.85.0	Cum Cum	1	30 20	2.5 2.5	0.15 0.15	<u>11.25</u> 7.5
		Cum		20	2.0	0.10	7.0
	Road No.4-G.H.S. Cross Road						
	RHS Ch.35.00 to Ch.50.0	Cum	1	15	1.27	0.15	2.8575
	LHS						
	Ch.65.0 to Ch.90.0	Cum	1	40	1.1	0.15	6.6
	Road No.5-Vithoba Temple Road						
	LHS	0		107	4 4 4	0.15	44.005-
	Ch.15.0 to Ch.212.0 Ch.215.0 to Ch.485.0	Cum Cum	1	197 270	1.41 1.44	0.15 0.15	<u>41.6655</u> 58.32
		- C G III		2.0		0.1.0	00102
	RHS Ch.15.0 to Ch.485.0	Cum	1	470	1.61	0.15	113.505
	Ch.380.0 to Ch.410.0	Cum	1	470	1.01	0.15	0
	Road No.8-Maidan 3rd Cross Road						
	Parking	Cum	1	30.6	2.5	0.15	11.475
	Deed No O Diki Aleki Deed						
	Road No.9-Bibi Alabi Road LHS						
	Level Footpath-Ch.0.0 to Ch.38.0	Cum	1	40	1.58	0.15	9.48
	Level Footpath-Ch.138.0 to Ch.218.0 Level Footpath-Ch.248.0 to Ch.260.0	Cum Cum	1	80 12	1.5 1.54	0.15 0.15	18 2.772
	Level Footpath-Ch.288.0 to Ch.308.0	Cum	1	20	1.29	0.15	3.87
	Parking-Ch.55.00 to Ch. 130.0	Cum	1	75	2.5	0.15	28.125
	Parking-Ch.140.0 to Ch.150.0 RHS	Cum	1	10.5	2.5	0.15	3.9375
	Level Footpath-Ch.5.00to Ch.40.0	Cum	1	35	1.35	0.15	7.0875
	Level Footpath-Ch.160.00 to Ch.210.0 Level Footpath-Ch.240.0 to Ch.320.0	Cum Cum	1	50 80	1.21 1.28	0.15 0.15	9.075 15.36
	Level Footpath-Ch.400.0 to Ch.430.0	Cum	1	30	1.20	0.15	4.995
	Level Footpath-Ch.455.0 to Ch.465.0	Cum	1	10	2.42	0.15	3.63
	Road 10-Bibi Alabi-Kandak Road						
	RHS						
	Ch.12.0 to Ch.38.0	Cum	1	26	0.41	0.15	1.599
	Ch.168.0 to Ch.188.0	Cum	1	20	0.46	0.15	1.38
	Ch.240.0 to Ch.260.0	Cum	1	20	0.31	0.15	0.93
	Ch.270.0 to Ch.300.0 Ch.300.00 to Ch.320.0	Cum Cum	1	30 20	0.52 0.73	0.15 0.15	2.34
	Ch.400.0 to Ch.425.0	Cum	1	25	1.11	0.15	4.1625
	Dead 44 Meiden 4th Oreas Dead Futu						
	Road 11-Maidan 4th Cross Road-Extn LHS						
	Ch.90.0 to Ch.180.0	Cum	1	90	0.8	0.15	10.8
	Ch.30.0 to Ch.50.0 RHS	Cum	1	20	1.07	0.15	3.21
	Ch.70.0 to Ch.80.0	Cum	1	10	0.23	0.15	0.345
	Ch.115.0 to Ch.185.0	Cum	1	70	1.31	0.15	13.755
	Parking-LHS	Cum	1	46.8	2.5	0.15	17.55
	Parking-RHS	Cum	1	60	2.5	0.15	22.5
	Parking-RHS	Cum	1	53.2	2.5	0.15	19.95
	Road 13-J.M 1st Cross Road						
	LHS					0.1-	
	Ch.0.0 to Ch.90.0 Ch.95.0 to Ch.130.0	Cum Cum	1	90 40	1.1 0.56	0.15 0.15	14.85
	Ch.200.0 to Ch.220.0	Cum	1	20	0.30	0.15	0.72
	Ch.230.0 to Ch.235.0	Cum	1	5	4.37	0.15	3.2775
	RHS		1	120	1	0.15	10 5
		Cum	1	130 40	1 0.5	0.15 0.15	19.5 3

	Description	Unit	No's	L	В	Н	Qty.
	LHS Ch.20.0 to Ch.90.0	Cum	1	70	1.52	0.15	15.96
	Ch.120.0 to Ch.190.0	Cum	1	70	1.08	0.15	11.34
	RHS Ch.130.0 to Ch.180.0	Cum	1	50	1.05	0.15	7.875
		Cum	1	50	1.05	0.13	1.015
	Two Wheeler Parking Road No.2-PM Rao Road						
	LHS						
	Ch.55.0 to Ch.135.0	Sqm	1	80	1.4	0.15	16.8
	RHS Ch.7.00 to Ch.42.00	Sqm	1	36.9	1.4	0.15	7.75
	Ch.109.0 to Ch.132.0	Sqm	1	24.6	1.4	0.15	5.17
	Road No.3 Sharavu Temple Road						
	RHS	0		47.5		0.45	
	Ch.42.0 to Ch.62.0	Sqm	1	17.5 0	1.4 0	0.15	3.68
	Ch.111.0 to Ch. 125.0	Sqm	1	13.5	1.4	0.15	2.84
	Road No.4 GHS Cross Road						
	RHS	-					
	Ch.80.0 to Ch.94.0 Ch.117.0 to Ch.154	Sqm Sqm	1	13.4 36.8	1.4 1.4	0.15 0.15	2.81 7.73
	LHS						
	Ch.22.0 to Ch.40.0 Ch.112.0 to Ch.40.0	Sqm Sqm	1	17 17.3	1.4 1.4	0.15 0.15	<u>3.57</u> 3.63
	Ch.134.0 to Ch.159.0	Sqm	1	25.5	1.4	0.15	5.36
┝───┦	Road No.8-Maidan 3rd Cross Road						
	RHS						
	Ch.155.0 to Ch.170.0	Sqm	1	15.8	1.4	0.15	3.32
	Ch.120.0 to Ch.173.0	Sqm	1	52.2	1.4	0.15	10.96
	Deed No O Diki Alaki Deed						
	Road No.9-Bibi Alabi Road Ch.277.0 to Ch.288.0	Sqm	1	12.5	1.4	0.15	2.63
		Cum		Total Qty.			2551.36
	desired density, complete as per specifications. A. Plant Mix Method Close graded granular sub-base material as per 400-1 For Grading- II Material (RA Attached)						
	Footpath Footpath						
	Road No.1-GHS Road						
	LHS Ch.0.0 to Ch.95.00	Cum	1	95			
	Ch.100.0 to Ch.260.00	Cum	1		2.73	0.15	38.9
	Ch.270.0 to Ch.370.00			160	3.23	0.15	77.52
	RHS	Cum	1				
	Ch.0.0 to Ch.140.00	Cum	1	160 100 140	3.23 2.97 2.3	0.15 0.15 0.15	77.52 44.55 48.3
			1	160 100 140	3.23 2.97	0.15 0.15	77.52 44.55
	Ch.0.0 to Ch.140.00 Ch.150.0 to Ch.280.0 Ch.290.0 to Ch.390.0	Cum Cum	1 1 1	160 100 140 130	3.23 2.97 2.3 3.18	0.15 0.15 0.15 0.15 0.15	77.52 44.55 48.3 62.01
	Ch.0.0 to Ch.140.00 Ch.150.0 to Ch.280.0	Cum Cum	1 1 1	160 100 140 130	3.23 2.97 2.3 3.18	0.15 0.15 0.15 0.15 0.15	77.52 44.55 48.3 62.01
	Ch.0.0 to Ch.140.00 Ch.150.0 to Ch.280.0 Ch.290.0 to Ch.390.0 Road No.2-P.M.Rao Road LHS Ch.00.0 to Ch.170.0	Cum Cum	1 1 1 1	160 100 140 130 100 170	3.23 2.97 2.3 3.18 3.68 2.83	0.15 0.15 0.15 0.15 0.15	77.52 44.55 48.3 62.01
	Ch.0.0 to Ch.140.00 Ch.150.0 to Ch.280.0 Ch.290.0 to Ch.390.0 Road No.2-P.M.Rao Road LHS	Cum Cum Cum	1 1 1 1	160 100 140 130 100 170	3.23 2.97 2.3 3.18 3.68	0.15 0.15 0.15 0.15 0.15	77.52 44.55 48.3 62.01 55.2
	Ch.0.0 to Ch.140.00 Ch.150.0 to Ch.280.0 Ch.290.0 to Ch.390.0 Road No.2-P.M.Rao Road LHS Ch.00.0 to Ch.170.0 RHS Ch.00.0 to Ch.170.0	Cum Cum Cum Cum	1 1 1 1 1 1	160 100 140 130 100 100 170 0	3.23 2.97 2.3 3.18 3.68 	0.15 0.15 0.15 0.15 0.15 0.15 0.15	77.52 44.55 48.3 62.01 55.2 72.17
	Ch.0.0 to Ch.140.00 Ch.150.0 to Ch.280.0 Ch.290.0 to Ch.390.0 Road No.2-P.M.Rao Road LHS Ch.00.0 to Ch.170.0 RHS	Cum Cum Cum Cum	1 1 1 1 1 1	160 100 140 130 100 100 170 0	3.23 2.97 2.3 3.18 3.68 	0.15 0.15 0.15 0.15 0.15 0.15 0.15	77.52 44.55 48.3 62.01 55.2 72.17
	Ch.0.0 to Ch.140.00 Ch.150.0 to Ch.280.0 Ch.290.0 to Ch.390.0 Road No.2-P.M.Rao Road LHS Ch.00.0 to Ch.170.0 RHS Ch.00.0 to Ch.170.0 Road No.3-Sharavu Temple Road LHS Ch.00.0 to Ch.170.0	Cum Cum Cum Cum	1 1 1 1 1 1	160 100 140 130 100 100 170 0	3.23 2.97 2.3 3.18 3.68 	0.15 0.15 0.15 0.15 0.15 0.15 0.15	77.52 44.55 48.3 62.01 55.2 72.17
	Ch.0.0 to Ch.140.00 Ch.150.0 to Ch.280.0 Ch.290.0 to Ch.390.0 Road No.2-P.M.Rao Road LHS Ch.00.0 to Ch.170.0 RHS Ch.00.0 to Ch.170.0 ROAD No.3-Sharavu Temple Road LHS	Cum Cum Cum Cum Cum	1 1 1 1 1 1 0 1	160 100 140 130 100 170 0 170 170 170	3.23 2.97 2.3 3.18 3.68 2.83 0 3.76	0.15 0.15 0.15 0.15 0.15 0.15 0.15	77.52 44.55 48.3 62.01 55.2 72.17 95.88
	Ch.0.0 to Ch.140.00 Ch.150.0 to Ch.280.0 Ch.290.0 to Ch.390.0 Road No.2-P.M.Rao Road LHS Ch.00.0 to Ch.170.0 RHS Ch.00.0 to Ch.170.0 Road No.3-Sharavu Temple Road LHS Ch.0.0 to Ch.170.0 RHS Ch.0.0 to Ch.170.0 RHS Ch.0.0 to Ch.170.0 RHS Ch.0.0 to Ch.55.0 to Ch.90.0	Cum Cum Cum Cum Cum Cum Cum Cum	1 1 1 1 1 1 0 1 1 1 1 1	160 100 140 130 100 100 170 0 170 170 170 50 35	3.23 2.97 2.3 3.18 3.68 2.83 0 3.76 2.82 2.82 4.23 2.84	0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15	77.52 44.55 48.3 62.01 55.2 72.17 95.88 71.91 31.73 14.91
	Ch.0.0 to Ch.140.00 Ch.150.0 to Ch.280.0 Ch.290.0 to Ch.390.0 Road No.2-P.M.Rao Road LHS Ch.00.0 to Ch.170.0 RHS Ch.00.0 to Ch.170.0 Road No.3-Sharavu Temple Road LHS Ch.0.0 to Ch.170.0 RHS Ch.0.0 to Ch.170.0 RHS Ch.0.0 to Ch.170.0	Cum Cum Cum Cum Cum Cum	1 1 1 1 1 1 0 1 1 1 1 1	160 100 140 130 100 170 0 170 170 170 50	3.23 2.97 2.3 3.18 3.68 2.83 0 3.76 2.82 2.82 4.23	0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15	77.52 44.55 48.3 62.01 55.2 72.17 95.88 71.91 31.73
	Ch.0.0 to Ch.140.00 Ch.150.0 to Ch.280.0 Ch.290.0 to Ch.390.0 Road No.2-P.M.Rao Road LHS Ch.00.0 to Ch.170.0 RHS Ch.00.0 to Ch.170.0 Road No.3-Sharavu Temple Road LHS Ch.0.0 to Ch.170.0 RHS Ch.0.0 to Ch.170.0 RHS Ch.0.0 to Ch.170.0 RHS Ch.0.0 to Ch.170.0 RHS Ch.0.0 to Ch.142.0 Road No.4-Sharavu Temple Road	Cum Cum Cum Cum Cum Cum Cum Cum	1 1 1 1 1 1 0 1 1 1 1 1	160 100 140 130 100 100 170 0 170 170 170 50 35	3.23 2.97 2.3 3.18 3.68 2.83 0 3.76 2.82 2.82 4.23 2.84	0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15	77.52 44.55 48.3 62.01 55.2 72.17 95.88 71.91 31.73 14.91
	Ch.0.0 to Ch.140.00 Ch.150.0 to Ch.280.0 Ch.290.0 to Ch.390.0 Road No.2-P.M.Rao Road LHS Ch.00.0 to Ch.170.0 RHS Ch.00.0 to Ch.170.0 Road No.3-Sharavu Temple Road LHS Ch.0.0 to Ch.170.0 RHS Ch.0.0 to Ch.170.0 RHS Ch.0.0 to Ch.50.0 Ch.55.0 to Ch.90.0 Ch.100.0 to Ch.142.0 Road No.4-Sharavu Temple Road LHS Ch.0.0 to Ch.50.0	Cum Cum Cum Cum Cum Cum Cum Cum	1 1 1 1 1 1 0 1 1 1 1 1	160 100 140 130 100 100 170 0 170 170 170 50 35	3.23 2.97 2.3 3.18 3.68 2.83 0 3.76 2.82 2.82 4.23 2.84	0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15	77.52 44.55 48.3 62.01 55.2 72.17 95.88 71.91 31.73 14.91
	Ch.0.0 to Ch.140.00 Ch.150.0 to Ch.280.0 Ch.290.0 to Ch.390.0 Road No.2-P.M.Rao Road LHS Ch.00.0 to Ch.170.0 RHS Ch.00.0 to Ch.170.0 RMS Ch.00.0 to Ch.170.0 RHS Ch.0.0 to Ch.170.0 RHS Ch.0.0 to Ch.50.0 Ch.55.0 to Ch.90.0 Ch.100.0 to Ch.142.0 Road No.4-Sharavu Temple Road LHS Ch.0.0 to Ch.185.00	Cum Cum Cum Cum Cum Cum Cum Cum Cum	1 1 1 1 1 1 0 1 1 1 1 1 1 1 1	160 100 140 130 100 170 0 170 170 170 50 35 42	3.23 2.97 2.3 3.18 3.68 2.83 0 3.76 2.82 2.82 4.23 2.84 3.55	0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15	77.52 44.55 48.3 62.01 55.2 72.17 95.88 71.91 31.73 14.91 22.37
	Ch.0.0 to Ch.140.00 Ch.150.0 to Ch.280.0 Ch.290.0 to Ch.390.0 Road No.2-P.M.Rao Road LHS Ch.00.0 to Ch.170.0 RHS Ch.00.0 to Ch.170.0 Road No.3-Sharavu Temple Road LHS Ch.0.0 to Ch.170.0 RHS Ch.0.0 to Ch.170.0 RHS Ch.0.0 to Ch.50.0 Ch.55.0 to Ch.90.0 Ch.100.0 to Ch.142.0 Road No.4-Sharavu Temple Road LHS Ch.0.0 to Ch.50.0	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum		160 100 140 130 100 170 0 170 170 50 35 42 42 50	3.23 2.97 2.3 3.18 3.68 2.83 0 3.76 2.82 4.23 2.84 3.55 3.55	0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15	77.52 44.55 48.3 62.01 55.2 72.17 95.88 71.91 31.73 14.91 22.37 26.63
	Ch.0.0 to Ch.140.00 Ch.150.0 to Ch.280.0 Ch.290.0 to Ch.390.0 Road No.2-P.M.Rao Road LHS Ch.00.0 to Ch.170.0 RHS Ch.00.0 to Ch.170.0 RHS Ch.0.0 to Ch.170.0 RHS Ch.0.0 to Ch.170.0 RHS Ch.0.0 to Ch.50.0 Ch.55.0 to Ch.90.0 Ch.100.0 to Ch.142.0 Road No.4-Sharavu Temple Road LHS Ch.0.0 to Ch.185.00 Ch.90.0 to Ch.185.00 RHS	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum		160 100 140 130 100 170 170 170 170 50 35 42 42 50 35 42 50 95	3.23 2.97 2.3 3.18 3.68 2.83 0 3.76 2.82 4.23 2.84 3.55 3.55 2.68	0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15	77.52 44.55 48.3 62.01 55.2 72.17 95.88 71.91 31.73 14.91 22.37 26.63 38.19 9.98
	Ch.0.0 to Ch.140.00 Ch.150.0 to Ch.280.0 Ch.290.0 to Ch.390.0 Road No.2-P.M.Rao Road LHS Ch.00.0 to Ch.170.0 RHS Ch.00.0 to Ch.170.0 Road No.3-Sharavu Temple Road LHS Ch.0.0 to Ch.170.0 RHS Ch.0.0 to Ch.50.0 Ch.55.0 to Ch.90.0 Ch.55.0 to Ch.90.0 Ch.142.0 Road No.4-Sharavu Temple Road LHS Ch.0.0 to Ch.185.00 Ch.90.0 to Ch.185.00 RHS Ch.0.0 to Ch.35.0 Ch.0.0 to Ch.35.0 Ch.0.0 to Ch.35.0 Ch.0.0 to Ch.35.0 Ch.0.0 to Ch.180.0	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	1 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1	160 100 140 130 100 170 0 170 170 170 50 355 42 42 50 95 35	3.23 2.97 2.3 3.18 3.68 2.83 0 3.76 2.82 4.23 2.82 4.23 2.84 3.55 3.55 2.68 2.68 1.9	0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15	77.52 44.55 48.3 62.01 55.2 72.17 95.88 71.91 31.73 14.91 22.37 26.63 38.19
	Ch.0.0 to Ch.140.00 Ch.150.0 to Ch.280.0 Ch.290.0 to Ch.390.0 Road No.2-P.M.Rao Road LHS Ch.00.0 to Ch.170.0 RHS Ch.00.0 to Ch.170.0 RHS Ch.0.0 to Ch.170.0 RHS Ch.0.0 to Ch.170.0 RHS Ch.0.0 to Ch.50.0 Ch.55.0 to Ch.90.0 Ch.100.0 to Ch.142.0 Road No.4-Sharavu Temple Road LHS Ch.0.0 to Ch.185.00 RHS Ch.0.0 to Ch.185.00 RHS Ch.0.0 to Ch.35.0 Ch.55.0 to Ch.35.0 Ch.55.0 to Ch.35.0 Ch.55.0 to Ch.35.0 Ch.0.0 to Ch.180.0 RHS Ch.0.0 to Ch.180.0 Ch.55.0 to Ch.35.0 Ch.55.0 to Ch.35.0 Ch.55.0 to Ch.35.0 Ch.55.0 to Ch.35.0 Ch.55.0 to Ch.35.0 Ch.55.0 to Ch.180.0 Ch.55.0 to Ch.55.0 Ch.55.0 to Ch.55.0 to Ch.55.0 Ch.55.0 to Ch.55.0 t	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum		160 100 130 130 100 170 170 170 50 35 42 50 35 42 50 35 42 50 35 130	3.23 2.97 2.3 3.18 3.68 2.83 0 0 3.76 2.82 4.23 2.84 3.55 2.68 3.55 2.68 1.9 2.34	0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15	77.52 44.55 48.3 62.01 55.2 72.17 95.88 71.91 31.73 14.91 22.37 26.63 38.19 9.98 45.63
	Ch.0.0 to Ch.140.00 Ch.150.0 to Ch.280.0 Ch.290.0 to Ch.390.0 Road No.2-P.M.Rao Road LHS Ch.00.0 to Ch.170.0 RHS Ch.00.0 to Ch.170.0 RHS Ch.0.0 to Ch.170.0 RHS Ch.0.0 to Ch.170.0 RHS Ch.0.0 to Ch.50.0 Ch.55.0 to Ch.90.0 Ch.100.0 to Ch.142.0 Road No.4-Sharavu Temple Road LHS Ch.0.0 to Ch.185.00 Ch.90.0 to Ch.185.00 RHS Ch.0.0 to Ch.35.0 Ch.50.0 to Ch.35.0 Ch.50.0 to Ch.35.0 Ch.50.0 to Ch.35.0 Ch.50.0 to Ch.35.0 Ch.50.0 to Ch.35.0 Ch.50.0 to Ch.180.0 Road No.7-Maidan 1st Cross Road LHS Ch.0.0 to Ch.92.00	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	1 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1	160 100 140 130 100 170 0 170 170 170 50 355 42 42 50 95 35	3.23 2.97 2.3 3.18 3.68 2.83 0 3.76 2.82 4.23 2.82 4.23 2.84 3.55 3.55 2.68 2.68 1.9	0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15	77.52 44.55 48.3 62.01 55.2 72.17 95.88 71.91 31.73 14.91 22.37 26.63 38.19 9.98
	Ch.0.0 to Ch.140.00 Ch.150.0 to Ch.280.0 Ch.290.0 to Ch.390.0 Road No.2-P.M.Rao Road LHS Ch.00.0 to Ch.170.0 RHS Ch.00.0 to Ch.170.0 RHS Ch.0.0 to Ch.170.0 RHS Ch.0.0 to Ch.170.0 RHS Ch.0.0 to Ch.50.0 Ch.55.0 to Ch.90.0 Ch.100.0 to Ch.142.0 Road No.4-Sharavu Temple Road LHS Ch.0.0 to Ch.185.00 RHS Ch.0.0 to Ch.185.00 RHS Ch.0.0 to Ch.35.0 Ch.55.0 to Ch.35.0 Ch.55.0 to Ch.35.0 Ch.55.0 to Ch.35.0 Ch.0.0 to Ch.180.0 RHS Ch.0.0 to Ch.180.0 Ch.55.0 to Ch.35.0 Ch.55.0 to Ch.35.0 Ch.55.0 to Ch.35.0 Ch.55.0 to Ch.35.0 Ch.55.0 to Ch.35.0 Ch.55.0 to Ch.180.0 Ch.55.0 to Ch.55.0 Ch.55.0 to Ch.55.0 to Ch.55.0 Ch.55.0 to Ch.55.0 t	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum		160 100 130 130 100 170 170 170 50 35 42 50 35 42 50 35 42 50 35 130	3.23 2.97 2.3 3.18 3.68 2.83 0 0 3.76 2.82 4.23 2.84 3.55 2.68 3.55 2.68 1.9 2.34	0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15	77.52 44.55 48.3 62.01 55.2 72.17 95.88 71.91 31.73 14.91 22.37 26.63 38.19 9.98 45.63

Sr. No.	Description	Unit	No's	L	В	Н	Qty.
	Road No.8-Maidan 3rd Cross Road						
	LHS Ch.20.0 to Ch.180.0	Cum	1	160	2.8	0.15	67.2
	RHS	Culli		100	2.0	0.15	07.2
	Ch.0.0 to Ch.180.0	Cum	1	180	3.11	0.15	83.97
	Road No.9 Bibi Alabi Road						
	LHS Ch.0.0 to Ch.200.00	Cum	1	200	5.38	0.15	161.4
	Ch.210.00 to Ch.320.00	Cum	1		5.61	0.15	92.57
	Ch.330.0 to Ch.430.00	Cum	1		6.75	0.15	101.25
	RHS						
	Ch.30.00 to Ch.160.00	Cum	1		4.48	0.15	87.36
	Ch.170.00 to Ch.340.00 Ch.345.00 to Ch.430.00	Cum Cum	1	170 85	4.75 4.41	0.15 0.15	<u>121.13</u> 56.23
	GII.545.00 10 GII.450.00	Culli	1	05	4.41	0.13	50.25
	Road No.10-Bibi Alabi - Kandak Road						
	LHS						
-	Ch.0.0 to Ch.145.0	Cum	1		1.49	0.15	32.41
	Ch.55.00 to Ch.165.0	Cum Cum	1		0.15 1.58	0.15 0.15	2.48
	Ch.185.00 to Ch.230.0 Ch.320.00 to Ch.405.00	Cum	1		3.87	0.15	49.34
	Ch.425.00 to Ch.460.0	Cum	1		3.54	0.15	18.59
	RHS						
	Ch.40.0 to Ch.260.0	Cum	1		1.5	0.15	49.5
	Ch.270.0 to Ch.290.0	Cum	1		3.45	0.15	10.35
	Ch.305.0 to Ch.460.0	Cum	1	155	3.11	0.15	72.31
┝───	Road No.11-Maidan 4th Cross Road-Extn.	}					
	LHS						
	Ch.25.0 to Ch.200.00	Cum	1	175	3.11	0.15	81.64
	RHS						
	Ch.0.0 to Ch.200.00	Cum	1	175	3.18	0.15	83.48
	Road No.13-J.M.1st Cross Road LHS						
	Ch.160.0 to Ch.170.0	Cum	1	10	1.91	0.15	2.87
	Ch.175.0 to Ch.200.0	Cum	1		2.51	0.15	9.41
	Ch.218.0 to Ch.227	Cum	1		1.31	0.15	1.77
	RHS						
	Ch.160.0 to Ch.190.0	Cum	1	30	2.27	0.15	10.22
	Road No.15-Mission Street Road Extn.						
	LHS						
	Ch.0.0 to Ch.20.00	Cum	1	20	1.1	0.15	3.3
	RHS						
	Ch.20.0 to Ch.90.0	Cum	1		1.8	0.15	18.9
	Ch.180.0 to Ch.200	Cum	1	20	1.85	0.15	5.55
	Road No.9-Bibi Alabi Road						
	Median	Cum	1	355	1.1	0.15	58.58
	Box Culvert						
	Road No.1-GHS Road Box Culvert-Slab	Cum	3	23	1.5	0.15	15.53
	Road No.2-P.M.Rao Road	Oum	0	20	1.0	0.10	10.00
	Box Culvert-Slab	Cum	1	12.2	1.5	0.15	2.75
	Road No.3-Sharavu Temple Road						
	Box Culvert-Slab	Cum	1	10	1.5	0.15	2.25
	Road No.4-G.H.S. Cross Road	Cum	1	8.8	1.5	0.15	1.00
	Box Culvert-Slab Road No.5-Vithoba Temple Road	Cum	1	0.0	C.1	0.15	1.98
	Box Culvert-Slab	Cum	4	11.4	1.5	0.15	10.26
	Road No.7-Maidan 1st Cross Road						10.20
	Box Culvert-Slab	Cum	1	18.05	1.5	0.15	4.06
	Road No.8-Maidan 3rd Cross Road						
	Box Culvert-Slab	Cum	1	13.1	1.5	0.15	2.95
	Road No.9-Bibi Alabi Road Box Culvert-Slab	Cum	0	8.3	1.5	0.15	0.00
	Road 10-Bibi Alabi-Kandak Road	Oum		0.0	1.0	0.10	0.00
	Box Culvert-Slab	Cum	4	8.3	1.5	0.15	7.47
	Road 11-Maidan 4th Cross Road-Extn						
ļ	Box Culvert-Slab	Cum	1	8.3	1.5	0.15	1.87
	Road 13-J.M 1st Cross Road	C				0.45	0.74
	Box Culvert-Slab Road 15-Mission Street Road	Cum	2	8.3	1.5	0.15	3.74
	Box Culvert-Slab	Cum	7	8.3	1.5	0.15	13.07
			· ·	0.0		0.10	
		Cum		Total Qty.			2206.98

Sr. No.	Description	Unit	No's		в	н	Qty.
51. NO.	KSRB 4.2.1 : Providing and laying in position reiforcement cement concrete of design	Unit	110.5	L	Ь		હાપુ.
	Mix M25 with OPC cement @340Kgs, with 20mm and down size graded granite metal						
	coarse aggregate @ 0.47 cum with super plasticisers @3 liters confirming to IS 9103-						
	1999 reafirmed -2008 at machine mixed, concrete laid in layers not exceeding 15cms						
	thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return						
17	walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts,						
	buttresses, bed blocks, anchor blocks & plinths etc., Including cost of labour, HOM of						
	machinery, curing, complete but excluding cost of reinforcement as per specifications.						
	(SI No : 4.10 of KPWD 18-19)						
	SWD						
	Road No.1 G.H.S.Road			Sides	1.00		
	Node-MH-633 to MH-634			Width	0.75		
	Base	Cum	1.00	39.9	1.35	0.13	6.73
	Wall	Cum	2	39.9	0.2	1.39	22.18
	Slab	Cum	1.00	39.9	1.15	0.15	6.88
				14/: -141-	0.75		
	Node-MH-634 to MH-635 Base	Cum	1.00	Width 49.4	0.75 1.35	0.13	8.34
	Wall	Cum	2	49.4	0.2	1.22	24.01
	Slab	Cum	1.00	49.4	1.15	0.15	8.52
	Node-MH-635 to MH-636			Width	0.75		
	Base	Cum	1.00	24.1	1.35	0.13	4.07
	Wall	Cum	2	24.1	0.2	1.38	13.30
	Slab	Cum	1.00	24.1	1.15	0.15	4.16
				10/101	0 75		
	Node-MH-636 to MH-637	C	4.00	Width	0.75	0.40	0.40
	Base Wall	Cum Cum	1.00	54.4 54.4	1.35 0.2	0.13	9.18 26.66
	Slab	Cum	1.00	54.4 54.4	1.15	0.15	9.38
		Guill	1.00	34.4	1.10	0.13	3.00
	Node-MH-637 to MH-638			Width	0.75		
	Base	Cum	1.00	52.4	1.35	0.13	8.84
	Wall	Cum	2	52.4	0.2	1.24	25.99
	Slab	Cum	1.00	52.4	1.15	0.15	9.04
	Node-MH-638 to MH-639			Width	0.75		
	Base	Cum	1.00	31.9	1.35	0.13	5.38
	Wall Slab	Cum Cum	2	31.9 31.9	0.2 1.15	1.27 0.15	<u>16.14</u> 5.50
	Siab	Culli	1.00	51.5	1.15	0.15	5.50
	Node-MH-639 to MH-640			Width	0.75		
	Base	Cum	1.00	16.4	1.35	0.13	2.77
	Wall	Cum	2	16.4	0.2	1.26	8.27
	Slab	Cum	1.00	16.4	1.15	0.15	2.83
	Node-MH-640 to MH-641			Width	1.2		
	Base	Cum	1.00		1.8	0.13	6.53
	Wall Slab	Cum Cum	2	29 29	0.2 1.6	1.38 0.15	<u>16.01</u> 6.96
	Siab	Cum	1.00	29	1.0	0.15	0.90
	Node-MH-641 to MH-642			Width	1.2		
	Base	Cum	1.00	61.2	1.8	0.13	13.77
	Wall	Cum	2	61.2	0.2	1.25	30.60
	Slab	Cum	1.00	61.2	1.6	0.15	14.69
				<u> </u>			
				Sides	1.00		
	Node-MH-797 to MH-798	Cum	1.00	Width 40.2	0.9 1.5	0.40	7 5 4
	Base Wall	Cum Cum	1.00	40.2	1.5 0.2	0.13 1.67	7.54 26.77
	Slab	Cum	1.00	40.2	1.3	0.15	7.84
		0.0111		.0.2	1.5	0.10	
	Node-MH-798 to MH-799			Width	0.9		
	Base	Cum	1.00	27	1.5	0.13	5.06
	Wall	Cum	2	27	0.2	1.50	16.20
	Slab	Cum	1.00	27	1.3	0.15	5.27
				10/11/1			
	Node-MH-799 to MH-800	C	4.00	Width	0.9	0.40	A 4 4
		Cum	1.00	21.9 21.9	1.5 0.2	0.13 1.50	4.11 13.14
	Base	Cum		∠1.9			4.27
	Wall	Cum Cum		21 0	1 3	11.151	
		Cum Cum	1.00	21.9	1.3	0.15	1.21
	Wall			21.9 Width	1.3 0.9	0.15	
	Wall Slab Node-MH-800 to MH-802 Base	Cum	1.00	Width 79.6	0.9 1.5	0.13	14.93
	Wall Slab Node-MH-800 to MH-802 Base Wall	Cum Cum Cum	1.00 1.00 2	Width 79.6 79.6	0.9 1.5 0.2	0.13 1.42	14.93 45.21
	Wall Slab Node-MH-800 to MH-802 Base	Cum	1.00	Width 79.6	0.9 1.5	0.13	14.93
	Wall Slab Node-MH-800 to MH-802 Base Wall Slab	Cum Cum Cum	1.00 1.00 2	Width 79.6 79.6 79.6	0.9 1.5 0.2 1.3	0.13 1.42	14.93 45.21
	Wall Slab Node-MH-800 to MH-802 Base Wall Slab Node-MH-802 to MH-654	Cum Cum Cum Cum	1.00 1.00 2 1.00	Width 79.6 79.6 79.6 Width	0.9 1.5 0.2 1.3 0.9	0.13 1.42 0.15	14.93 45.21 15.52
	Wall Slab Node-MH-800 to MH-802 Base Wall Slab Node-MH-802 to MH-654 Base	Cum Cum Cum Cum Cum	1.00 1.00 2 1.00 1.00	Width 79.6 79.6 79.6 Width 47.8	0.9 1.5 0.2 1.3 0.9 1.5	0.13 1.42 0.15 0.13	14.93 45.21 15.52 8.96
	Wall Slab Node-MH-800 to MH-802 Base Wall Slab Node-MH-802 to MH-654 Base Wall	Cum Cum Cum Cum Cum Cum	1.00 1.00 2 1.00 1.00 2	Width 79.6 79.6 79.6 Width 47.8 47.8	0.9 1.5 0.2 1.3 0.9 1.5 0.2	0.13 1.42 0.15 0.13 1.32	14.93 45.21 15.52 8.96 25.24
	Wall Slab Node-MH-800 to MH-802 Base Wall Slab Node-MH-802 to MH-654 Base	Cum Cum Cum Cum Cum	1.00 1.00 2 1.00 1.00	Width 79.6 79.6 79.6 Width 47.8	0.9 1.5 0.2 1.3 0.9 1.5	0.13 1.42 0.15 0.13	14.93 45.21 15.52 8.96
	Wall Slab Node-MH-800 to MH-802 Base Wall Slab Node-MH-802 to MH-654 Base Wall	Cum Cum Cum Cum Cum Cum	1.00 1.00 2 1.00 1.00 2	Width 79.6 79.6 79.6 Width 47.8 47.8 47.8	0.9 1.5 0.2 1.3 0.9 1.5 0.2	0.13 1.42 0.15 0.13 1.32	14.93 45.21 15.52 8.96 25.24
	Wall Slab Node-MH-800 to MH-802 Base Wall Slab Node-MH-802 to MH-654 Base Wall	Cum Cum Cum Cum Cum Cum	1.00 1.00 2 1.00 1.00 2	Width 79.6 79.6 79.6 Width 47.8 47.8	0.9 1.5 0.2 1.3 0.9 1.5 0.2 1.3	0.13 1.42 0.15 0.13 1.32	14.93 45.21 15.52 8.96 25.24
	Wall Slab Node-MH-800 to MH-802 Base Wall Slab Node-MH-802 to MH-654 Base Wall Slab	Cum Cum Cum Cum Cum Cum	1.00 1.00 2 1.00 1.00 2	Width 79.6 79.6 79.6 Width 47.8 47.8 47.8 47.8 47.8 50des Width 50.1	0.9 1.5 0.2 1.3 0.9 1.5 0.2 1.3 1.02	0.13 1.42 0.15 0.13 1.32	14.93 45.21 15.52 8.96 25.24 9.32 8.45
	Wall Slab Node-MH-800 to MH-802 Base Wall Slab Node-MH-802 to MH-654 Base Wall Slab Node-MH-802 to MH-654 Base Wall Slab Node-MH-803 to MH-804	Cum Cum Cum Cum Cum Cum Cum	1.00 1.00 2 1.00 1.00 2 1.00	Width 79.6 79.6 79.6 47.8 47.8 47.8 47.8 47.8 50.4 50.1 50.1	0.9 1.5 0.2 1.3 0.9 1.5 0.2 1.5 0.2 1.3 1.00 0.75	0.13 1.42 0.15 0.13 1.32 0.15	14.93 45.21 15.52 8.96 25.24 9.32

lo.	Description	Unit	No's	L	В	Н	Qty.
	Node-MH-804 to MH-805			Width	0.75		
	Base	Cum	1.00	33.7	1.35	0.13	5.69
	Wall	Cum	2.00	33.7	0.2	1.33	17.86
	Slab	Cum	1.00	33.7	1.15	0.15	5.81
	Node-MH-805 to O-85			Width	0.75		
	Base	Cum	1.00	44.37	1.35	0.13	7.49
	Wall	Cum	2.00	44.37	0.2	1.26	22.27
	Slab	Cum	1.00	44.37	1.15	0.15	7.65
		Total Lengt	h=	703.37			
	Deed No 0 D M Dee Deed						
	Road No.2-P.M.Rao Road			Sides	1.00		
	Node-MH-644			Width	0.9		
	Base	Cum	1.00	38.1	1.5	0.13	7.14
	Wall	Cum	2.00	38.1	0.2	1.49	22.63
	Slab	Cum	1.00	38.1	1.3	0.15	7.43
	Nodo MU 645			Width	0.9		
	Node-MH-645 Base	Cum	1.00	26.8	1.5	0.13	5.03
	Wall	Cum	2.00	26.8	0.2	1.66	17.80
	Slab	Cum	1.00	26.8	1.3	0.15	5.23
	Node-MH-646			Width	0.9		
	Base	Cum	1.00	32.5	1.5	0.13	6.09
	Wall Slab	Cum Cum	2.00	32.5 32.5	0.2 1.3	1.55 0.15	20.09
	Jiau	Cum	1.00	32.3	1.3	0.15	6.34
	Node-MH-647			Width	0.9		
	Base	Cum	1.00	46.4	1.5	0.13	8.70
	Wall	Cum	2.00	46.4	0.2	1.23	22.83
	Slab	Cum	1.00	46.4	1.3	0.15	9.05
		-					
	Node-MH-648	0	1.00	Width	0.9	0.40	= 10
	Base Wall	Cum Cum	1.00 2.00	27.6 27.6	1.5 0.2	0.13 1.23	<u>5.18</u> 13.52
	Slab	Cum	1.00	27.6	1.3	0.15	5.38
	Glab	Cum	1.00	21.0	1.5	0.15	5.50
	Node-MH-639			Width	0.9		
	Base	Cum	1.00	11.3	1.5	0.13	2.12
	Wall	Cum	2.00	11.3	0.2	1.24	5.60
	Slab	Cum	1.00	11.3	1.3	0.15	2.20
		Total Lengt	n=	182.7			
	Road No.3-Sharavu Temple Road						
				Sides	1.00		
	Node-MH-649 to MH-650			Width	0.75		
	Base	Cum	1.00	42.8	1.35	0.13	7.22
	Wall	Cum	2.00		0.2	1.29	22.00
	Slab	Cum	1.00	42.8	1.15	0.15	7.38
	Node-MH-650 to MH-651			Width	0.75		
	Base	Cum	1.00	51.3	1.35	0.13	8.66
	Wall	Cum				0.15	
		Cum	2.00	51.3	0.2	1.39	28.42
	Slab	Cum	2.00	51.3	0.2 1.15		28.42 8.85
				51.3	1.15	1.39	
	Node-MH-651 to MH-652	Cum	1.00	51.3 Width	1.15 0.75	1.39 0.15	8.85
	Node-MH-651 to MH-652 Base	Cum	1.00	51.3 Width 23.8	1.15 0.75 1.35	1.39 0.15 0.13	8.85
	Node-MH-651 to MH-652 Base Wall	Cum Cum Cum	1.00 1.00 2.00	51.3 Width 23.8 23.8	1.15 0.75 1.35 0.2	1.39 0.15 0.13 1.22	8.85 4.02 11.57
	Node-MH-651 to MH-652 Base	Cum	1.00	51.3 Width 23.8	1.15 0.75 1.35	1.39 0.15 0.13	8.85
	Node-MH-651 to MH-652 Base Wall	Cum Cum Cum	1.00 1.00 2.00	51.3 Width 23.8 23.8	1.15 0.75 1.35 0.2	1.39 0.15 0.13 1.22	8.85 4.02 11.57
	Node-MH-651 to MH-652 Base Wall Slab Node-MH-652 to MH-653 Base	Cum Cum Cum Cum Cum Cum	1.00 1.00 2.00 1.00 1.00	51.3 Width 23.8 23.8 23.8 23.8 Width 25.1	1.15 0.75 1.35 0.2 1.15 0.75 1.35	1.39 0.15 0.13 1.22 0.15 0.15	8.85 4.02 11.57 4.11 4.24
	Node-MH-651 to MH-652 Base Wall Slab Node-MH-652 to MH-653 Base Wall	Cum Cum Cum Cum Cum Cum Cum	1.00 1.00 2.00 1.00 1.00 2.00	51.3 Width 23.8 23.8 23.8 23.8 Width 25.1 25.1	1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2	1.39 0.15 0.13 1.22 0.15 0.13 0.13 1.22	8.85 4.02 11.57 4.11 4.24 12.25
	Node-MH-651 to MH-652 Base Wall Slab Node-MH-652 to MH-653 Base	Cum Cum Cum Cum Cum Cum	1.00 1.00 2.00 1.00 1.00	51.3 Width 23.8 23.8 23.8 23.8 Width 25.1	1.15 0.75 1.35 0.2 1.15 0.75 1.35	1.39 0.15 0.13 1.22 0.15 0.15	8.85 4.02 11.57 4.11 4.24
	Node-MH-651 to MH-652 Base Wall Slab Node-MH-652 to MH-653 Base Wall Slab	Cum Cum Cum Cum Cum Cum Cum	1.00 1.00 2.00 1.00 1.00 2.00	51.3 Width 23.8 23.8 23.8 23.8 Width 25.1 25.1 25.1	1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15	1.39 0.15 0.13 1.22 0.15 0.13 0.13 1.22	8.85 4.02 11.57 4.11 4.24 12.25
	Node-MH-651 to MH-652 Base Wall Slab Node-MH-652 to MH-653 Base Wall Slab Node-MH-652 to OH-653 Base Wall Slab	Cum Cum Cum Cum Cum Cum Cum	1.00 2.00 1.00 1.00 2.00 1.00	51.3 Width 23.8 23.8 23.8 Width 25.1 25.1 25.1 25.1 25.1 Width	1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.35 0.2 1.15	1.39 0.15 0.13 1.22 0.15 0.13 1.22 0.15	8.85 4.02 11.57 4.11 4.24 12.25 4.33
	Node-MH-651 to MH-652 Base Wall Slab Node-MH-652 to MH-653 Base Wall Slab Node-MH-653 to O-76 Base	Cum Cum Cum Cum Cum Cum Cum Cum Cum	1.00 1.00 2.00 1.00 2.00 1.00 1.00 1.00	51.3 Width 23.8 23.8 23.8 23.8 23.8 25.1 25.1 25.1 25.1 25.1 25.1 25.1 38.8	1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35	1.39 0.15 0.13 1.22 0.15 0.13 1.22 0.15 0.13	8.85 4.02 11.57 4.11 4.24 12.25 4.33 6.55
	Node-MH-651 to MH-652 Base Wall Slab Node-MH-652 to MH-653 Base Wall Slab Node-MH-652 to OH-653 Base Wall Slab	Cum Cum Cum Cum Cum Cum Cum	1.00 2.00 1.00 1.00 2.00 1.00	51.3 Width 23.8 23.8 23.8 Width 25.1 25.1 25.1 25.1 25.1 Width	1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.35 0.2 1.15	1.39 0.15 0.13 1.22 0.15 0.13 1.22 0.15	8.85 4.02 11.57 4.11 4.24 12.25 4.33
	Node-MH-651 to MH-652 Base Wall Slab Node-MH-652 to MH-653 Base Wall Slab Node-MH-653 to O-76 Base Wall	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	1.00 2.00 1.00 2.00 1.00 2.00 1.00 1.00	51.3 Width 23.8 23.8 23.8 23.8 23.8 25.1 25.1 25.1 25.1 25.1 25.1 25.1 38.8 38.8 38.8	1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.75 1.35 0.2	1.39 0.15 0.13 1.22 0.15 0.13 1.22 0.15 0.13 1.22	8.85 4.02 11.57 4.11 4.24 12.25 4.33 6.55 18.93
	Node-MH-651 to MH-652 Base Wall Slab Node-MH-652 to MH-653 Base Wall Slab Node-MH-653 to O-76 Base Wall Slab	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	1.00 2.00 1.00 2.00 1.00 2.00 1.00 1.00	51.3 Width 23.8 23.8 23.8 23.8 23.8 25.1 25.1 25.1 25.1 25.1 25.1 25.1 25.1	1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.75 1.35 0.2	1.39 0.15 0.13 1.22 0.15 0.13 1.22 0.15 0.13 1.22	8.85 4.02 11.57 4.11 4.24 12.25 4.33 6.55 18.93
	Node-MH-651 to MH-652 Base Wall Slab Node-MH-652 to MH-653 Base Wall Slab Node-MH-653 to O-76 Base Wall	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	1.00 1.00 2.00 1.00 2.00 1.00 1.00 2.00 1.00 0.00 1.00 h=	51.3 Width 23.8 23.8 23.8 23.8 Width 25.1 25.1 25.1 25.1 25.1 25.1 25.1 38.8 38.8 38.8 38.8 38.8 181.8	1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.2 1.15	1.39 0.15 0.13 1.22 0.15 0.13 1.22 0.15 0.13 1.22	8.85 4.02 11.57 4.11 4.24 12.25 4.33 6.55 18.93
	Node-MH-651 to MH-652 Base Wall Slab Node-MH-652 to MH-653 Base Wall Slab Node-MH-653 to O-76 Base Wall Slab	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	1.00 1.00 2.00 1.00 2.00 1.00 1.00 2.00 1.00 0.00 1.00 h=	51.3 Width 23.8 23.8 23.8 23.8 23.8 25.1 25.1 25.1 25.1 25.1 25.1 25.1 25.1	1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.75 1.35 0.2	1.39 0.15 0.13 1.22 0.15 0.13 1.22 0.15 0.13 1.22	8.85 4.02 11.57 4.11 4.24 12.25 4.33 6.55 18.93
	Node-MH-651 to MH-652 Base Wall Slab Node-MH-652 to MH-653 Base Wall Slab Node-MH-653 to O-76 Base Wall Slab Base	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	1.00 1.00 2.00 1.00 2.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	51.3 Width 23.8 23.8 23.8 23.8 23.8 23.8 23.8 23.8	1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.00 0.15 0.2 1.00 0.15 0.2 1.00 0.15 0.2 1.00 0.15 0.2 1.00 0.15 0.2 1.00 0.2 0.2 0.2 0.2 0.2 0.2 0.2	1.39 0.15 0.13 1.22 0.15 0.13 1.22 0.15 0.13 1.22 0.15 0.13 1.22 0.15	8.85 4.02 11.57 4.11 4.24 12.25 4.33 6.55 18.93
	Node-MH-651 to MH-652 Base Wall Slab Node-MH-652 to MH-653 Base Wall Slab Node-MH-653 to O-76 Base Wall Slab Node-MH-653 to O-76 Base Wall Slab Node-MH-653 to O-76 Base Wall Slab Node-MH-653 to O-76 Base Wall Slab Wall Slab Wall Slab	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	1.00 2.00 1.00 2.00 1.00 2.00 1.00 1.00	51.3 Width 23.8 23.8 23.8 23.8 23.8 23.8 23.8 25.1 25.1 25.1 25.1 25.1 25.1 25.1 38.8 38.8 38.8 38.8 38.8 38.8 38.8 38	1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 1.35 0.2 1.15 0.2 1.15 0.75 1.35 0.2 1.15 0.2 1.15 0.2 1.15 0.2 0.2 1.15 0.2 0.2 1.15 0.2 0.2 1.15 0.2 0.2 1.15 0.2 0.2 1.15 0.2 0.2 1.15 0.2 0.2 1.15 0.2 0.2 1.15 0.2 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.15 0.2 1.15 0.2 1.35 0.2 1.15 0.2 1.35 0.2 1.15 0.2 1.35 0.2 1.15 0.2 1.15 0.2 1.15 0.2 0.2 1.15 0.2 0.2 1.15 0.2 0.2 1.15 0.2 0.2 0.2 1.15 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2	1.39 0.15 0.13 1.22 0.15 0.13 1.22 0.15 0.13 1.22 0.15 0.13 1.22 0.15	8.85 4.02 11.57 4.11 4.24 12.25 4.33 6.55 18.93 6.69 2.16 6.43
	Node-MH-651 to MH-652 Base Wall Slab Node-MH-652 to MH-653 Base Wall Slab Node-MH-653 to O-76 Base Wall Slab Base	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	1.00 1.00 2.00 1.00 2.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	51.3 Width 23.8 23.8 23.8 23.8 23.8 23.8 23.8 23.8	1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.35 0.2 1.15 0.2 1.35 0.2 1.15 0.2 1.15 0.2 1.35 0.25 1.35 0.25 1.35 0.25 0	1.39 0.15 0.13 1.22 0.15 0.13 1.22 0.15 0.13 1.22 0.15 0.13 1.22 0.15	8.85 4.02 11.57 4.11 4.24 12.25 4.33 6.55 18.93 6.69 2.16
	Node-MH-651 to MH-652 Base Wall Slab Node-MH-652 to MH-653 Base Wall Slab Node-MH-653 to O-76 Base Wall Slab Node-MH-653 to O-76 Base Wall Slab Slab Node-MH-654 to O-76 Base Wall Slab Node-MH-654 to MH-655 Base Wall Slab	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	1.00 2.00 1.00 2.00 1.00 2.00 1.00 1.00	51.3 Width 23.8 23.8 23.8 23.8 23.8 23.8 23.8 23.8	1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 1.35 0.2 1.15 1.35 0.2 1.15 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15	1.39 0.15 0.13 1.22 0.15 0.13 1.22 0.15 0.13 1.22 0.15 0.13 1.22 0.15	8.85 4.02 11.57 4.11 4.24 12.25 4.33 6.55 18.93 6.69 2.16 6.43
	Node-MH-651 to MH-652 Base Wall Slab Node-MH-652 to MH-653 Base Wall Slab Node-MH-653 to O-76 Base Wall Slab Node-MH-653 to O-76 Base Wall Slab Road No.4-G.H.S. Cross Road Node-MH-654 to MH-655 Base Wall Slab Node-MH-655 to MH-655 Base Wall Node-MH-655 to MH-655	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	1.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 1.00 0.00 1.00	51.3 Width 23.8 23.8 23.8 23.8 Width 25.1 25.1 25.1 25.1 38.8 38.8 38.8 38.8 38.8 38.8 38.8 38	1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.2 1.15 0.2 1.15 0.75 1.35 0.2 1.15 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0	1.39 0.15 0.13 1.22 0.15 0.13 1.22 0.15 0.13 1.22 0.15 0.13 1.22 0.15 0.13 1.22 0.15	8.85 4.02 11.57 4.11 4.24 12.25 4.33 6.55 18.93 6.69 2.16 6.43 2.21
	Node-MH-651 to MH-652 Base Wall Slab Node-MH-652 to MH-653 Base Wall Slab Node-MH-652 to O-76 Base Wall Slab Node-MH-653 to O-76 Base Wall Slab Node-MH-653 to O-76 Base Wall Slab Road No.4-G.H.S. Cross Road Node-MH-654 to MH-655 Base Wall Slab Node-MH-655 to MH-655 Base	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	1.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 1.00 2.00 1.00 1.00 2.00 1.00	51.3 Width 23.8 23.8 23.8 23.8 23.8 23.8 23.8 23.8	1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.35 0.25 1.35 0.2	1.39 0.15 0.13 1.22 0.15 0.13 1.22 0.15 0.13 1.22 0.15 0.13 1.22 0.15 0.13 1.22 0.15	8.85 4.02 11.57 4.11 4.24 12.25 4.33 6.55 18.93 6.69 2.16 6.43 2.21 4.19
	Node-MH-651 to MH-652 Base Wall Slab Node-MH-652 to MH-653 Base Wall Slab Node-MH-652 to OH-653 Base Wall Slab Node-MH-653 to O-76 Base Wall Slab Road No.4-G.H.S. Cross Road Node-MH-654 to MH-655 Base Wall Slab Node-MH-655 to MH-655 Base Wall Slab Node-MH-655 to MH-656 Base Wall Slab	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	1.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00	51.3 Width 23.8 23.8 23.8 23.8 23.8 23.8 23.8 23.8 23.8 23.8 23.8 25.1	1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.2 1.15 0.75 1.35 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.35 0.2 1.15 0.2 1.35 0.2 1.15 0.2 1.35 0.2 1.35 0.2 1.15 0.2 1.35 0.2 1.15 0.2 1.35 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.35 0.2 1.15 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 0.75 1.35 0.2 0.75 0.2 0.75 0.2 0.75 0.2 0.75 0.2 0.75 0.2 0.75 0.2 0.75 0.2 0.75 0.2 0.2 0.75 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2	1.39 0.15 0.13 1.22 0.15 0.13 1.22 0.15 0.13 1.22 0.15 0.13 1.22 0.15 0.13 1.22 0.15 0.13 1.26 0.15	8.85 4.02 11.57 4.11 4.24 12.25 4.33 6.55 18.93 6.69 2.16 6.43 2.21 4.19 14.73
	Node-MH-651 to MH-652 Base Wall Slab Node-MH-652 to MH-653 Base Wall Slab Node-MH-652 to O-76 Base Wall Slab Node-MH-653 to O-76 Base Wall Slab Node-MH-653 to O-76 Base Wall Slab Road No.4-G.H.S. Cross Road Node-MH-654 to MH-655 Base Wall Slab Node-MH-655 to MH-655 Base	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	1.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 1.00 2.00 1.00 1.00 2.00 1.00	51.3 Width 23.8 23.8 23.8 23.8 23.8 23.8 23.8 23.8	1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.35 0.25 1.35 0.2	1.39 0.15 0.13 1.22 0.15 0.13 1.22 0.15 0.13 1.22 0.15 0.13 1.22 0.15 0.13 1.22 0.15	8.85 4.02 11.57 4.11 4.24 12.25 4.33 6.55 18.93 6.69 2.16 6.43 2.21 4.19
	Node-MH-651 to MH-652 Base Wall Slab Node-MH-652 to MH-653 Base Wall Slab Node-MH-652 to OH-653 Base Wall Slab Node-MH-653 to O-76 Base Wall Slab Road No.4-G.H.S. Cross Road Node-MH-654 to MH-655 Base Wall Slab Node-MH-655 to MH-655 Base Wall Slab Node-MH-655 to MH-656 Base Wall Slab	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	1.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00	51.3 Width 23.8 23.8 23.8 23.8 23.8 23.8 23.8 23.8 23.8 23.8 23.8 25.1	1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.2 1.15 0.75 1.35 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.35 0.2 1.15 0.2 1.35 0.2 1.15 0.2 1.35 0.2 1.35 0.2 1.15 0.2 1.35 0.2 1.15 0.2 1.35 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.35 0.2 1.15 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 1.35 0.2 0.75 1.35 0.2 0.75 0.2 0.75 0.2 0.75 0.2 0.75 0.2 0.75 0.2 0.75 0.2 0.75 0.2 0.75 0.2 0.2 0.75 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2	1.39 0.15 0.13 1.22 0.15 0.13 1.22 0.15 0.13 1.22 0.15 0.13 1.22 0.15 0.13 1.22 0.15 0.13 1.26 0.15	8.85 4.02 11.57 4.11 4.24 12.25 4.33 6.55 18.93 6.69 2.16 6.43 2.21 4.19 14.73
	Node-MH-651 to MH-652 Base Wall Slab Node-MH-652 to MH-653 Base Wall Slab Node-MH-652 to OH-653 Base Wall Slab Node-MH-653 to O-76 Base Wall Slab Road No.4-G.H.S. Cross Road Node-MH-654 to MH-655 Base Wall Slab Node-MH-655 to MH-655 Base Wall Slab Node-MH-655 to MH-656 Base Wall Slab	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	1.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00	51.3 Width 23.8 23.8 23.8 23.8 23.8 23.8 23.8 23.8 23.8 23.8 23.8 25.1	1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.75 1.35 0.2 1.15 0.2 1.25 0.2 1.25 0.2 1.25 0.2 1.25 0.2 1.25 0.2 1.25 0.2 1.25 0.2 1.25 0.2 1.25 0.2 1.25 0.2 0.2 1.25 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2	1.39 0.15 0.13 1.22 0.15 0.13 1.22 0.15 0.13 1.22 0.15 0.13 1.22 0.15 0.13 1.22 0.15 0.13 1.26 0.15	8.85 4.02 11.57 4.11 4.24 12.25 4.33 6.55 18.93 6.69 2.16 6.43 2.21 4.19 14.73
	Node-MH-651 to MH-652 Base Wall Slab Node-MH-652 to MH-653 Base Wall Slab Node-MH-652 to OH-653 Base Wall Slab Node-MH-653 to O-76 Base Wall Slab Road No.4-G.H.S. Cross Road Node-MH-654 to MH-655 Base Wall Slab Node-MH-655 to MH-655 Base Wall Slab Node-MH-655 to MH-656 Base Wall Slab Node-MH-655 to MH-656 Base Wall Slab Node-MH-655 to MH-656 Base Wall Slab Node-MH-656 to MH-657	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	1.00 2.00 1.00 2.00 1.00 2.00 1.00 1.00	51.3 Width 23.8 23.8 23.8 23.8 23.8 23.8 23.8 23.8 23.8 23.8 25.1	1.15 0.75 1.35 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.35 0.2 1.15 0.2 1.35 0.2 1.15 0.2 1.35 0.2 1.15 0.2 1.35 0.2 1.15 0.2 1.15 0.2 1.35 0.2 1.15 0.2 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.15 0.2 1.5 0.5 0.5 0.5 0.5 0.5	1.39 0.15 0.13 1.22 0.15 0.13 1.26 0.15 0.13 1.26 0.15 0.13 1.26 0.15 0.13 1.49 0.15 0.13	8.85 4.02 11.57 4.11 4.24 12.25 4.33 6.55 18.93 6.69 2.16 6.43 2.21 4.19 14.73 4.28

о.	Description	Unit	No's	L	В	Н	Qty.
	Node-MH-657 to MH-658			Width	0.75		
	Base	Cum	1.00	17.6	1.35	0.13	2.97
	Wall	Cum	2.00	17.6	0.2	1.22	8.55
	Slab	Cum	1.00	17.6	1.15	0.15	3.04
_	Node-MH-658to MH-659			Width	0.75		
	Base	Cum	1.00	45.5	1.35	0.13	7.68
	Wall	Cum	2.00	45.5	0.2	1.43	26.03
	Slab	Cum	1.00	45.5	1.15	0.15	7.85
				14/: -14/-	0.75		
	Node-MH-659 to MH-660 Base	Cum	1.00	Width 30.1	0.75 1.35	0.13	5.08
	Wall	Cum	2.00	30.1	0.2	1.29	15.47
	Slab	Cum	1.00	30.1	1.15	0.15	5.19
	Node-MH-660 to O-77	0	1.00	Width	0.75	0.42	4.07
	Base Wall	Cum Cum	1.00 2.00	24.1 24.1	1.35 0.2	0.13	4.07
	Slab	Cum	1.00	24.1	1.15	0.15	4.16
		Total Leng	th=	179.6			
	Dead No 5 Vitheha Tampla Dead						
	Road No.5-Vithoba Temple Road			Sides	1.00		
	Node-MH-796 to MH-662			Width	0.9		
	Base	Cum	1.00	14.7	5.1	0.13	9.37
	Wall	Cum	2.00	14.7	2	1.30	76.15
	Slab	Cum	1.00	14.7	4.9	0.15	10.80
	Node-MH-662 to MH-663			Width	0.9		
	Base	Cum	1.00	126.1	1.5	0.13	23.64
	Wall	Cum	2.00	126.1	0.2	1.49	74.90
	Slab	Cum	1.00	126.1	1.3	0.15	24.59
	Node-MH-663 to MH-664 Base	Cum	1.00	Width 36.7	0.9 0.2	0.13	0.92
	Wall	Cum	2.00	36.7	0.2	1.55	22.75
	Slab	Cum	1.00	36.7	0	0.15	0.00
	Node-MH-664 to MH-665	-		Width	0.9		
	Base	Cum	1.00	26.7	1.5	0.13	5.01
	Wall Slab	Cum Cum	2.00	26.7 26.7	0.2 1.3	1.53 0.15	16.29 5.21
		Cull	1.00	20.7	1.0	0.10	0.21
	Node-MH-665 to MH-666			Width	0.9		
	Base	Cum	1.00	16.2	1.5	0.13	3.04
	Wall	Cum	2.00	16.2	0.2	1.53	9.91
	Slab	Cum	1.00	16.2	1.3	0.15	3.16
	Node-MH-666 to MH-667			Width	0.9		
	Base	Cum	1.00	87.9	1.5	0.13	16.48
	Wall	Cum	2.00	87.9	0.2	1.53	53.79
	Slab	Cum	1.00	87.9	1.3	0.15	17.14
	Node-MH-667 to MH-668			Width	0.9		
	Base	Cum	1.00	18.3	1.5	0.13	3.43
	Wall	Cum	2.00	18.3	0.2	1.67	12.19
	Slab	Cum	1.00	18.3	1.3	0.15	3.57
				-لغام://١	4.0		
	Node-MH-668 to MH-669 Base	Cum	1.00	Width 64.5	1.2 2	0.13	16.13
	Wall	Cum	2.00	64.5	0.3	2.39	92.30
			1.00	64.5	1.8	0.15	17.42
	Slab	Cum	1.00				
		Cum	1.00	1411 122			
	Node-MH-669 to MH-670			Width	1.2	0.40	0.00
	Node-MH-669 to MH-670 Base	Cum	1.00	37.1	2	0.13	9.28
	Node-MH-669 to MH-670					0.13 2.93 0.15	9.28 65.11 10.02
	Node-MH-669 to MH-670 Base Wall Slab	Cum Cum	1.00 2.00	37.1 37.1 37.1	2 0.3 1.8	2.93	65.11
	Node-MH-669 to MH-670 Base Wall Slab Node-MH-670 to MH-671	Cum Cum Cum	1.00 2.00 1.00	37.1 37.1 37.1 Width	2 0.3 1.8 1.2	2.93 0.15	65.11 10.02
	Node-MH-669 to MH-670 Base Wall Slab Node-MH-670 to MH-671 Base	Cum Cum Cum Cum Cum	1.00 2.00 1.00	37.1 37.1 37.1 Width 21.1	2 0.3 1.8 1.2 2	2.93 0.15 0.13	65.11 10.02 5.28
	Node-MH-669 to MH-670 Base Wall Slab Node-MH-670 to MH-671 Base Wall	Cum Cum Cum Cum Cum Cum	1.00 2.00 1.00 1.00 2.00	37.1 37.1 37.1 Width 21.1 21.1	2 0.3 1.8 1.2 2 0.3	2.93 0.15 0.13 2.78	65.11 10.02 5.28 35.19
	Node-MH-669 to MH-670 Base Wall Slab Node-MH-670 to MH-671 Base	Cum Cum Cum Cum	1.00 2.00 1.00	37.1 37.1 37.1 Width 21.1	2 0.3 1.8 1.2 2	2.93 0.15 0.13	65.11 10.02 5.28
	Node-MH-669 to MH-670 Base Wall Slab Node-MH-670 to MH-671 Base Wall Slab Node-MH-671 to O-78	Cum Cum Cum Cum Cum Cum	1.00 2.00 1.00 1.00 2.00 1.00	37.1 37.1 37.1 Width 21.1 21.1 21.1 21.1 Width	2 0.3 1.8 1.2 2 0.3 1.8 1.2	2.93 0.15 0.13 2.78 0.15	65.11 10.02 5.28 35.19 5.70
	Node-MH-669 to MH-670 Base Wall Slab Node-MH-670 to MH-671 Base Wall Slab	Cum Cum Cum Cum Cum Cum Cum Cum	1.00 2.00 1.00 2.00 1.00 2.00 1.00	37.1 37.1 37.1 Width 21.1 21.1 21.1 Width 27.4	2 0.3 1.8 1.2 2 0.3 1.8 1.2 1.2 2	2.93 0.15 0.13 2.78 0.15 0.15 0.13	65.11 10.02 5.28 35.19 5.70 6.85
	Node-MH-669 to MH-670 Base Wall Slab Node-MH-670 to MH-671 Base Wall Slab	Cum Cum Cum Cum Cum Cum Cum Cum Cum	1.00 2.00 1.00 1.00 2.00 1.00 1.00 1.00	37.1 37.1 37.1 Width 21.1 21.1 21.1 21.1 21.1 21.1 21.1 21.	2 0.3 1.8 1.2 2 0.3 1.8 1.2 1.2 2 0.3	2.93 0.15 0.13 2.78 0.15 0.15 0.13 2.55	65.11 10.02 5.28 35.19 5.70 6.85 41.84
	Node-MH-669 to MH-670 Base Wall Slab Node-MH-670 to MH-671 Base Wall Slab	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00	37.1 37.1 37.1 Width 21.1 21.1 21.1 21.1 21.1 21.1 21.1 27.4 27.4 27.4	2 0.3 1.8 1.2 2 0.3 1.8 1.2 1.2 2	2.93 0.15 0.13 2.78 0.15 0.15 0.13	65.11 10.02 5.28 35.19 5.70 6.85
	Node-MH-669 to MH-670 Base Wall Slab Node-MH-670 to MH-671 Base Wall Slab	Cum Cum Cum Cum Cum Cum Cum Cum Cum	1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00	37.1 37.1 37.1 Width 21.1 21.1 21.1 21.1 21.1 21.1 21.1 21.	2 0.3 1.8 1.2 2 0.3 1.8 1.2 1.2 2 0.3	2.93 0.15 0.13 2.78 0.15 0.15 0.13 2.55	65.11 10.02 5.28 35.19 5.70 6.85 41.84
	Node-MH-669 to MH-670 Base Wall Slab Node-MH-670 to MH-671 Base Wall Slab	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00	37.1 37.1 37.1 Width 21.1 21.1 21.1 21.1 21.1 21.1 21.1 27.4 27.4 27.4	2 0.3 1.8 1.2 2 0.3 1.8 1.2 1.2 2 0.3	2.93 0.15 0.13 2.78 0.15 0.15 0.13 2.55	65.11 10.02 5.28 35.19 5.70 6.85 41.84
	Node-MH-669 to MH-670 Base Wall Slab Node-MH-670 to MH-671 Base Wall Slab	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	1.00 2.00 1.00 2.00 1.00 1.00 2.00 1.00 2.00 1.00 th=	37.1 37.1 37.1 Width 21.1 21.1 21.1 Width 27.4 27.4 27.4 476.7	2 0.3 1.8 1.2 2 0.3 1.8 1.2 2 0.3 1.8 1.2 0.3 1.8	2.93 0.15 0.13 2.78 0.15 0.15 0.13 2.55	65.11 10.02 5.28 35.19 5.70 6.85 41.84
	Node-MH-669 to MH-670 Base Wall Slab Node-MH-670 to MH-671 Base Wall Slab Node-MH-671 to O-78 Base Wall Slab Node-MH-671 to O-78 Base Wall Slab	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	1.00 2.00 1.00 2.00 1.00 1.00 2.00 1.00 2.00 1.00 th=	37.1 37.1 37.1 21.1 21.1 21.1 21.1 21.1 27.4 27.4 27.4 476.7 Sides	2 0.3 1.8 1.2 2 0.3 1.8 1.2 2 0.3 1.8 1.2 2 0.3 1.8 1.00	2.93 0.15 0.13 2.78 0.15 0.15 0.13 2.55	65.11 10.02 5.28 35.19 5.70 6.85 41.84
	Node-MH-669 to MH-670 Base Wall Slab Node-MH-670 to MH-671 Base Wall Slab Node-MH-671 to O-78 Base Wall Slab Node-MH-671 to O-78 Base Wall Slab Node-MH-670 to O-81	Cum Cum Cum Cum Cum Cum Cum Cum Cum Total Leng	1.00 2.00 1.00 2.00 1.00 1.00 2.00 1.00 th=	37.1 37.1 37.1 Width 21.1 21.1 21.1 21.1 21.1 21.4 27.4 27.4 27.4 27.4 27.4 27.4 27.4 27	2 0.3 1.8 2 0.3 1.8 1.2 2 0.3 1.8 1.2 2 0.3 1.8 1.8 1.00 0.6	2.93 0.15 0.13 2.78 0.15 0.13 2.55 0.13 2.55 0.15	65.11 10.02 5.28 35.19 5.70 6.85 41.84 7.40
	Node-MH-669 to MH-670 Base Wall Slab Node-MH-670 to MH-671 Base Wall Slab Node-MH-671 to O-78 Base Wall Slab Node-MH-671 to O-78 Base Wall Slab	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	1.00 2.00 1.00 2.00 1.00 1.00 2.00 1.00 2.00 1.00 th=	37.1 37.1 37.1 21.1 21.1 21.1 21.1 21.1 27.4 27.4 27.4 476.7 Sides	2 0.3 1.8 1.2 2 0.3 1.8 1.2 2 0.3 1.8 1.2 2 0.3 1.8 1.00	2.93 0.15 0.13 2.78 0.15 0.15 0.13 2.55	65.11 10.02 5.28 35.19 5.70 6.85 41.84

lo.	Description Node-MH-678 to O-80	Unit	No's	L Width	B 0.6	Н	Qty.
	Base	Cum	1.00	96.2	1.2	0.13	14.43
	Wall	Cum Cum	2.00 1.00	96.2 96.2	0.2	1.32 0.15	50.60 14.43
	Slab	Total Leng		199.3		0.15	14.43
	Road No.8-Maidan 3rd Cross Road			Sidea	1.00		
	Node-MH-682 to MH-683			Sides Width	1.00 0.9		
	Base	Cum	1.00	29.9	1.5	0.13	5.61
	Wall Slab	Cum Cum	2.00 1.00	29.9 29.9	0.2 1.3	1.52 0.15	18.12 5.83
_	Node-MH-683 to MH-684			Width	0.9		
	Base	Cum	1.00	44.8	1.5	0.13	8.40
	Wall	Cum	2.00	44.8	0.2	1.51	27.06
_	Slab	Cum	1.00	44.8	1.3	0.15	8.74
	Node-MH-684 to MH-685	Curr	1.00	Width 65.7	1.2 1.8	0.12	44.70
	Base Wall	Cum Cum	1.00 2.00	65.7	0.2	0.13	14.78 47.57
	Slab	Cum	1.00	65.7	1.6	0.15	15.77
	Node-MH-685 to MH-686			Width	1.2		
	Base	Cum	1.00	32.6	1.8	0.13	7.34
	Wall Slab	Cum Cum	2.00 1.00	32.6 32.6	0.2 1.6	2.01 0.15	26.15 7.82
	Node-MH-686 to MH-691 Base	Cum	1.00	Width 8.1	1.2 1.8	0.13	1.82
	Wall	Cum	2.00	8.1	0.2	1.92	6.20
	Slab	Cum	1.00	8.1	1.6	0.15	1.94
	Node-MH-687 to MH-688			Width	0.6	 	
	Base	Cum	1.00	31.2	1.2	0.13	4.68
	Wall	Cum	2.00	31.2	0.2	1.22	15.23
	Slab	Cum	1.00	31.2	1	0.15	4.68
	Node-MH-688 to MH-689			Width	0.6		
	Base	Cum	1.00	55.3	1.2	0.13	8.30
	Wall Slab	Cum Cum	2.00 1.00	55.3 55.3	0.2 1	1.32 0.15	29.20 8.30
				Width	0.6		
	Node-MH-689 to MH-690 Base	Cum	1.00	37.5	0.6 1.2	0.13	5.63
	Wall	Cum	2.00	37.5	0.2	1.56	23.33
_	Slab	Cum	1.00	37.5	1	0.15	5.63
	Node-MH-690 to MH-691	Cum	1.00	Width	0.6	0.12	7.65
	Base Wall	Cum Cum	1.00 2.00	51 51	1.2	0.13	7.65 33.46
	Slab	Cum	1.00	51	1	0.15	7.65
		Total Leng	th=	356.1			
	Road No.9-Bibi Alabi Road						
_	Node-MH-692 to MH-693			Sides Width	1.00		
	Base				0.6		
	Wall	Cum	1.00	47.9	0.6 1.2	0.13	7.19
		Cum	2.00	47.9 47.9	1.2 0.2	1.74	33.24
	Slab			47.9 47.9 47.9	1.2 0.2 1		
	Slab Node-MH-693 to MH-680	Cum	2.00	47.9 47.9	1.2 0.2	1.74	33.24
	Slab	Cum Cum	2.00 1.00 1.00 2.00	47.9 47.9 47.9 Width 6 6	1.2 0.2 1 0.6	1.74 0.15	33.24 7.19
	Slab Node-MH-693 to MH-680 Base	Cum Cum Cum	2.00 1.00 1.00	47.9 47.9 47.9 Width 6	1.2 0.2 1 0.6 1.2	1.74 0.15 0.13	33.24 7.19 0.90
	Slab Node-MH-693 to MH-680 Base Wall Slab Node-MH-694 to MH-695	Cum Cum Cum Cum Cum Cum	2.00 1.00 1.00 2.00 1.00	47.9 47.9 47.9 Width 6 6 6 6 Width	1.2 0.2 1 0.6 1.2 0.2 1 0.2	1.74 0.15 0.13 1.71 0.15	33.24 7.19 0.90 4.10 0.90
	Slab Node-MH-693 to MH-680 Base Wall Slab Node-MH-694 to MH-695 Base	Cum Cum Cum Cum Cum Cum Cum	2.00 1.00 2.00 1.00 1.00	47.9 47.9 47.9 Width 6 6 6 6 8 Width 12.6	1.2 0.2 1 0.6 1.2 0.2 1 0.6 1.2	1.74 0.15 0.13 1.71 0.15 0.15 0.13	33.24 7.19 0.90 4.10 0.90 1.89
	Slab Node-MH-693 to MH-680 Base Wall Slab Node-MH-694 to MH-695	Cum Cum Cum Cum Cum Cum	2.00 1.00 1.00 2.00 1.00	47.9 47.9 47.9 Width 6 6 6 6 Width	1.2 0.2 1 0.6 1.2 0.2 1 0.2	1.74 0.15 0.13 1.71 0.15	33.24 7.19 0.90 4.10 0.90
	Slab Node-MH-693 to MH-680 Base Wall Slab Node-MH-694 to MH-695 Base Wall Slab	Cum Cum Cum Cum Cum Cum Cum Cum Cum	2.00 1.00 2.00 1.00 1.00 1.00 2.00	47.9 47.9 47.9 Width 6 6 6 6 Width 12.6 12.6 12.6	1.2 0.2 1 0.6 1.2 0.2 1 0.2 1 0.6 1.2 0.2 1	1.74 0.15 0.13 1.71 0.15 0.15 0.13 1.37	33.24 7.19 0.90 4.10 0.90 1.89 6.88
	Slab Node-MH-693 to MH-680 Base Wall Slab Node-MH-694 to MH-695 Base Wall Slab Node-MH-695 to MH-696 Base	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 1	47.9 47.9 47.9 Width 6 6 6 6 6 8 Width 12.6 12.6 12.6 12.6 12.6 12.7 12.6 12.7 12.7	1.2 0.2 1 0.6 1.2 0.2 1 0.6 1.2 0.6 1.2 0.2 1 0.6 1.2	1.74 0.15 0.13 1.71 0.15 0.13 1.37 0.15 0.13	33.24 7.19 0.90 4.10 0.90 1.89 6.88 1.89 1.89
	Slab Node-MH-693 to MH-680 Base Wall Node-MH-694 to MH-695 Base Wall Slab Node-MH-695 to MH-696 Base Wall Node-MH-695 to MH-696 Base Wall	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	2.00 1.00 2.00 1.00 1.00 2.00 1.00 1.00	47.9 47.9 47.9 Width 6 6 6 6 6 8 Width 12.6 12.6 12.6 12.6 12.6 12.7 77.3 77.3	1.2 0.2 1 0.6 1.2 0.2 1 0.6 1.2 0.2 1 0.6 1.2 0.2 1 0.6 1.2 0.6 1.2 0.2	1.74 0.15 0.13 1.71 0.15 0.13 1.37 0.15 0.13 0.13 1.47	33.24 7.19 0.90 4.10 0.90 1.89 6.88 1.89 1.89 11.60 45.45
	Slab Node-MH-693 to MH-680 Base Wall Slab Node-MH-694 to MH-695 Base Wall Slab Node-MH-695 to MH-696 Base	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 1	47.9 47.9 47.9 Width 6 6 6 6 6 8 Width 12.6 12.6 12.6 12.6 12.6 12.7 77.3 77.3 77.3	1.2 0.2 1 0.6 1.2 0.2 1 0.6 1.2 0.6 1.2 0.2 1 0.6 1.2	1.74 0.15 0.13 1.71 0.15 0.13 1.37 0.15 0.13	33.24 7.19 0.90 4.10 0.90 1.89 6.88 1.89 1.89
	Slab Node-MH-693 to MH-680 Base Wall Slab Node-MH-694 to MH-695 Base Wall Slab Wall Slab Wall Slab Wall Slab Node-MH-695 to MH-696 Base Wall Slab Wall Slab Node-MH-695 to MH-696 Base Wall Slab Node-MH-695 to MH-696	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	2.00 1.00 2.00 1.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00	47.9 47.9 47.9 Width 6 6 6 6 6 7 8 12.6 12.6 12.6 12.6 12.6 12.6 12.6 12.7 77.3 77.3 77.3 77.3 77.3	1.2 0.2 1 0.6 1.2 0.2 1 0.6 1.2 0.6 1.2 0.2 1 0.6 1.2 0.2 1 0.6	1.74 0.15 0.13 1.71 0.15 0.13 1.37 0.15 0.13 1.37 0.15 0.13 1.47 0.15	33.24 7.19 0.90 4.10 0.90 1.89 6.88 1.89 11.60 45.45 11.60
	Slab Node-MH-693 to MH-680 Base Wall Slab Node-MH-694 to MH-695 Base Wall Slab Node-MH-695 to MH-696 Base Wall Slab Node-MH-695 to MH-696 Base Wall Slab Node-MH-695 to MH-696 Base Wall Slab Base	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00	47.9 47.9 47.9 Width 6 6 6 6 0 12.6 12.6 12.6 12.6 12.6 12.6 12.6 12.7 77.3 77.3 77.3 77.3 77.3 77.3 77.3	1.2 0.2 1 0.6 1.2 0.2 1 0.6 1.2 0.2 1 0.6 1.2 0.2 1 0.6 1.2 0.2 1 0.6 1.2 0.2	1.74 0.15 0.13 1.71 0.15 0.13 1.37 0.15 0.13 1.47 0.15 0.13	33.24 7.19 0.90 4.10 0.90 1.89 6.88 1.89 11.60 45.45 11.60 45.45 11.60
	Slab Node-MH-693 to MH-680 Base Wall Slab Node-MH-694 to MH-695 Base Wall Slab Wall Slab Wall Slab Wall Slab Node-MH-695 to MH-696 Base Wall Slab Wall Slab Node-MH-695 to MH-696 Base Wall Slab Node-MH-695 to MH-696	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	2.00 1.00 2.00 1.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00	47.9 47.9 47.9 Width 6 6 6 6 6 7 8 12.6 12.6 12.6 12.6 12.6 12.6 12.6 12.7 77.3 77.3 77.3 77.3 77.3	1.2 0.2 1 0.6 1.2 0.2 1 0.6 1.2 0.6 1.2 0.2 1 0.6 1.2 0.2 1 0.6	1.74 0.15 0.13 1.71 0.15 0.13 1.37 0.15 0.13 1.37 0.15 0.13 1.47 0.15	33.24 7.19 0.90 4.10 0.90 1.89 6.88 1.89 11.60 45.45 11.60
	Slab Node-MH-693 to MH-680 Base Wall Slab Node-MH-694 to MH-695 Base Wall Slab Node-MH-695 to MH-696 Base Wall Slab Node-MH-695 to MH-696 Base Wall Slab Node-MH-696 to MH-697 Base Wall Slab	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00	47.9 47.9 47.9 Width 6 6 6 6 12.6 12.6 12.6 12.6 12.6 12.6 77.3 77.3 77.3 77.3 77.3 77.3 77.3 27.3 2	1.2 0.2 1 0.6 1.2 0.2 1 0.6 1.2 0.6 1.2 0.6 1.2 0.6 1.2 0.6 1.2 0.6 1.2 0.6 1.2 0.2 1 0.6 1.2 0.2 1 0.6 1.2 0.2 1 0.6 1.2 0.2 1 0.6 1.2 0.1 0.2 1	1.74 0.15 0.13 1.71 0.15 0.13 1.37 0.15 0.13 1.47 0.15 0.13 1.47 0.15	33.24 7.19 0.90 4.10 0.90 1.89 6.88 1.89 11.60 45.45 11.60 45.45 11.60
	Slab Node-MH-693 to MH-680 Base Wall Slab Node-MH-694 to MH-695 Base Wall Slab Node-MH-695 to MH-696 Base Wall Slab Node-MH-695 to MH-696 Base Wall Slab Node-MH-696 to MH-697 Base Wall Slab Node-MH-696 to MH-697 Base Wall Slab Node-MH-696 to MH-697 Base Base Base	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 1.00 2.00 1.00 1.00 2.00 1.00 1.00 2.00 1.00 1.00 2.00 1.00 1.00 2.00 1.00	47.9 47.9 47.9 Width 6 6 6 6 6 12.6 12.6 12.6 12.6 12.6 12.6	1.2 0.2 1 0.6 1.2 0.2 1 0.6 1.2 0.2 1 0.6 1.2 0.2 1 0.6 1.2 0.2 1 0.6 1.2 0.2 0.2	1.74 0.15 0.13 1.71 0.15 0.13 1.37 0.15 0.13 1.47 0.15 0.13 1.47 0.15	33.24 7.19 0.90 4.10 0.90 1.89 6.88 1.89 11.60 45.45 11.60 45.45 11.60 4.82 17.21 4.82 17.21 4.82
	Slab Node-MH-693 to MH-680 Base Wall Slab Node-MH-694 to MH-695 Base Wall Slab Node-MH-695 to MH-696 Base Wall Slab Node-MH-695 to MH-696 Base Wall Slab Node-MH-696 to MH-697 Base Wall Slab Node-MH-696 to MH-697 Base Wall Slab Nale Slab Node-MH-696 to MH-697 Base Wall Slab Nale Slab Node-MH-697 to MH-698 Base Wall Slab	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00	47.9 47.9 47.9 Width 6 6 6 6 12.6 12.6 12.6 12.6 12.6 12.6 1	1.2 0.2 1 0.6 1.2 0.2 1 0.6 1.2 0.6 1.2 0.6 1.2 0.6 1.2 0.6 1.2 0.6 1.2 0.6 1.2 0.6 1.2 0.6 1.2 0.6 1.2 0.6 1.2 0.2	1.74 0.15 0.13 1.71 0.15 0.13 1.37 0.15 0.13 1.47 0.15 0.13 1.47 0.15 0.13 1.34 0.15 0.13 1.34 0.15	33.24 7.19 0.90 4.10 0.90 1.89 6.88 1.89 11.60 45.45 11.60 45.45 11.60 4.82 17.21 4.82 17.21 4.82
	Slab Node-MH-693 to MH-680 Base Wall Slab Node-MH-694 to MH-695 Base Wall Slab Node-MH-695 to MH-696 Base Wall Slab Node-MH-695 to MH-696 Base Wall Slab Node-MH-696 to MH-697 Base Wall Slab Node-MH-696 to MH-697 Base Wall Slab Node-MH-696 to MH-697 Base Base Base	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 1.00 2.00 1.00 1.00 2.00 1.00 1.00 2.00 1.00 1.00 2.00 1.00 1.00 2.00 1.00	47.9 47.9 47.9 Width 6 6 6 6 6 12.6 12.6 12.6 12.6 12.6 12.6	1.2 0.2 1 0.6 1.2 0.2 1 0.6 1.2 0.6 1.2 0.6 1.2 0.6 1.2 0.6 1.2 0.6 1.2 0.6 1.2 0.6 1.2 0.6 1.2 0.6 1.2 0.6 1.2	1.74 0.15 0.13 1.71 0.15 0.13 1.37 0.15 0.13 1.47 0.15 0.13 1.34 0.15 0.13	33.24 7.19 0.90 4.10 0.90 1.89 6.88 1.89 11.60 45.45 11.60 45.45 11.60 4.82 17.21 4.82 17.21 4.82
	Slab Node-MH-693 to MH-680 Base Wall Slab Node-MH-694 to MH-695 Base Wall Slab Node-MH-695 to MH-696 Base Wall Slab Node-MH-695 to MH-696 Base Wall Slab Node-MH-696 to MH-697 Base Wall Slab Node-MH-696 to MH-697 Base Wall Slab Nale Slab Node-MH-696 to MH-697 Base Wall Slab Nale Slab Node-MH-697 to MH-698 Base Wall Slab	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00	47.9 47.9 47.9 Width 6 6 6 6 12.6 12.6 12.6 12.6 12.6 12.6 1	1.2 0.2 1 0.6 1.2 0.2 1 0.6 1.2 0.6 1.2 0.6 1.2 0.6 1.2 0.6 1.2 0.6 1.2 0.6 1.2 0.6 1.2 0.6 1.2 0.6 1.2 0.6 1.2 0.2	1.74 0.15 0.13 1.71 0.15 0.13 1.37 0.15 0.13 1.47 0.15 0.13 1.47 0.15 0.13 1.34 0.15 0.13 1.34 0.15	33.24 7.19 0.90 4.10 0.90 1.89 6.88 1.89 11.60 45.45 11.60 45.45 11.60 4.82 17.21 4.82 17.21 4.82

Base Wall Slab Nod Base Wall Slab Nod Base Wall Slab Nod Base Wall Slab Nod Base Wall Slab Nod Base Wall Slab	de-MH-699 to MH-700 Se II D de-MH-700 to MH-701 Se II D de-MH-700 to MH-701 Se II D de-MH-701 to O-83 Se II D de-MH-703 to MH-704 Se II D de-MH-703 to MH-704 Se II D de-MH-704 to MH-705 Se II D de-MH-705 to MH-706 Se II D de-MH-705 to MH-706 Se II D de-MH-706 to MH-707 Se II D	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	1.00 1.00 2.00	36.4 Width 60.3 60.3 0.3 Width 53.4 53.4 53.4 53.4 23.4 27.4 27.4 27.4 27.4 27.4 27.4 223.	0.6 1.2 0.2 1 0.6 1.2 0.2 1 0.6 1.2 0.2 1 0.6 1.2 0.2 1 0.6 1.2 0.2 1.3 0.9 1.5 0.2 1.3 0.9 1.5 0.2 1.3	0.15 0.13 1.53 0.15 0.13 1.48 0.15 0.13 1.42 0.15 0.13 1.42 0.15 0.13 1.47 0.15 0.13 1.47 0.15 0.13 1.41 0.15	5.46 9.05 36.78 9.05 8.01 31.51 8.01 4.11 15.51 4.11 4.11 41.89 130.91 43.56 3.58 10.77 3.72 9.06 26.95
Base Wall Slab Nod Base Wall Slab Base Wall Slab Nod Base Wall Slab Nod Base Wall Slab Nod Base Wall Slab Nod Base Wall Slab Nod Base Wall Slab Nod Base Wall	Be II II II be III be IIII be IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00	60.3 60.3 60.3 Width 53.4 53.4 53.4 27.4 27.4 27.4 27.4 223.4 223.4 223.4 223.4 223.4 223.4 19.1 19.1 19.1 19.1 19.1 19.1 19.1 3.4 3.4 8.3 48.3	1.2 0.2 1 0.6 1.2 0.2 1 1 0.6 1.2 0.2 1 1 0.9 1.5 0.2 1.3 0.9 1.5 0.2 1.3 0.9 1.5 0.2 1.3	1.53 0.15 0.13 1.48 0.15 0.13 1.42 0.15 0.13 1.42 0.15 0.13 1.47 0.15 0.13 1.41 0.15 0.13 1.41 0.15	36.78 9.05 8.01 31.51 8.01 4.11 15.51 4.11 4.11 4.11 41.89 130.91 43.56 3.58 10.77 3.72 9.06
Wall Slab Nod Base Slab Nod Nod Base Slab Nod No	II	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00	60.3 60.3 Width 53.4 53.4 53.4 53.4 27.4 27.4 27.4 27.4 27.4 223.4 223.4 223.4 223.4 223.4 19.1 19.1 19.1 19.1 19.1 48.3 48.3	0.2 1 0.6 1.2 0.2 1 0.6 1.2 0.2 1 0.9 1.5 0.2 1.3 0.9 1.5 0.2 1.3 0.9 1.5 0.2 1.5 0.2 1.3 0.2 1.2 0.2 1.2 0.2 1.2 0.2 1.2 0.2 1.2 0.2 1.2 0.2 1.2 0.2 0.2 1.2 0.2 0.2 1.2 0.2 0.2 1.2 0.2 0.2 0.2 1.2 0.2 0.2 0.2 1.2 0.2 0.2 1.2 0.2 0.2 1.2 0.2 0.2 1.2 0.2 0.2 1.2 0.2 0.2 1.5 0.2 0.2 1.5 0.2 0.2 1.5 0.2 0.2 1.5 0.2 0.2 1.5 0.2 0.2 1.5 0.2 0.2 1.5 0.2 1.3 0.9 1.5 0.2 1.5 0.2 1.5 0.2 1.5 0.2 1.5 0.2 1.5 0.2 1.5 0.2 1.5 0.2 1.5 0.2 1.5 0.2 1.5 0.2 1.5 0.2 1.5 0.2 1.5 0.2 1.5 0.2 1.5 0.2 1.5 0.2 1.5 0.2	1.53 0.15 0.13 1.48 0.15 0.13 1.42 0.15 0.13 1.42 0.15 0.13 1.47 0.15 0.13 1.41 0.15 0.13 1.41 0.15	36.78 9.05 8.01 31.51 8.01 4.11 15.51 4.11 4.11 4.11 41.89 130.91 43.56 3.58 10.77 3.72 9.06
Slab Nod Base Wall Slab Slab Slab Slab Slab Slab Slab S	b	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	1.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00	60.3 Width 53.4 53.4 53.4 53.4 23.4 27.4 27.4 27.4 27.4 27.4 223.4 223.4 223.4 223.4 223.4 223.4 19.1	1 0.6 1.2 0.2 1 0.6 1.2 0.2 1 0.2 1 0.9 1.5 0.2 1.3 0.9 1.5 0.2 1.3 0.9 1.5 0.2 1.5 0.2 1.3 0.9 1.5 0.2 1.3 0.9 1.5 0.2 0.2 1.3 0.2 0.2 1.5 0.2 0.2 0.2 1.5 0.2 0.2 0.2 1.5 0.2 0.2 0.2 1.5 0.2 0.2 1.5 0.2 0.2 1.5 0.2 0.2 1.5 0.2 0.2 1.5 0.2 0.2 1.5 0.2	0.15 0.13 1.48 0.15 0.13 1.42 0.15 0.13 1.47 0.15 0.13 1.47 0.15 0.13 1.41 0.15 0.13 1.41 0.15	9.05 8.01 31.51 8.01 4.11 15.51 4.11 4.11 41.89 130.91 43.56 3.58 10.77 3.72 9.06
Nod Bass Wall Slab Slab Nod Bass Wall Slab Mod Bass Wall Slab Mod Bass Wall Slab Mod Bass Wall Slab Mod Bass Wall Slab Mod Bass Wall Slab Mod Bass Wall Slab Mod Bass Wall Slab Mod Bass Wall Slab Mod Bass Wall Slab Mod Bass Wall Slab Mod Bass Wall Slab Mod Bass Wall Slab Mod Bass Wall Slab Mod Bass Wall Slab Mod Mod Bass Wall Slab Mod Mod Bass Wall Mod Bass Wall Slab Mod Mod Bass Wall Slab Mod Mass Wall Slab Mod Mass Wall Slab Mod Mass Wall Slab Mod Mass Wall Slab Mod Mass Wall Mas Nod Wall Slab Mas Mas Mas Mas Mas Mas Mas Mas Mas Mas	de-MH-700 to MH-701 se II b de-MH-701 to O-83 se II b de-MH-701 to O-83 se II b de-MH-703 to MH-704 se II b de-MH-704 to MH-705 se II b de-MH-705 to MH-706 se II b de-MH-705 to MH-706 se II b	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00	53.4 53.4 53.4 Width 27.4 27.4 27.4 223.4 223.4 223.4 223.4 223.4 19.1 19.1 19.1 19.1 19.1 19.1 48.3 48.3	1.2 0.2 1 0.6 1.2 0.2 1 1 0.9 1.5 0.2 1.3 0.9 1.5 0.2 1.3 0.9 1.5 0.2 1.3	0.13 1.48 0.15 0.13 1.42 0.15 0.13 1.47 0.15 0.13 1.41 0.15 0.13 1.41 0.15 0.13 1.41 0.15	8.01 31.51 8.01 4.11 15.51 4.11 4.11 41.89 130.91 43.56 3.58 10.77 3.72 9.06
Base Wall Slab Nod Base Wall Slab Nod Base Wall Slab Nod Base Wall Slab Nod Base Wall Slab Nod Base Wall Slab Nod Base Wall Slab Nod Base Wall Slab Nod Base Wall Slab Nod Base Wall Slab Nod Base Wall Slab Nod Base Wall Slab Nod Base Wall Slab Nod Base Wall Slab Slab Nod Base Wall Slab Slab Nod Base Wall Slab Slab Nod Base Wall Slab Nod Base Wall Slab Nod Base Wall Slab Nod Base Wall Slab Nod Base Wall Slab Nod Base Wall Slab Slab Nod Base Wall Slab Slab Slab Nod Base Wall Slab Slab Slab Slab Nod Base Wall Slab Slab Nod Base Wall Slab Slab Slab Slab Slab Slab Slab S	Be II b III ce III b IIII ce IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00	53.4 53.4 53.4 Width 27.4 27.4 27.4 223.4 223.4 223.4 223.4 223.4 19.1 19.1 19.1 19.1 19.1 19.1 48.3 48.3	1.2 0.2 1 0.6 1.2 0.2 1 1 0.9 1.5 0.2 1.3 0.9 1.5 0.2 1.3 0.9 1.5 0.2 1.3	1.48 0.15 0.13 1.42 0.15 0.13 1.47 0.15 0.13 1.41 0.15 0.13 1.41 0.15	31.51 8.01 4.11 15.51 4.11 4.11 41.89 130.91 43.56 3.58 10.77 3.72 9.06
Wall Slab Nod Base Wall Slab Slab Slab Slab Slab Slab Slab S	II D De-MH-701 to O-83 D Se II D D	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00	53.4 53.4 Width 27.4 27.4 27.4 223.4 223.4 223.4 223.4 223.4 19.1 19.1 19.1 19.1 19.1 19.1 48.3 48.3	0.2 1 0.6 1.2 0.2 1 0.9 1.5 0.2 1.3 0.9 1.5 0.2 1.3 0.9 1.5 0.2 1.3 0.2 1.3 0.9 1.5 0.2 0.2 1.3 0.2 0.2 0.2 0.2 0.3 0.2 0.2 0.2 0.3 0.2 0.2 0.2 0.2 0.3 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2	1.48 0.15 0.13 1.42 0.15 0.13 1.47 0.15 0.13 1.41 0.15 0.13 1.41 0.15	31.51 8.01 4.11 15.51 4.11 4.11 41.89 130.91 43.56 3.58 10.77 3.72 9.06
Slab Nod Bass Wall Slab	b	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	1.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00	53.4 Width 27.4 27.4 27.4 Width 223.4 223.4 223.4 223.4 223.4 19.1 19.1 19.1 19.1 19.1 19.1 48.3 48.3	1 0.6 1.2 0.2 1 0.9 1.5 0.2 1.3 0.9 1.5 0.2 1.3 0.9 1.5 0.2 1.5 0.2	0.15 0.13 1.42 0.15 0.13 1.47 0.15 0.13 1.41 0.15 0.13 1.41 0.15 0.13 1.41 0.15	8.01 4.11 15.51 4.11 4.11 41.89 130.91 43.56 3.58 10.77 3.72 9.06
Nod Bass Wall Slab Nod Bass Wall Slab Nod Bass Wall Slab Nod Bass Wall Slab Nod Bass Wall Slab Nod Bass Wall Slab	de-MH-701 to O-83 ie II b de-MH-703 to MH-704 ie II b de-MH-704 to MH-705 ie II b de-MH-705 to MH-705 ie II b de-MH-705 to MH-706 ie II b de-MH-706 to MH-707 ie II b	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 1	Width 27.4 27.4 27.4 27.4 223.4 223.4 223.4 223.4 223.4 19.1 19.1 19.1 19.1 19.1 19.1 48.3 48.3	0.6 1.2 0.2 1 0.9 1.5 0.2 1.3 0.9 1.5 0.2 1.3 0.9 1.5 0.2 1.3 0.9 1.5 0.2 1.5 0.2 1.3 0.9 1.5 0.2 1.3 0.2 1.5 0.2 1.3 0.2 1.3 0.2 1.3 0.2 0.2 1.3 0.2 0.2 1.3 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2	0.13 1.42 0.15 0.13 1.47 0.15 0.13 1.41 0.15 0.13 1.40	4.11 15.51 4.11 41.89 130.91 43.56 3.58 10.77 3.72 9.06
Base Wall Slab Nod Base Wall Slab Nod Base Wall Slab Nod Base Wall Slab Nod Base Wall Slab	ee II I C C C C C C C C C C C C C C C C	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 1	27.4 27.4 27.4 Width 223.4 223.4 223.4 Width 19.1 19.1 19.1 19.1 Width 48.3 48.3	1.2 0.2 1 0.9 1.5 0.2 1.3 0.9 1.5 0.2 1.3 0.9 1.5 0.2 1.3	1.42 0.15 0.13 1.47 0.15 0.13 1.41 0.15 0.13 1.41 0.15	15.51 4.11 41.89 130.91 43.56 3.58 10.77 3.72 9.06
Wall Slab Nod Base Wall Slab Slab Nod Slab Slab Slab Slab Slab Slab Slab Slab	II	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 1	27.4 27.4 223.4 223.4 223.4 223.4 223.4 19.1 19.1 19.1 19.1 19.1 19.1 48.3 48.3	0.2 1 0.9 1.5 0.2 1.3 0.9 1.5 0.2 1.3 0.9 1.5 0.2 1.3 0.9 1.5 0.2 0.2 1.3 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	1.42 0.15 0.13 1.47 0.15 0.13 1.41 0.15 0.13 1.41 0.15	15.51 4.11 41.89 130.91 43.56 3.58 10.77 3.72 9.06
Slab Nod Bass Wall Slab Nod Bass Wall Slab Slab Nod Bass Wall Slab Nod Bass Wall Slab Slab Slab Nod Slab Slab Slab Slab Slab Slab Slab Slab	b de-MH-703 to MH-704 iee iii iii iii b iiii de-MH-704 to MH-705 iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	1.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 2.00	27.4 Width 223.4 223.4 223.4 Uidth 19.1 19.1 19.1 19.1 Width 48.3 48.3	1 0.9 1.5 0.2 1.3 0.9 1.5 0.2 1.3 0.9 1.5 0.9 1.5 0.9	0.15 0.13 1.47 0.15 0.13 1.41 0.15 0.13 0.13 1.40	4.11 41.89 130.91 43.56 3.58 10.77 3.72 9.06
Nod Base Wall Slab Nod Base Wall Slab Nod Base Wall Slab Slab Nod Base Wall Slab	de-MH-703 to MH-704 se II b de-MH-704 to MH-705 se II b de-MH-705 to MH-706 se II b de-MH-705 to MH-706 se II b de-MH-706 to MH-707 se II b	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	1.00 2.00 1.00 1.00 2.00 1.00 1.00 1.00	Width 223.4 223.4 223.4 Width 19.1 19.1 19.1 Width 48.3 48.3	0.9 1.5 0.2 1.3 0.9 1.5 0.2 1.3 0.2 1.3 0.9 1.5 0.2	0.13 1.47 0.15 0.13 1.41 0.15 0.13 1.40	41.89 130.91 43.56 3.58 10.77 3.72 9.06
Base Wall Slab Nod Base Wall Slab Slab Slab Slab Wall Slab Nod Base Wall Slab	Be II be cle-MH-704 to MH-705 Se II be cle-MH-705 to MH-706 Se II be cle-MH-706 to MH-707 Se II be	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	2.00 1.00 2.00 1.00 1.00 1.00 2.00	223.4 223.4 223.4 Width 19.1 19.1 19.1 19.1 Width 48.3 48.3	1.5 0.2 1.3 0.9 1.5 0.2 1.3 1.3 0.9 1.5 0.9 1.5 0.2	1.47 0.15 0.13 1.41 0.15 0.13 0.13 1.40	130.91 43.56 3.58 10.77 3.72 9.06
Wall Slab Nod Base Wall Slab	II	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	2.00 1.00 2.00 1.00 1.00 1.00 2.00	223.4 223.4 Width 19.1 19.1 19.1 Width 48.3 48.3	0.2 1.3 0.9 1.5 0.2 1.3 0.9 1.5 0.9	1.47 0.15 0.13 1.41 0.15 0.13 0.13 1.40	130.91 43.56 3.58 10.77 3.72 9.06
Slab Nod Base Wall Slab Slab Slab Slab Slab Slab Slab S	de-MH-704 to MH-705 e de-MH-705 to MH-706 de-MH-705 to MH-706 de-MH-706 to MH-707 e ll b	Cum Cum Cum Cum Cum Cum Cum Cum Cum	1.00 1.00 2.00 1.00 1.00 2.00	223.4 Width 19.1 19.1 19.1 19.1 Width 48.3 48.3	1.3 0.9 1.5 0.2 1.3 0.9 1.5 0.2	0.15 0.13 1.41 0.15 0.13 1.40	43.56 3.58 10.77 3.72 9.06
Nod Base Wall Slab Nod Base Wall Slab Slab Nod Base Wall Slab	de-MH-704 to MH-705 se II b de-MH-705 to MH-706 se II b de-MH-706 to MH-707 se II b	Cum Cum Cum Cum Cum Cum Cum Cum	1.00 2.00 1.00 1.00 2.00	Width 19.1 19.1 19.1 Width 48.3 48.3	0.9 1.5 0.2 1.3 0.9 1.5 0.2	0.13 1.41 0.15 0.13 1.40	3.58 10.77 3.72 9.06
Base Wall Slab Nod Base Wall Slab Base Wall Slab Slab Slab Slab Wall Slab Wall Slab	ee de-MH-705 to MH-706 ee II b de-MH-706 to MH-707 ee II II b	Cum Cum Cum Cum Cum Cum Cum	2.00 1.00 1.00 2.00	19.1 19.1 19.1 Width 48.3 48.3	1.5 0.2 1.3 0.9 1.5 0.2	1.41 0.15 0.13 1.40	10.77 3.72 9.06
Base Wall Slab Nod Base Wall Slab Base Wall Slab Slab Slab Slab Wall Slab Wall Slab	ee de-MH-705 to MH-706 ee II b de-MH-706 to MH-707 ee II II b	Cum Cum Cum Cum Cum Cum Cum	2.00 1.00 1.00 2.00	19.1 19.1 19.1 Width 48.3 48.3	1.5 0.2 1.3 0.9 1.5 0.2	1.41 0.15 0.13 1.40	10.77 3.72 9.06
Slab Nod Bass Wall Slab Nod Slab Slab Slab Wall Slab Wall Wall Wall Wall Wall Wall	b de-MH-705 to MH-706 se II b de-MH-706 to MH-707 se II II b	Cum Cum Cum Cum Cum	1.00 1.00 2.00	19.1 Width 48.3 48.3	1.3 0.9 1.5 0.2	0.15	3.72 9.06
Nod Bass Wall Slab Nod Slab Wall Slab	de-MH-705 to MH-706 e I b de-MH-706 to MH-707 se II b	Cum Cum Cum Cum	1.00 2.00	Width 48.3 48.3	0.9 1.5 0.2	0.13 1.40	9.06
Base Wall Slab Nod Base Wall Slab Nod Base Wall	e II b de-MH-706 to MH-707 ee II II b	Cum Cum Cum	2.00	48.3 48.3	1.5 0.2	1.40	
Base Wall Slab Nod Base Wall Slab Slab Slab Slab Wall Slab Wall	e II b de-MH-706 to MH-707 ee II II b	Cum Cum Cum	2.00	48.3 48.3	1.5 0.2	1.40	
Wall Slab Nod Bass Wall Slab Nod Bass Wall	II b de-MH-706 to MH-707 se II II b	Cum Cum Cum	2.00	48.3	0.2	1.40	
Slab Nod Bass Wall Slab Slab Nod Bass Wall	b de-MH-706 to MH-707 te II b	Cum					
Base Wall Slab Nod Base Wall	e II b					0.15	9.42
Base Wall Slab Nod Base Wall	e II b						
Wall Slab Nod Base Wall	ll b		1.00	Width 94.8	0.9 1.5	0.42	17.78
Slab Nod Base Wall	b	Oun	2.00	94.8 94.8	0.2	0.13	49.49
Nod Base Wall		Cum	1.00	94.8	1.3	0.15	18.49
Base Wall	de-MH-707 to Q-87				-		
Wall				Width	0.9		
		Cum	1.00	66.9	1.5	0.13	12.54
		Cum Cum	2.00 1.00	66.9 66.9	0.2	1.22 0.15	32.51 13.05
	5	Total Lengt		906.1	1.5	0.15	13.05
1		J					
Roa	ad 10-Bibi Alabi-Kandak Road			0.1	4.00		
Nod	de-MH-709 to MH-710			Sides Width	1.00 0.6		
Base		Cum	1.00	62.3	1.2	0.13	9.35
Wall		Cum	2.00	62.3	0.2	1.53	38.13
Slab	b	Cum	1.00	62.3	1	0.15	9.35
N				14/: -14/-	0.0		
Base	de-MH-710 to MH-686	Cum	1.00	Width 75.3	0.6 1.2	0.13	11.30
Wall		Cum	2.00	75.3	0.2	1.54	46.23
Slab		Cum	1.00	75.3	1	0.15	11.30
	de-MH-686 to MH-691	C	1.00	Width	1.2	0.40	1.00
Base Wall		Cum Cum	1.00 2.00	8.1 8.1	1.8 0.2	0.13 1.92	1.82 6.20
Slab		Cum	1.00	8.1	1.6	0.15	1.94
	de-MH-691 to MH-711			Width	1.2		
Base		Cum	1.00	28.9	1.8	0.13	6.50
Wall Slab		Cum Cum	2.00 1.00	28.9 28.9	0.2	1.86 0.15	<u>21.44</u> 6.94
JIDIC		Cull	1.00	20.9	1.0	0.15	0.34
Nod	de-MH-711 to MH-712			Width	1.2		
Base	e	Cum	1.00	43.8	1.8	0.13	9.86
Wall		Cum	2.00	43.8	0.2	1.65	28.91
Slab	0	Cum	1.00	43.8	1.6	0.15	10.51
Nod	de-MH-712 to MH-713			Width	1.2		
Base		Cum	1.00	10.8	1.2	0.13	2.43
Wall		Cum	2.00	10.8	0.2	1.55	6.70
Slab	b	Cum	1.00	10.8	1.6	0.15	2.59
Ne -	10-MH-713 to MH-714			Width	1.2		
Base	de-MH-713 to MH-714	Cum	1.00	25.2	1.2	0.13	5.67
Wall		Cum	2.00	25.2	0.2	1.54	15.47
Slab		Cum	1.00	25.2	1.6	0.15	6.05
	de-MH-714 to MH-715	0	4 00	Width	1.2	0.42	10.00
Base		Cum Cum	1.00 2.00	54.2 54.2	1.8 0.2	0.13 1.52	12.20 32.85
100 20		Cum	1.00	54.2	1.6	0.15	13.01
Slab							
Slab				Width	1.0		
Slab	de-MH-715 to MH-716	Cum	1.00	28.6	1.2 1.8	0.13	6.44

Sr. No.	Description Slab	Unit Cum	No's 1.00	L 28.6	B 1.6	H 0.15	Qty. 6.86
		Odin	1.00			0.10	0.00
	Node-MH-716 to MH-717	0	1.00	Width	1.2	0.40	
	Base Wall	Cum Cum	1.00 2.00	20.3 20.3	1.8 0.2	0.13 1.51	<u>4.57</u> 12.26
	Slab	Cum	1.00	20.3	1.6	0.15	4.87
		- Cuiii		20.0		0.10	
	Node-MH-717 to MH-718			Width	1.2		
	Base	Cum	1.00	11.3	1.8	0.13	2.54
	Wall Slab	Cum Cum	2.00	11.3 11.3	0.2	1.52 0.15	6.85 2.71
		Cum	1.00	11.5	1.0	0.15	2.71
	Node-MH-718 to MH-719			Width	1.2		
	Base	Cum	1.00	50.7	1.8	0.13	11.41
	Wall	Cum	2.00	50.7	0.2	1.52	30.72
	Slab	Cum	1.00	50.7	1.6	0.15	12.17
	Node-MH-719 to MH-720			Width	1.2		
	Base	Cum	1.00	34.5	1.8	0.13	7.76
	Wall	Cum	2.00	34.5	0.2	1.51	20.84
	Slab	Cum	1.00	34.5	1.6	0.15	8.28
		Total Lengt	th=	454			
	Road 11-Maidan 4th Cross Road-Extn						
				Sides	1.00		
	Node-MH-721 to MH-722			Width	0.6		
	Base	Cum	1.00	43.8	1.2	0.13	6.57
	Wall	Cum	2.00	43.8	0.2	1.22	21.37
	Slab	Cum	1.00	43.8	1	0.15	6.57
	Node-MH-722 to MH-723			Width	0.6		
	Base	Cum	1.00	31	1.2	0.13	4.65
	Wall	Cum	2.00	31	0.2	1.22	15.07
	Slab	Cum	1.00	31	1	0.15	4.65
	Node-MH-723 to MH-724			Width	0.6		
	Base	Cum	1.00	25.5	1.2	0.13	3.83
	Wall	Cum	2.00	25.5	0.2	1.24	12.65
	Slab	Cum	1.00	25.5	1	0.15	3.83
	Node-MH-724 to MH-725 Base	Cum	1.00	Width 59	0.6 1.2	0.13	8.85
	Wall	Cum	2.00	59	0.2	1.46	34.46
	Slab	Cum	1.00	59	1	0.15	8.85
	Node-MH-725 to MH-713			Width	0.6		
	Base	Cum	1.00	33.8	1.2	0.13	5.07
	Wall Slab	Cum Cum	2.00	33.8 33.8	0.2	1.78 0.15	24.00 5.07
		Cum	1.00	00.0		0.10	0.01
	Node-MH-726 to MH-727			Width	0.6		
	Base	Cum	1.00	39.7	1.1	0.13	5.46
	Wall	Cum	2.00	39.7	0.15	1.22	14.53
	Slab	Cum	1.00	39.7	0.9	0.15	5.36
	Node-MH-727 to MH-728			Width	0.6		
	Base	Cum	1.00	41.7	1.2	0.13	6.26
	Wall	Cum	2.00	41.7	0.2	1.23	20.43
	Slab	Cum	1.00	41.7	1	0.15	6.26
	Node-MH-728 to MH-729	+ +		Width	0.9		
	Base	Cum	1.00	91.7	1.5	0.13	17.19
	Wall	Cum	2.00	91.7	0.2	1.44	52.64
	Slab	Cum	1.00	91.7	1.3	0.15	17.88
				147:10			
	Node-MH-729 to MH-712	Cum	1.00	Width 21.8	0.9 1.5	0.42	4.09
	Base Wall	Cum	2.00	21.8	0.2	0.13 1.77	4.09 15.43
	Slab	Cum	1.00	21.8	1.3	0.15	4.25
	Node-MH-712 to MH-713			Width	1.2		
	Base	Cum	1.00	10.8	1.8	0.13	2.43
	Wall Slab	Cum Cum	2.00	10.8 10.8	0.2	1.89 0.15	8.16 2.59
		Total Lengt		398.8	1.0	0.13	2.03
_	Road 13-J.M 1st Cross Road						
A				Sides	1.00		
1	Node-MH-781 to MH-782 Base	Cum	1.00	Width 57.6	0.6 1.2	0.13	8.64
	Wall	Cum	2.00	57.6	0.2	1.15	26.38
	Slab	Cum	1.00	57.6	1	0.15	8.64
					0.0		
2	Node-MH-782 to MH-783			Width	0.6		
2	Node-MH-782 to MH-783 Base	Cum	1.00	30.6	1.2	0.13	4.59
2	Node-MH-782 to MH-783 Base Wall	Cum	2.00	30.6 30.6	1.2 0.2	0.91	11.14
2	Node-MH-782 to MH-783 Base			30.6	1.2		

Sr. No.	Description	Unit	No's	L	в	н	Qty.
en ne.	Base	Cum	1.00	40.8	1.2	0.13	6.12
	Wall	Cum	2.00	21.2	0.2	0.61	5.17
	Slab	Cum	1.00	21.2	1	0.15	3.18
4	Node-MH-785 to MH-786			Width	0.6		
	Base	Cum	1.00	21.2	1.2	0.13	3.18
	Wall	Cum	2.00	21.2	0.2	1.25	10.60
	Slab	Cum	1.00	21.2	1	0.15	3.18
5	Node-MH-786 to MH-787			Width	0.9		
	Base	Cum	1.00	21.8	1.5	0.13	4.09
	Wall Slab	Cum Cum	2.00	21.8 21.8	0.2	1.22 0.15	10.59 4.25
		Cum	1.00	21.0	1.3	0.15	4.25
6	Node-MH-7787 to MH-788			Width	0.9		
	Base	Cum Cum	1.00 2.00	25 25	1.5 0.2	0.13	4.69
	Wall Slab	Cum	2.00	25	1.3	0.15	12.15 4.88
7	Node-MH-788 to MH-518			Width	1.2		
	Base Wall	Cum Cum	1.00 2.00	14.8 14.8	1.8 0.2	0.13 1.53	3.33 9.06
	Slab	Cum	1.00	14.8	1.6	0.15	3.55
		Total Leng	th=	211.8			
	Pood 15 Mission Street Dood						
	Road 15-Mission Street Road			Sides	1.00		
1	Node-MH-789 to MH-790			Width	0.6		
	Base	Cum	1.00	32.4	1.2	0.13	4.86
	Wall Slab	Cum Cum	2.00	32.4 32.4	0.2	1.48 0.15	<u>19.18</u> 4.86
			1.00			0.10	1.00
2	Node-MH-790 to MH-791			Width	0.6		
	Base Wall	Cum Cum	1.00 2.00	23.2 23.2	1.2 0.2	0.13	<u>3.48</u> 12.30
	Slab	Cum	1.00	23.2	0.2	0.15	3.48
3	Node-MH-791 to MH-792	Cum	1.00	Width 32.4	0.6 1.2	0.12	4.00
	Base Wall	Cum Cum	1.00 2.00	32.4	0.2	0.13 1.33	<u>4.86</u> 11.24
	Slab	Cum	1.00	21.2	1	0.15	3.18
4	Node-MH-792 to MH-793 Base	Cum	1.00	Width 27.1	0.6 1.2	0.13	4.07
	Wall	Cum	2.00	27.1	0.2	1.30	14.04
	Slab	Cum	1.00	27.1	1	0.15	4.07
5	Node-MH-793 to MH-794			Width	0.6		
5	Base	Cum	1.00	41.7	0.6 1.2	0.13	6.26
	Wall	Cum	2.00	41.7	0.2	1.24	20.68
	Slab	Cum	1.00	41.7	1	0.15	6.26
6	Node-MH-794 to MH-795			Width	0.6		
Ŭ	Base	Cum	1.00	51.2	1.2	0.13	7.68
	Wall	Cum	2.00	51.2	0.2	1.22	24.88
	Slab	Cum	1.00	51.2	1	0.15	7.68
7	Node-MH-795 to MH-475			Width	0.6		
	Base	Cum	1.00	51.9	1.2	0.13	7.79
	Wall	Cum Cum	2.00	51.9 51.9	0.2	1.31 0.15	27.09
	Slab	Total Leng		259.9		0.13	7.79
	Ded. Of Covers-0.6m x 0.45m	0	AEA 00		0.45	0.45	10.07
		Cum	-451.00	0.6	0.45	0.15	-18.27
	Box Culvert						
	Road No.1-GHS Road		-				
	Box Culvert-Slab Box Culvert-Wall	Cum Cum	6	23 23	1.50 1.50	0.20	41.40
	Road No.2-P.M.Rao Road	Culli	0	23	1.50	0.20	-T I. HU
	Box Culvert-Slab	Cum	2	12.2	1.50	0.20	7.32
	Box Culvert-Wall	Cum	2	12.2	1.50	0.20	7.32
	Road No.3-Sharavu Temple Road Box Culvert-Slab	Cum	2	10	1.50	0.20	6.00
	Box Culvert-Wall	Cum	2	10	1.50	0.20	6.00
	Road No.4-G.H.S. Cross Road		-				E 00
	Box Culvert-Slab Box Culvert-Wall	Cum Cum	2	8.8 8.8	1.50 1.50	0.20	5.28 5.28
	Road No.5-Vithoba Temple Road	Culli	2	0.0	1.50	0.20	5.20
	Box Culvert-Slab	Cum	8	11.4	1.50	0.20	27.36
	Box Culvert-Wall	Cum	8	11.4	1.50	0.20	27.36
	Road No.7-Maidan 1st Cross Road Box Culvert-Slab	Cum	2	18.05	1.50	0.20	10.83
		Oum					10.83
	Box Culvert-Wall	Cum	2	18.05	1.50	0.20	10.05
	Box Culvert-Wall Road No.8-Maidan 3rd Cross Road						
	Box Culvert-Wall	Cum Cum Cum	2	18.05 13.1 13.1	1.50 1.50 1.50	0.20	7.86

Sr. No.	-		-				
	Description	Unit	No's	L	в	н	Qty.
	Box Culvert-Slab	Cum	0	8.3	1.50	0.20	0.00
	Box Culvert-Wall	Cum	0	8.3	1.50	0.20	0.00
	Road 10-Bibi Alabi-Kandak Road						
	Box Culvert-Slab	Cum	8	8.3	1.50	0.20	19.92
	Box Culvert-Wall	Cum	8	8.3	1.50	0.20	19.92
		Cum	0	0.3	1.50	0.20	19.92
	Road 11-Maidan 4th Cross Road-Extn						
	Box Culvert-Slab	Cum	2	8.3	1.50	0.20	4.98
	Box Culvert-Wall	Cum	2	8.3	1.50	0.20	4.98
	Road 13-J.M 1st Cross Road						
	Box Culvert-Slab	Cum	4	8.3	1.50	0.20	9.96
	Box Culvert-Wall	Cum	4	8.3	1.50	0.20	9.96
	Road 15-Mission Street Road						
	Box Culvert-Slab	Cum	14	8.3	1.50	0.20	34.86
	Box Culvert-Wall	Cum	14	8.3	1.50	0.20	34.86
	Box Cuivert-waii	Cum	14	8.3	1.50	0.20	34.80
	Footpath Edge Beam	Cum	1	3989.00	0.15	0.105	62.83
	Electrical Chamber						0.00
	Foundation	Cum	214	2.70	1.80	0.15	156.01
	Long Wall	Cum	428	2.40	0.15	2.10	323.57
	Short Wall	Cum	428	1.10	0.15	2.10	148.30
		Cum	120	Total Qty.	0.10	2.10	5376.43
		Cum		Total Qty.			5570.45
	KSRB 4.6.1 Providing and removing centering, shuttering, strutting, propping etc.,and						
1	removal of formwork for foundations, footings, bases of columns for mass concrete						
40	including cost of all materials, labour complete as per specifications.						
18	Specification No. KSB 4.6.2						
	(SI No : 4.28 of KPWD 18-19)						
	SWD						
	Road No.1 G.H.S.Road			Sides	1.00	T	
	Node-MH-633 to MH-634			Width	0.75		
	Base	Sqm	2.00	39.9		0.125	9.98
	Wall	Sqm	4	39.9		1.39	221.84
	Slab	Sqm	1.00	39.9	1.15	1.55	45.89
	Siab	Sqm	1.00	39.9	1.15		45.89
	Node-MH-634 to MH-635			Width	0.75		
	Base	Sqm	2.00	49.4		0.125	12.35
	Wall	Sqm	4	49.4		1.215	240.08
	Slab	Sqm	1.00	49.4	1.15		56.81
					-		
	Node-MH-635 to MH-636			Width	0.75		
	Base	Sqm	2.00	24.1	0.70	0.125	6.03
	Wall		2.00	24.1		1.38	133.03
		Sqm			4 4 5	1.30	
	Slab	Sqm	1.00	24.1	1.15		27.72
	Node-MH-636 to MH-637			Width	0.75		
	Base	Sqm	2.00	54.4		0.125	13.60
	Wall	Sqm	4	54.4		1.225	266.56
	Slab	Sqm	1.00	54.4	1.15		62.56
	Node-MH-637 to MH-638			Width	0.75		
	Base	Sqm	2.00	52.4	0.75	0.125	13.10
	Wall	Sqm	4	52.4		1.24	259.90
	Slab	Sqm	1.00	52.4	1.15		60.26
L	Node-MH-638 to MH-639			Width	0.75		
L	Base	Sqm	2.00	31.9		0.125	7.98
	Wall	Sqm	4	31.9		1.265	161.41
	Slab	Sqm	1.00	31.9	1.15	- *	36.69
			1.00	51.9			
					0.75		
	Node-MH-639 to MH-640			Width	0.75	0.405	A 40
	Node-MH-639 to MH-640 Base	Sqm	2.00	Width 16.4	0.75	0.125	4.10
	Node-MH-639 to MH-640 Base Wall	Sqm	2.00	Width 16.4 16.4		0.125 1.26	82.66
	Node-MH-639 to MH-640 Base		2.00	Width 16.4	0.75		
	Node-MH-639 to MH-640 Base Wall	Sqm	2.00 4 1.00	Width 16.4 16.4 16.4			82.66
	Node-MH-639 to MH-640 Base Wall	Sqm	2.00 4 1.00	Width 16.4 16.4		1.26	82.66
	Node-MH-639 to MH-640 Base Wall Slab	Sqm	2.00 4 1.00	Width 16.4 16.4 16.4	1.15	1.26	82.66
	Node-MH-639 to MH-640 Base Wall Slab Node-MH-640 to MH-641 Base	Sqm Sqm Sqm	2.00 4 1.00	Width 16.4 16.4 16.4 Width 29	1.15	1.26 0 0.125	82.66 18.86 7.25
	Node-MH-639 to MH-640 Base Wall Slab Node-MH-640 to MH-641 Base Wall	Sqm Sqm Sqm Sqm	2.00 4 1.00 2.00 4	Width 16.4 16.4 16.4 Width 29 29	1.15	1.26	82.66 18.86 7.25 160.08
	Node-MH-639 to MH-640 Base Wall Slab Node-MH-640 to MH-641 Base	Sqm Sqm Sqm	2.00 4 1.00 2.00	Width 16.4 16.4 16.4 Width 29	1.15	1.26 0 0.125	82.66 18.86 7.25
	Node-MH-639 to MH-640 Base Wall Slab Node-MH-640 to MH-641 Base Wall Slab	Sqm Sqm Sqm Sqm	2.00 4 1.00 2.00 4	Width 16.4 16.4 16.4 Width 29 29 29 29	1.15 1.2 1.6	1.26 0 0.125	82.66 18.86 7.25 160.08
	Node-MH-639 to MH-640 Base Wall Slab Node-MH-640 to MH-641 Base Wall Slab Node-MH-641 to MH-642	Sqm Sqm Sqm Sqm Sqm	2.00 4 1.00 2.00 4 1.00	Width 16.4 16.4 16.4 Width 29 29 29 29 Width	1.15	1.26 0 0.125 1.38	82.66 18.86 7.25 160.08 46.40
	Node-MH-639 to MH-640 Base Wall Slab Node-MH-640 to MH-641 Base Wall Slab Node-MH-640 to MH-641 Base Wall Slab Node-MH-641 to MH-642 Base	Sqm Sqm Sqm Sqm Sqm Sqm Sqm	2.00 4 1.00 2.00 4 1.00	Width 16.4 16.4 16.4 Width 29 29 29 29 29 Width 61.2	1.15 1.2 1.6	1.26 0 0.125 1.38 0.125	82.66 18.86 7.25 160.08 46.40 15.30
	Node-MH-639 to MH-640 Base Wall Slab Node-MH-640 to MH-641 Base Wall Slab Node-MH-640 to MH-641 Base Wall Slab Node-MH-641 to MH-642 Base Wall	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	2.00 4 1.00 2.00 4 1.00 2.00 4	Width 16.4 16.4 16.4 Width 29 29 29 Width 61.2 61.2	1.15 1.2 1.6 1.2	1.26 0 0.125 1.38	82.66 18.86 7.25 160.08 46.40 15.30 306.00
	Node-MH-639 to MH-640 Base Wall Slab Node-MH-640 to MH-641 Base Wall Slab Node-MH-640 to MH-641 Base Wall Slab Node-MH-641 to MH-642 Base	Sqm Sqm Sqm Sqm Sqm Sqm Sqm	2.00 4 1.00 2.00 4 1.00	Width 16.4 16.4 16.4 Width 29 29 29 29 29 Width 61.2	1.15 1.2 1.6	1.26 0 0.125 1.38 0.125	82.66 18.86 7.25 160.08 46.40 15.30
	Node-MH-639 to MH-640 Base Wall Slab Node-MH-640 to MH-641 Base Wall Slab Node-MH-640 to MH-641 Base Wall Slab Node-MH-641 to MH-642 Base Wall	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	2.00 4 1.00 2.00 4 1.00 2.00 4	Width 16.4 16.4 16.4 Width 29 29 29 Width 61.2 61.2	1.15 1.2 1.6 1.2	1.26 0 0.125 1.38 0.125	82.66 18.86 7.25 160.08 46.40 15.30 306.00
	Node-MH-639 to MH-640 Base Wall Slab Node-MH-640 to MH-641 Base Wall Slab Node-MH-640 to MH-641 Base Wall Slab Node-MH-641 to MH-642 Base Wall	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	2.00 4 1.00 2.00 4 1.00 2.00 4 1.00	Width 16.4 16.4 16.4 Width 29 29 29 Width 61.2 61.2 61.2	1.15 1.2 1.6 1.2	1.26 0 0.125 1.38 0.125	82.66 18.86 7.25 160.08 46.40 15.30 306.00
	Node-MH-639 to MH-640 Base Wall Slab Node-MH-640 to MH-641 Base Wall Slab Node-MH-641 to MH-642 Base Wall Slab	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	2.00 4 1.00 2.00 4 1.00 2.00 4 1.00	Width 16.4 16.4 16.4 Width 29 29 29 29 Width 61.2 61.2 61.2 5ides	1.15 1.2 1.6 1.6 1.2 1.6	1.26 0 0.125 1.38 0.125	82.66 18.86 7.25 160.08 46.40 15.30 306.00
	Node-MH-639 to MH-640 Base Wall Slab Node-MH-640 to MH-641 Base Wall Slab Node-MH-641 to MH-642 Base Wall Slab	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	2.00 4 1.00 2.00 4 1.00 2.00 4 1.00	Width 16.4 16.4 16.4 Width 29 29 29 29 Width 61.2 61.2 61.2 5ides Width	1.15 1.2 1.6 1.2 1.6	1.26 0 0.125 1.38 0.125 1.25	82.66 18.86 7.25 160.08 46.40 15.30 306.00 97.92
	Node-MH-639 to MH-640 Base Wall Slab Node-MH-640 to MH-641 Base Wall Slab Node-MH-641 to MH-642 Base Wall Slab Node-MH-641 to MH-642 Base Wall Slab Node-MH-797 to MH-798 Base	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	2.00 4 1.00 2.00 4 1.00 4 1.00 2.00 2.00	Width	1.15 1.2 1.6 1.6 1.2 1.6	1.26 0 0.125 1.38 0.125 1.25 1.25 0.125	82.66 18.86 7.25 160.08 46.40 15.30 306.00 97.92 10.05
	Node-MH-639 to MH-640 Base Wall Slab Node-MH-640 to MH-641 Base Wall Slab Node-MH-641 to MH-642 Base Wall Slab Node-MH-641 to MH-642 Base Wall Slab Node-MH-797 to MH-798 Base Wall	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	2.00 4 1.00 2.00 4 1.00 2.00 4 1.00 2.00 4 1.00 4	Width 16.4 16.4 16.4 Width 29 29 29 Width 61.2 61.2 61.2 5ides Width 40.2 40.2	1.15 1.2 1.6 1.6 1.2 1.6 1.6 1.0 9 0.9	1.26 0 0.125 1.38 0.125 1.25	82.66 18.86 7.25 160.08 46.40 15.30 306.00 97.92 10.05 267.73
	Node-MH-639 to MH-640 Base Wall Slab Node-MH-640 to MH-641 Base Wall Slab Node-MH-641 to MH-642 Base Wall Slab Node-MH-641 to MH-642 Base Wall Slab Node-MH-797 to MH-798 Base	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	2.00 4 1.00 2.00 4 1.00 4 1.00 2.00 2.00	Width	1.15 1.2 1.6 1.6 1.2 1.6	1.26 0 0.125 1.38 0.125 1.25 1.25 0.125	82.66 18.86 7.25 160.08 46.40 15.30 306.00 97.92 10.05
	Node-MH-639 to MH-640 Base Wall Slab Node-MH-640 to MH-641 Base Wall Slab Node-MH-641 to MH-642 Base Wall Slab Node-MH-641 to MH-642 Base Wall Slab Wall Slab Wall Slab Wall Slab Wall Slab Wall Slab	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	2.00 4 1.00 2.00 4 1.00 2.00 4 1.00 2.00 4 1.00 4	Width 16.4 16.4 16.4 29 29 29 29 Width 61.2 61.2 61.2 61.2 Sides Width 40.2 40.2 40.2	1.15 1.2 1.6 1.6 1.2 1.6 1.0 9 1.3	1.26 0 0.125 1.38 0.125 1.25 1.25 0.125	82.66 18.86 7.25 160.08 46.40 15.30 306.00 97.92 10.05 267.73
	Node-MH-639 to MH-640 Base Wall Slab Node-MH-640 to MH-641 Base Wall Slab Node-MH-641 to MH-642 Base Wall Slab Node-MH-641 to MH-642 Base Wall Slab Node-MH-797 to MH-798 Base Wall	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	2.00 4 1.00 2.00 4 1.00 2.00 4 1.00 2.00 4 1.00	Width	1.15 1.2 1.6 1.6 1.2 1.6 1.6 1.0 9 0.9	1.26 0 0.125 1.38 0.125 1.25 0.125 1.665	82.66 18.86 7.25 160.08 46.40 15.30 306.00 97.92 10.05 267.73 52.26
	Node-MH-639 to MH-640 Base Wall Slab Node-MH-640 to MH-641 Base Wall Slab Node-MH-641 to MH-642 Base Wall Slab Node-MH-641 to MH-642 Base Wall Slab Wall Slab Wall Slab Wall Slab Wall Slab Wall Slab	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	2.00 4 1.00 2.00 4 1.00 2.00 4 1.00 2.00 4 1.00 4	Width 16.4 16.4 16.4 29 29 29 29 Width 61.2 61.2 61.2 61.2 Sides Width 40.2 40.2 40.2	1.15 1.2 1.6 1.6 1.2 1.6 1.0 9 1.3	1.26 0 0.125 1.38 0.125 1.25 1.25 0.125	82.66 18.86 7.25 160.08 46.40 15.30 306.00 97.92 10.05 267.73
	Node-MH-639 to MH-640 Base Wall Slab Node-MH-640 to MH-641 Base Wall Slab Node-MH-641 to MH-642 Base Wall Slab Node-MH-641 to MH-642 Base Wall Slab Node-MH-797 to MH-798 Base Wall Slab Node-MH-798 to MH-799	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	2.00 4 1.00 2.00 4 1.00 2.00 4 1.00 2.00 4 1.00	Width	1.15 1.2 1.6 1.6 1.2 1.6 1.0 9 1.3	1.26 0 0.125 1.38 0.125 1.25 0.125 1.665	82.66 18.86 7.25 160.08 46.40 15.30 306.00 97.92 10.05 267.73 52.26 6.75
	Node-MH-639 to MH-640 Base Wall Slab Node-MH-640 to MH-641 Base Wall Slab Node-MH-641 to MH-642 Base Wall Slab Node-MH-641 to MH-642 Base Wall Slab Node-MH-797 to MH-798 Base Wall Slab Node-MH-797 to MH-798 Base Wall Slab Node-MH-797 to MH-798 Base Wall Slab	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	2.00 4 1.00 2.00 4 1.00 2.00 4 1.00 2.00 4 1.00	Width	1.15 1.2 1.6 1.6 1.2 1.6 1.0 9 1.3	1.26 0 0.125 1.38 0.125 1.25 1.25 1.665 1.665	82.66 18.86 7.25 160.08 46.40 15.30 306.00 97.92 10.05 267.73 52.26

Sr. No.	Description	Unit	No's	L	В	Н	Qty.
	Node-MH-799 to MH-800 Base	Sqm	2.00	Width 21.9	0.9	0.125	5.48
	Wall	Sqm	2.00	21.9		1.5	131.40
	Slab	Sqm	1.00		1.3	1.5	28.47
							20111
	Node-MH-800 to MH-802			Width	0.9		
	Base	Sqm	2.00			0.125	19.90
	Wall	Sqm	4	79.6		1.42	452.13
	Slab	Sqm	1.00	79.6	1.3		103.48
	Node-MH-802 to MH-654			Width	0.9		
	Base	Sqm	2.00		0.9	0.125	11.95
	Wall	Sqm	4	47.8		1.32	252.38
	Slab	Sqm	1.00		1.3		62.14
				-			
				Sides	1		
	Node-MH-803 to MH-804 Base	Sqm	2.00	Width 50.1	0.75	0.125	12.53
	Wall	Sqm	2.00	50.1		1.355	271.54
	Slab	Sqm	1.00		1.15		57.62
	Node-MH-804 to MH-805			Width	0.75		
	Base	Sqm	2.00			0.125	8.43
	Wall	Sqm	4	33.7	4.45	1.325	178.61
	Slab	Sqm	1.00	33.7	1.15		38.76
	Node-MH-805 to O-85			Width	0.75		
	Base	Sqm	2.00		0.75	0.125	11.09
	Wall	Sqm	4	44.37		1.255	222.74
	Slab	Sqm	1.00	44.37	1.15		51.03
		Total Leng	th=	703.37			
	Road No.2-P.M.Rao Road	-		Sides	1		
	Node-MH-644			Width	0.9		
	Base	Sqm	2.00		0.3	0.125	9.53
	Wall	Sqm	4.00			1.485	226.31
	Slab	Sqm	1.00		1.3		49.53
	Node-MH-645	-		Width	0.9		
	Base	Sqm	2.00			0.125	6.70
	Wall Slab	Sqm	4.00	26.8 26.8	1.3	1.66	177.95 34.84
	Siab	Sqm	1.00	20.0	1.3		34.04
	Node-MH-646			Width	0.9		
	Base	Sqm	2.00		0.0	0.125	8.13
	Wall	Sqm	4.00	32.5		1.545	200.85
	Slab	Sqm	1.00	32.5	1.3		42.25
					0.0		
	Node-MH-647 Base	Sqm	2.00	Width 46.4	0.9	0.125	11.60
	Wall	Sqm	4.00			1.23	228.29
	Slab	Sqm	1.00		1.3	1.20	60.32
	Node-MH-648			Width	0.9		
	Base	Sqm	2.00			0.125	6.90
	Wall	Sqm	4.00		1.0	1.225	135.24
	Slab	Sqm	1.00	27.0	1.3		35.88
	Node-MH-639			Width	0.9		
	Base	Sqm	2.00			0.125	2.83
	Wall	Sqm	4.00			1.24	56.05
	Slab	Sqm	1.00		1.3		14.69
		Total Leng	th=	182.7			
	Road No.3-Sharavu Temple Road						
				Sides	1		
				Width	0.75		
	Node-MH-649 to MH-650 Base	Sqm		Width	0.75	0.125	10.70
	Node-MH-649 to MH-650 Base Wall	Sqm	2.00 4.00	Width 42.8 42.8		0.125 1.285	219.99
	Node-MH-649 to MH-650 Base		2.00	Width 42.8 42.8	0.75		
	Node-MH-649 to MH-650 Base Wall Slab	Sqm	2.00 4.00 1.00	Width 42.8 42.8 42.8	1.15		219.99
	Node-MH-649 to MH-650 Base Wall Slab Node-MH-650 to MH-651	Sqm Sqm	2.00 4.00 1.00	Width 42.8 42.8 42.8 Width		1.285	219.99 49.22
	Node-MH-649 to MH-650 Base Wall Slab Node-MH-650 to MH-651 Base	Sqm Sqm Sqm Sqm	2.00 4.00 1.00 2.00	Width 42.8 42.8 42.8 Width 51.3	1.15	0.125	219.99 49.22 12.83
	Node-MH-649 to MH-650 Base Wall Slab Node-MH-650 to MH-651	Sqm Sqm	2.00 4.00 1.00	Width 42.8 42.8 42.8 42.8 Width 51.3 51.3	1.15	1.285	219.99 49.22
	Node-MH-649 to MH-650 Base Wall Slab Node-MH-650 to MH-651 Base Wall Slab	Sqm Sqm Sqm Sqm Sqm	2.00 4.00 1.00 2.00 4.00 1.00	Width 42.8 42.8 42.8 Width 51.3 51.3 51.3	1.15 0.75 1.15	0.125	219.99 49.22 12.83 284.20
	Node-MH-649 to MH-650 Base Wall Slab Node-MH-650 to MH-651 Base Wall Slab Node-MH-650 to MH-651 Base Wall Slab Node-MH-651 to MH-652	Sqm Sqm Sqm Sqm Sqm	2.00 4.00 1.00 2.00 4.00 1.00	Width 42.8 42.8 42.8 42.8 51.3 51.3 51.3 Width	1.15 0.75	1.285 0.125 1.385	219.99 49.22 12.83 284.20 59.00
	Node-MH-649 to MH-650 Base Wall Slab Node-MH-650 to MH-651 Base Wall Slab Node-MH-650 to MH-651 Base Wall Slab Node-MH-651 to MH-652 Base	Sqm Sqm Sqm Sqm Sqm Sqm Sqm	2.00 4.00 1.00 2.00 4.00 1.00	Width 42.8 42.8 42.8 Width 51.3 51.3 51.3 51.3 9 51.3 2 3 2 8 2 3 8 2 3 8 2 3 8 2 3 8 2 3 8 2 3 8 2 3 8 2 3 8 2 3 8 2 3 8 3 3 3 3	1.15 0.75 1.15	1.285 0.125 1.385 0.125	219.99 49.22 12.83 284.20 59.00 5.95
	Node-MH-649 to MH-650 Base Wall Slab Node-MH-650 to MH-651 Base Wall Slab Node-MH-650 to MH-651 Base Wall Slab Wall Slab Wall Wall	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	2.00 4.00 1.00 2.00 4.00 1.00 2.00 4.00	Width 42.8 42.8 42.8 51.3 51.3 51.3 51.3 51.3 23.8 23.8	1.15 0.75 1.15 0.75	1.285 0.125 1.385	219.99 49.22 12.83 284.20 59.00 5.95 115.67
	Node-MH-649 to MH-650 Base Wall Slab Node-MH-650 to MH-651 Base Wall Slab Node-MH-650 to MH-651 Base Wall Slab Node-MH-651 to MH-652 Base	Sqm Sqm Sqm Sqm Sqm Sqm Sqm	2.00 4.00 1.00 2.00 4.00 1.00	Width 42.8 42.8 42.8 Width 51.3 51.3 91.3 91.3 91.3 92.8 Width 23.8 23.8	1.15 0.75 1.15	1.285 0.125 1.385 0.125	219.99 49.22 12.83 284.20 59.00 5.95
	Node-MH-649 to MH-650 Base Wall Slab Node-MH-650 to MH-651 Base Wall Slab Node-MH-651 to MH-652 Base Wall Slab Node-MH-651 to MH-652 Base Wall Slab	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	2.00 4.00 1.00 2.00 4.00 1.00 2.00 4.00 1.00	Width 42.8 42.8 42.8 42.8 51.3 52.3 23.8 23.8 23.8 23.8	1.15 0.75 1.15 0.75	1.285 0.125 1.385 0.125	219.99 49.22 12.83 284.20 59.00 5.95 115.67
	Node-MH-649 to MH-650 Base Wall Slab Node-MH-650 to MH-651 Base Wall Slab Node-MH-650 to MH-651 Base Wall Slab Wall Slab Wall Wall	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	2.00 4.00 1.00 2.00 4.00 1.00 2.00 4.00 1.00	Width 42.8 42.8 42.8 42.8 9 Width 51.3 51.3 51.3 51.3 23.8 23.8 23.8 Width	1.15 0.75 1.15 0.75 1.15	1.285 0.125 1.385 0.125	219.99 49.22 12.83 284.20 59.00 5.95 115.67
	Node-MH-649 to MH-650 Base Wall Slab Node-MH-650 to MH-651 Base Wall Slab Node-MH-651 to MH-652 Base Wall Slab Node-MH-651 to MH-652 Base Wall Slab Node-MH-651 to MH-652 Base Wall Slab Node-MH-652 to MH-653 Base Wall	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	2.00 4.00 1.00 2.00 4.00 1.00 2.00 4.00 1.00 2.00 4.00 4.00	Width 42.8 42.8 42.8 42.8 51.3 51.3 51.3 23.8 25.1	1.15 0.75 1.15 0.75 1.15 0.75 0.75	1.285 0.125 1.385 0.125 1.215	219.99 49.22 12.83 284.20 59.00 5.95 115.67 27.37 6.28 122.49
	Node-MH-649 to MH-650 Base Wall Slab Node-MH-650 to MH-651 Base Wall Slab Node-MH-651 to MH-652 Base Wall Slab Node-MH-651 to MH-652 Base Wall Slab Node-MH-651 to MH-652 Base Wall Slab	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	2.00 4.00 1.00 2.00 4.00 1.00 2.00 4.00 1.00	Width 42.8 42.8 42.8 42.8 51.3 51.3 51.3 23.8 25.1	1.15 0.75 1.15 0.75 1.15	1.285 0.125 1.385 0.125 1.215 0.125 0.125	219.99 49.22 12.83 284.20 59.00 5.95 115.67 27.37 6.28
	Node-MH-649 to MH-650 Base Wall Slab Node-MH-650 to MH-651 Base Wall Slab Node-MH-651 to MH-652 Base Wall Slab Node-MH-651 to MH-652 Base Wall Slab Node-MH-651 to MH-652 Base Wall Slab Node-MH-652 to MH-653 Base Wall Slab	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	2.00 4.00 1.00 2.00 4.00 1.00 2.00 4.00 1.00 2.00 4.00 1.00	Width 42.8 42.8 42.8 42.8 9 Width 51.3 51.3 51.3 51.3 23.8 23.8 23.8 23.8 23.8 23.8 25.1 25.1 25.1 25.1	1.15 0.75 1.15 0.75 1.15 0.75 1.15 0.75	1.285 0.125 1.385 0.125 1.215 0.125 0.125	219.99 49.22 12.83 284.20 59.00 5.95 115.67 27.37 6.28 122.49
	Node-MH-649 to MH-650 Base Wall Slab Node-MH-650 to MH-651 Base Wall Slab Node-MH-651 to MH-652 Base Wall Slab Node-MH-651 to MH-652 Base Wall Slab Node-MH-651 to MH-652 Base Wall Slab Node-MH-652 to MH-653 Base Wall	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	2.00 4.00 1.00 2.00 4.00 1.00 2.00 4.00 1.00 2.00 4.00 1.00	Width 42.8 42.8 42.8 42.8 9 Width 51.3 51.3 51.3 51.3 42.8 42.8 42.8 42.8 42.8 51.3 51.3 23.8 23.8 23.8 23.8 23.8 23.8 23.8 23.8 23.8 23.8 23.8 23.8 23.8 23.8 23.8 23.8 25.1 25.1 25.1 25.1 Width Width	1.15 0.75 1.15 0.75 1.15 0.75 0.75	1.285 0.125 1.385 0.125 1.215 0.125 0.125	219.99 49.22 12.83 284.20 59.00 5.95 115.67 27.37 6.28 122.49

Sr. No.	Description	Unit	No's	L	В	н	Qty.
0	Wall	Sqm	4.00	-		1.22	189.34
	Slab	Sqm	1.00		1.15		44.62
		Total Leng	gth=	181.8			
	Road No.4-G.H.S. Cross Road						
	Roau No.4-G.H.S. Closs Roau			Sides	1		
	Node-MH-654 to MH-655			Width	0.75		
	Base	Sqm	2.00			0.125	3.20
	Wall	Sqm	4.00		4.45	1.255	64.26
	Slab	Sqm	1.00	12.8	1.15		14.72
	Node-MH-655 to MH-656			Width	0.75		
	Base	Sqm	2.00			0.125	6.20
	Wall	Sqm	4.00			1.485	147.31
	Slab	Sqm	1.00	24.8	1.15		28.52
	Node-MH-656 to MH-657			Width	0.75		
	Base	Sqm	2.00		0.75	0.125	6.18
	Wall	Sqm	4.00			1.225	121.03
	Slab	Sqm	1.00	24.7	1.15		28.41
				14/1-141	0.75		
	Node-MH-657 to MH-658 Base	Sqm	2.00	Width 17.6	0.75	0.125	4.40
	Wall	Sqm	4.00			1.215	85.54
	Slab	Sqm	1.00		1.15		20.24
	Node-MH-658to MH-659	-		Width	0.75	0	
	Base Wall	Sqm Sqm	2.00 4.00	45.5 45.5		0.125 1.43	11.38 260.26
	Slab	Sqm Sqm	4.00		1.15	1.43	260.26 52.33
		oqiii	1.00	10.0	1.10		02.00
	Node-MH-659 to MH-660			Width	0.75		
	Base	Sqm	2.00			0.125	7.53
	Wall Slab	Sqm Sqm	4.00		1.15	1.285	154.71 34.62
	Siab	Sqm	1.00	30.1	1.15		34.62
	Node-MH-660 to O-77			Width	0.75		
	Base	Sqm	2.00	24.1		0.125	6.03
	Wall	Sqm	4.00			1.21	116.64
	Slab	Sqm	1.00	24.1	1.15		27.72
		Total Leng	nth-	179.6			
		TOTAL LEN	Jui —	175.0			
	Road No.5-Vithoba Temple Road						
				Sides	1		
	Node-MH-796 to MH-662			Width	0.9	0.405	
	Base Wall	Sqm Sqm	2.00 4.00			0.125 1.295	3.68 76.15
	Slab	Sqm	4.00		4.9	1.295	72.03
		• •					
	Node-MH-662 to MH-663			Width	0.9		
	Base	Sqm	2.00			0.125	31.53
	Wall Slab	Sqm Sqm	4.00		1.3	1.485	749.03 163.93
		Sym	1.00	120.1	1.3		103.93
	Node-MH-663 to MH-664			Width	0.9		
	Base	Sqm	2.00	36.7		0.125	9.18
	Wall	Sqm	4.00			1.55	227.54
	Slab	Sqm	1.00	36.7	0		0.00
	Node-MH-664 to MH-665			Width	0.9		
	Base	Sqm	2.00		0.0	0.125	6.68
	Wall	Sqm	4.00	26.7		1.525	162.87
	Slab	Sqm	1.00	26.7	1.3		34.71
	Node MU CCE to MU CCC			W/idth			
	Node-MH-665 to MH-666 Base	Sqm	2.00	Width 16.2	0.9	0.125	4.05
	Wall	Sqm	4.00			1.53	99.14
	Slab	Sqm	1.00		1.3		21.06
	Node-MH-666 to MH-667			Width	0.9		01.05
	Base Wall	Sqm Sqm	2.00 4.00			0.125 1.53	21.98 537.95
	Slab	Sqm	4.00		1.3	1.53	<u>537.95</u> 114.27
	• • • • • • • • • • • • • • • • • • •				1.0		
	Node-MH-667 to MH-668			Width	0.9		
	Base	Sqm	2.00		1.5	0.125	6.86
	Wall	Sqm	4.00		0.2	1.665	24.38
	Slab	Sqm	1.00	18.3	1.3	0.15	3.57
				Width	1.2		
	Node-MH-668 to MH-669						40.40
	Node-MH-668 to MH-669 Base	Sqm	2.00			0.125	16.13
	Base Wall	Sqm	4.00	64.5 64.5		0.125 2.385	615.33
	Base			64.5 64.5	1.8		
	Base Wall Slab	Sqm	4.00 1.00	64.5 64.5 64.5	1.8		615.33
	Base Wall Slab Node-MH-669 to MH-670	Sqm Sqm	4.00 1.00	64.5 64.5 64.5 Width		2.385	615.33 116.10
	Base Wall Slab	Sqm	4.00 1.00	64.5 64.5 64.5 Width 37.1	1.8		615.33

lo.	Description	Unit	No's	L	В	Н	Qty.
	Node-MH-670 to MH-671			Width	1.2		
	Base	Sqm	2.00		1.2	0.125	5.28
	Wall	Sqm	4.00	21.1		2.78	234.63
	Slab	Sqm	1.00	21.1	1.8		37.98
	Node-MH-671 to O-78	0	0.00	Width	1.2	0.405	0.05
	Base	Sqm Sqm	2.00 4.00			0.125 2.545	6.85 278.93
	Slab	Sqm	4.00	27.4	1.8	2.545	49.32
	Sidu	Total Leng		476.7	1.0		49.32
		Total Long		110.1			
	Road No.7-Maidan 1st Cross Road						
				Sides	1		
	Node-MH-680 to O-81			Width	0.6		
	Base	Sqm	2.00			0.125	25.78
	Wall Slab	Sqm	4.00	103.1 103.1	1	1.435	591.79 103.10
	Siab	Sqm	1.00	103.1			103.10
	Node-MH-678 to O-80	-		Width	0.6		
	Base	Sqm	2.00			0.125	24.05
	Wall	Sqm	4.00	96.2		1.315	506.01
	Slab	Sqm	1.00		1		96.20
		Total Leng	th=	199.3			
	Devel Ne O Mel Jew Ord Owers Devel	-					
	Road No.8-Maidan 3rd Cross Road			Sides	1		
	Node-MH-682 to MH-683			Width	1 0.9		
	Base	Sqm	2.00	29.9	0.3	0.125	7.48
	Wall	Sqm	4.00	29.9		1.515	181.19
	Slab	Sqm	1.00		1.3		38.87
	Node-MH-683 to MH-684			Width	0.9		
	Base	Sqm	2.00			0.125	11.20
	Wall	Sqm	4.00			1.51	270.59
	Slab	Sqm	1.00	44.8	1.3		58.24
				Width	1.2		
	Node-MH-684 to MH-685 Base	Sqm	2.00		1.2	0.125	16.43
	Wall	Sqm	4.00	65.7		1.81	475.67
	Slab	Sqm	1.00		1.6	1.01	105.12
		Uq		0011			
	Node-MH-685 to MH-686			Width	1.2		
	Base	Sqm	2.00	32.6		0.125	8.15
	Wall	Sqm	4.00	32.6		2.005	261.45
	Slab	Sqm	1.00	32.6	1.6		52.16
				\	1.0		
	Node-MH-686 to MH-691 Base	Sqm	2.00	Width 8.1	1.2	0.125	2.03
	Wall	Sqm	4.00			1.915	62.05
	Slab	Sqm	1.00		1.6		12.96
					-		
	Node-MH-687 to MH-688			Width	0.6		
	Base	Sqm	2.00			0.125	7.80
	Wall	Sqm	4.00			1.22	152.26
	Slab	Sqm	1.00	31.2	1		31.20
	Node-MH-688 to MH-689			Width			
	Base	Sqm	2.00			0.125	13.83
	Wall	Sqm	4.00	55.3		1.32	291.98
	Slab	Sqm	1.00		1	1.02	55.30
	Node-MH-689 to MH-690			Width	0.6		
	Base	Sqm	2.00			0.125	9.38
	Wall	Sqm	4.00			1.555	233.25
	Slab	Sqm	1.00	37.5	1		37.50
	Nada MH 600 ta MH 604			۱۸/۱۸			
	Node-MH-690 to MH-691 Base	Sqm	2.00	Width 51	0.6	0.125	12.75
	Base Wall	Sqm	4.00			1.64	334.56
	Slab	Sqm	1.00		1	1.04	51.00
		Total Leng		356.1			
	Road No.9-Bibi Alabi Road						
				Sides	1		
	Node-MH-692 to MH-693	0	0.00	Width	0.6	0.407	44.44
	Base	Sqm	2.00			0.125	11.98
	Wall Slab	Sqm Sqm	4.00		1	1.735	332.43 47.90
	UIRD	Sqin	1.00	47.9	1		47.90
	Node-MH-693 to MH-680			Width	0.6		
	Base	Sqm	2.00	6	0.0	0.125	1.50
	Wall	Sqm	4.00			1.71	41.04
	Slab	Sqm	1.00		1		6.00
				Width	0.6		
	Node-MH-694 to MH-695						
	Base	Sqm	2.00	12.6		0.125	3.15
		Sqm Sqm		12.6	0.2	0.125 1.365	3.15 13.7

lo.	Description	Unit	No's	L	В	Н	Qty.
				\ A / : altila	0.0		
	Node-MH-695 to MH-696 Base	Sqm	2.00	Width 77.3	0.6	0.125	19.33
	Wall	Sqm	4.00			1.47	454.52
	Slab	Sqm	1.00		1		77.30
	Node-MH-696 to MH-697			Width	0.6		
	Base	Sqm	2.00			0.125	8.03
	Wall	Sqm	4.00			1.34	172.06
	Slab	Sqm	1.00	32.1	1		32.10
	Node-MH-697 to MH-698			Width	0.6		
	Base	Sqm	2.00		0.0	0.125	25.05
	Wall	Sqm	4.00			1.27	509.02
	Slab	Sqm	1.00		1		100.20
	Node-MH-698 to MH-699			Width	0.6		
	Base	Sqm	2.00			0.125	9.10
	Wall	Sqm	4.00		4	1.4	203.84
	Slab	Sqm	1.00	36.4	1		36.40
	Node-MH-699 to MH-700	+ +		Width	0.6		
	Base	Sqm	2.00		0.0	0.125	15.08
	Wall	Sqm	4.00			1.525	367.83
	Slab	Sqm	1.00		1		60.30
	Node-MH-700 to MH-701			Width	0.6		
	Base	Sqm	2.00			0.125	13.35
	Wall	Sqm	4.00			1.475	315.06
	Slab	Sqm	1.00	53.4	1		53.40
_	Noda MH 701 ta O 02	+		W/idth	0.0		
	Node-MH-701 to O-83 Base	Sqm	2.00	Width 27.4	0.6	0.125	6.85
	Wall	Sqm	4.00			1.415	155.08
	Slab	Sqm	1.00		1	1.415	27.40
		Uqiii	1.00	0			21.10
	Node-MH-703 to MH-704			Width	0.9		
	Base	Sqm	2.00			0.125	55.85
	Wall	Sqm	4.00			1.465	1309.12
	Slab	Sqm	1.00	223.4	1.3		290.42
	Node-MH-704 to MH-705			Width	0.9		
	Base	Sqm	2.00			0.125	4.78
	Wall Slab	Sqm	4.00		1.3	1.41	107.72 24.83
_	Siab	Sqm	1.00	19.1	1.3		24.03
_	Node-MH-705 to MH-706	1 1		Width	0.9		
	Base	Sqm	2.00		0.0	0.125	12.08
	Wall	Sqm	4.00			1.395	269.51
	Slab	Sqm	1.00	48.3	1.3		62.79
	Node-MH-706 to MH-707			Width	0.9		
	Base	Sqm	2.00			0.125	23.70
	Wall	Sqm	4.00		1.0	1.305	494.86
_	Slab	Sqm	1.00	94.8	1.3		123.24
-	Node-MH-707 to O-87	+ +		Width	0.9		
	Base	Sqm	2.00		0.9	0.125	16.73
	Wall	Sqm	4.00			1.215	325.13
	Slab	Sqm	1.00		1.3		86.97
		Total Leng	th=	906.1			
	Road 10-Bibi Alabi-Kandak Road	+ +		0.1			
				Sides Width	1 0.6		
_	Node-MH-709 to MH-710 Base	Sqm	2.00		0.6	0.125	15.58
	Wall	Sqm	4.00			1.53	381.28
	Slab	Sqm	1.00		1	1.55	62.30
							02.00
	Node-MH-710 to MH-686			Width	0.6		
	Base	Sqm	2.00	75.3		0.125	18.83
	Wall	Sqm	4.00			1.535	462.34
	Slab	Sqm	1.00	75.3	1		75.30
		+ +		147.141			
_	Node-MH-686 to MH-691	Sam	0.00	Width 8 1	1.2	0.405	0.00
	Base	Sqm Sqm	2.00 4.00			0.125 1.915	2.03 62.05
	Slab	Sqm	1.00		1.6	1.913	12.96
		- Squii	1.00	0.1	1.0		12.30
	Node-MH-691 to MH-711			Width	1.2		
	Base	Sqm	2.00			0.125	7.23
	Wall	Sqm	4.00			1.855	214.44
	Slab	Sqm	1.00		1.6		46.24
				Width	1.2		
	Node-MH-711 to MH-712						
	Base	Sqm	2.00			0.125	10.95
		Sqm Sqm Sqm	2.00 4.00 1.00	43.8	1.6	0.125 1.65	10.95 289.08 70.08

Node-MF-72 to MF-73 to MF-74 Sym Sym Aug Node Node-MF-73 to MF-74 Sym Aug 10.8	Sr. No.	Description	Unit	No's	L	в	н	Qty.
Base Syn 2.00 10.8	01.110.		Unit	110 3				aty.
Viril Sign 4.00 10.01 10.10 1						1.2		
Bits Sign 1.00 1.02 1.12								2.70
Node-MH-713 to MH-714 Yugh 12 Vector Box Sign 2.00 252 1.22 1.23 Box Sign 2.00 252 1.6 1.535 Sish Sign 2.00 252 1.6 4.0 Mode-MH-714 to MH-715 Sign 4.00 542 1.551 505 Sish Sign 4.00 542 1.515 506 Node-MH-715 to MH-716 Sign 4.00 2.0.157 7.0 Sign 4.00 2.6.6 1.5.16 7.5 Sign 4.00 2.6.6 1.5.16 7.7 Wall Sign 4.00 2.6.6 1.5.16 7.5 Sign 4.00 2.0.3 1.6 1.5.16 7.5 Sign 4.00 2.0.3 1.6 1.5.16 7.5 Sign Sign 4.00 2.0.3 1.1.5 1.5.15 7.5 Sign Sign Sign 1.00 1.5.1						1.6	1.55	66.96 17.28
Base Syn Z00 25.2 0.128 6. Viral Syn 100 Z5.2 1 5.5 1.6 Date Syn 100 Z5.2 1 5.5 1.6 Date Syn 200 54.2 1 0.128 5.5 Date Syn 200 54.2 1.6 1.128 5.6 Date Syn 200 54.2 1.6 1.128 5.6 Node-MH-715 Syn 200 54.2 1.6 1.128 7.6 Syn 200 54.2 1.6 1.28 7.6 7.6 Syn 200 200 22.8 1.6 1.28 7.7 Syn 4.00 20.3 1.5 1.22 7.7 3.15 1.22 7.7 Syn 4.00 7.33 1.00 1.28 7.6 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5		Glab	Oqiii	1.00	10.0	1.0		17.20
Vial Sign 4.00 25.2 1.5.8 1.5.9 Sile Sign 1.00 25.2 1.6 4.00 Sile Sign 1.00 25.2 1.6 4.0 Base Sign 4.00 54.2 1.0.5 1.5 Wall Sign 4.00 54.2 1.0.5 6.0 Node-MH-715 to MH-716 Wash 1.2 - 6.0 Base Sign 4.00 2.86 1.0.12 7.0 Wash Sign 4.00 2.86 1.0.12 7.0 Wash Sign 4.00 2.86 1.0.12 7.0 Wash Sign 1.00 2.80 1.0.12 7.0 Base Sign 1.00 2.80 1.1.5 1.5 Base Sign 1.00 2.81 1.6 1.5 Mode-MH-717 to MH-718 Wash 1.2 - 7.0 1.5 2.0 Mode-MH-718 to MH-729 <t< td=""><td></td><td>Node-MH-713 to MH-714</td><td></td><td></td><td>Width</td><td>1.2</td><td></td><td></td></t<>		Node-MH-713 to MH-714			Width	1.2		
Sign 1.00 2.22 1.6 4.0 Node-MP-714 to MP-715 9 Wolts 1.2 1.15 Will Sgm 2.00 Wolts 4.21 1.15 3.28 Sub Sgm 1.00 6.42 1.01 1.01 1.01 Made MM-716 to MP-716 Wolts Made MM-716 Wolts 1.2 1.15 7.15 Sam Sgm 1.00 2.02 2.06 1.15 1.75 Sam Sgm 1.00 2.02 1.15 1.15 1.75 Sam Sgm 1.00 2.02 2.03 1.15								6.30
Node-MH-714 to MH-719 Control Start Contro Start <thcontret< th=""></thcontret<>							1.535	154.73
Base Sym 2.00 6.42 0.128 13 Wal Sym 4.00 M.2 1.515 322 Bibs Sym 4.00 M.2 1.515 322 Bibs Sym 4.00 M.2 1.515 322 Bibs Sym 2.00 2.5.5 0.125 7. Wal Sym 4.00 2.6.6 1.1516 17.3 Bibs Sym 4.00 2.6.5 1.1516 17.3 Bibs Sym 4.00 2.0.5 1.6 1.2 Bibs Sym 4.00 2.0.3 1.6 1.2 Bibs Sym 4.00 2.0.3 1.6 1.2 Bibs Sym 4.00 2.0.3 1.6 1.2 Bibs Sym 4.00 6.07 1.6 1.2 Wal Sym 4.00 6.07 1.6 1.2 Wal Sym 4.00 6.07	-	Slab	Sqm	1.00	25.2	1.6		40.32
Base Sym 2.00 6.42 0.128 13 Wal Sym 4.00 M.2 1.515 322 Bibs Sym 4.00 M.2 1.515 322 Bibs Sym 4.00 M.2 1.515 322 Bibs Sym 2.00 2.5.5 0.125 7. Wal Sym 4.00 2.6.6 1.1516 17.3 Bibs Sym 4.00 2.6.5 1.1516 17.3 Bibs Sym 4.00 2.0.5 1.6 1.2 Bibs Sym 4.00 2.0.3 1.6 1.2 Bibs Sym 4.00 2.0.3 1.6 1.2 Bibs Sym 4.00 2.0.3 1.6 1.2 Bibs Sym 4.00 6.07 1.6 1.2 Wal Sym 4.00 6.07 1.6 1.2 Wal Sym 4.00 6.07		Node-MH-714 to MH-715			Width	12		
Wall Sgn 4.00 9.42 1.516 328 Stab Sgn 1.00 9.42 1.6 98 Node-Mh-Y15 to Mh-Y16 P With 1.2 P Stace Sgn 4.00 26.6 1.516 7.7 Wall Sgn 4.00 26.6 1.516 7.7 Stace Sgn 4.00 26.6 1.516 7.7 Stace Sgn 4.00 20.3 1.516 7.2 Base Sgn 4.00 20.3 1.516 7.2 Wall Sgn 4.00 1.3 1.516 7.2 State Sgn 4.00 1.3 1.516 7.2 Wall Sgn 4.00 1.3 1.516 7.2 Wall Sgn 4.00 0.7 1.6 1.516 7.2 Wall Sgn 4.00 6.07 1.6 1.516 7.2 Wall Sgn 4.			Sam	2.00		1.2	0.125	13.55
Node-MH-715 00 MH-716 With 1.2 Base Spm 2.00 28.6 0.125 7. Base Spm 2.00 28.6 0.126 7. Base Spm 1.00 28.6 1.16 1.75 1.75 Base Spm 2.00 20.3 1.01 1.25 1.75 Base Spm 2.00 20.3 1.01 1.25 1.75<								328.45
Base Sym 2.00 28.6 0.136 7. Wald Sym 4.00 28.6 1.516 7.5 Base Sym 1.00 22.0 20.3 1.516 7.5 Base Sym 2.00 20.3 1.516 7.5 Wald Sym 2.00 20.3 1.516 7.5 Wald Sym 1.00 20.3 1.516 7.6 NodeMH-718 Sym 1.00 20.3 1.516 5.6 Base Sym 2.00 11.3 1.515 5.6 Sam 4.00 11.3 1.515 5.6 1.55<		Slab		1.00	54.2	1.6		86.72
Base Sym 2.00 28.6 0.136 7. Wald Sym 4.00 28.6 1.516 7.5 Base Sym 1.00 22.0 20.3 1.516 7.5 Base Sym 2.00 20.3 1.516 7.5 Wald Sym 2.00 20.3 1.516 7.5 Wald Sym 1.00 20.3 1.516 7.6 NodeMH-718 Sym 1.00 20.3 1.516 5.6 Base Sym 2.00 11.3 1.515 5.6 Sam 4.00 11.3 1.515 5.6 1.55<					140.14			
Wall Spn 4.00 28.6 1.515 17.7 Slab Spn 1.00 28.6 1.6 4.56 Base Sym 2.00 22.8 1.6 4.57 Base Sym 2.00 22.3 1.6 1.22 Slab Sym 1.00 22.3 1.6 1.22 Wall Sym 1.00 22.3 1.6 1.22 Wall Sym 1.00 22.3 1.6 1.22 Wall Sym 1.00 11.3 1.2 1.2 Wall Sym 1.00 11.3 1.515 5.8 Slab Sym 1.00 5.7 1.2 1.2 1.2 Wall Sym 1.00 5.57 1.015 5.07 1.015 5.07 Wall Sym 1.00 5.55 1.015 5.07 1.015 5.07 Wall Sym 1.00 5.55 1.012 1.012			Cam	2.00		1.2	0 125	7 1 5
Stab Som 1.00 286 1.5 4.5 Node MH-716 to MH-717 Som 2.00 With 1.2 0.128 5.1 With Som 4.00 2.00 2.00 2.00 1.51 3.2 Node MH-717 to MH-718 Som 2.00 With 1.2 0.128 2.0 Stab Som 2.00 With 1.2 0.128 2.0 Stab Som 2.00 With 1.2 0.153 1.25 2.00 Stab Som 2.00 111.3 1.51 0.55 2.0 Base Som 2.00 1.12 1.15 0.155 3.0 Base Som 2.00 1.5 1.55 3.0 1.55 3.0 Node MH-716 to MH-719 MH-720 MH-720 MH-720 1.5 1.55 3.0 Node MH-719 to MH-720 Som 2.00 34.5 1.55 3.0 Node MH-721 to MH-720 Som								173.32
Node-MH-716 to MH-717 Sqn Wich 1.2 Biss Sqn 4.00 2.03 2.0125 5.1 Wail Sqn 1.00 2.03 1.61 2.2 Biss Sqn 1.00 2.03 1.61 2.2 Biss Sqn 1.00 2.03 1.61 2.2 Wail Sqn 1.00 1.13 1.55 5.6 Side Sqn 2.00 11.13 1.65 1.6 Node-MH-718 to MH-719 Wich 1.2 1.6 1.61 1.61 Base Sqn 4.00 5.07 1.515 2.0 Wail Sqn 4.00 5.07 1.516 2.0 Base Sqn 4.00 34.5 1.516 6.0 Sub Sqn 1.00 34.5 1.51 5.0 Read 11 Maidan 4th Cross Road Extn Sqn 4.00 34.5 1.51 5.0 Read 11 Maidan 4th Cross Road Extn Sqn						1.6	1.010	45.76
Base Sym 2.00 20.3 0.135 6.0 Wall Sym 4.00 20.3 1.61 1.22 Node MH-717 to MH-718 Sym 1.00 20.3 1.61 1.22 Wall Sym 2.00 11.3 2.01 1.12 1.125 2.01 Wall Sym 4.00 11.3 1.6 1.6 1.81 1.85 Base Sym 4.00 1.1 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.51 1.6 1.51 1.50 1.5 1.55			• • •					1011 0
Wall Som 4.00 20.3 1.51 1.21 Node-MH-71 to MH-718 Som 1.00 20.3 1.6 9.22 Wall Som 4.00 1.13 1.12 0.125 2.2 Wall Som 4.00 1.13 1.15 6.8 Sibb Som 4.00 1.13 1.6 1.95 6.8 Node-MH-716 to MH-719 Som 2.00 60.7 1.0 1.15 3.0 Node-MH-719 to MH-720 Som 2.00 8.45 1.15 2.0 Sib Som 2.00 3.45 1.15 2.0 Sib Som 2.00 3.45 1.15 2.0 Sib Som 2.00 3.45 1.5 2.0 Sib Som 2.00 3.45 1.5 2.0 Sib Som 2.00 3.45 1.5 2.0 Wall Som 2.00 3.6 1.5 2.0						1.2		
Slab Sgm 1.00 20.3 1.6 20.3 Node-MH-71 to MH-716 Wdfh 1.2 Wdfh 1.2 Base Stm 2.00 11.3 0.128 2.2 Call Stm 2.00 11.3 1.6 1.75 2.0 Stm Stm 2.00 1.13 1.6 1.75 2.0 Stm Stm Stm 2.00 6.07 0.125 1.2 Wall Stm Stm 2.00 6.07 0.125 1.2 Wall Stm Stm 1.00 6.07 1.6 6.1 Base Stm 4.00 5.07 0.125 8.1 0.125 8.1 Wall Stm 2.00 4.45 1.16 5.5 1.5								5.08
Node-MH-717 to MH-718 Width 1 <td></td> <td></td> <td></td> <td></td> <td></td> <td>4.0</td> <td>1.51</td> <td>122.61</td>						4.0	1.51	122.61
Base Sym 2.00 11.3 0.125 2.2. Wall Sym 4.00 11.3 1.6 15 8 Slab Sym 1.00 11.3 1.6 15 8 Node-MH-719 to MH-719 Sym 2.00 Width 1.2 1.6 15 30 Wall Sym 1.00 50.7 1.6 1.5 30 Skb Sym 1.00 50.7 1.6 1.5 30 Node-MH-719 to MH-720 Width 1.2 4.00 34.5 0.125 0. Wall Sym 1.00 50.7 1.6 1.5 2.6 Wall Sym 1.00 34.5 1.5 2.6 0. 1.5 2.6 0. 1.5 2.6 0. 1.5 2.6 0. 0.5 0. 1.5 2.6 0. 1.5 2.6 0. 0.5 0. 0.5 0.5 0. 0.5 0.0		SIAD	Sqm	1.00	20.3	1.6		32.48
Base Sym 2.00 11.3 0.125 2.2. Wall Sym 4.00 11.3 1.6 15 8 Sub Sym 1.00 11.3 1.6 15 8 Sub Sym 2.00 Width 1.2 1.6 </td <td><u> </u></td> <td>Node-MH-717 to MH-718</td> <td></td> <td></td> <td>Width</td> <td>12</td> <td></td> <td></td>	<u> </u>	Node-MH-717 to MH-718			Width	12		
Wall Sam 4.00 11.3 1.515 58.5 Sibi Sam 1.00 11.3 1.6 18. Node-MH-718 to MH-719 Sam 2.00 50.7 0.125 12 Base Sam 2.00 50.7 1.61 30.7 Node-MH-719 to MH-720 Sam 2.00 34.5 0.125 12 Base Sam 2.00 34.5 0.125 12 12 Base Sam 4.00 34.5 1.13 0.125 12 Wall Sam 4.00 34.5 1.13 0.125 1.13 Wall Sam 4.00 34.5 1.13 0.125 1.00 Sam Foot Langing Foot Langing 4.00 34.5 1.13 0.125 1.00 Sam Foot Langing Sam 4.00 4.00 1.12 1.00 1.12 1.00 1.12 1.12 1.12 1.12 1.12 1.12 1.12			Sqm	2.00		1.2	0.125	2.83
Stab Sgm 1.00 11.3 1.6 11.3 Node-MH-718 to MH-719 Sgm 2.00 50.7 0.125 12 Wall Sgm 4.00 50.7 0.125 12 Wall Sgm 4.00 50.7 1.518 30.7 Stab Sgm 4.00 50.7 1.518 30.7 Base Sgm 4.00 50.7 1.518 30.7 Base Sgm 4.00 50.7 1.51 30.8 Wall Sgm 4.00 34.5 1.51 20.8 Stab Sgm 1.00 34.5 1.61 35.8 Road 11-Maidan 4th Cross Road-Extn Sgm 2.00 43.8 0.125 10 Wall Sgm 2.00 43.8 0.125 10 Wall Sgm 2.00 43.8 0.125 11 Node-MH-721 to MH-723 Sgm 2.00 43.8 0.125 1 Wall	L							68.48
Base Sqn 2.00 50.7 0.128 12 Wal Sqn 4.00 50.7 1.515 30.7 Stab Sqn 1.00 50.7 1.6 81. Node-MH-719 to MH-720 Width 1.2 81. 81. Wall Sqn 4.00 34.5 1.61 85. Wall Sqn 4.00 34.5 1.61 85. Wall Sqn 4.00 34.5 1.61 85. Stab Sqn 4.00 34.5 1.6 85. Road 11-Maidan 4th Cross Road-Extn Viol Longth# 454 - - Roade-MH-721 to MH-722 Width 0.6 1.22 10. Base Sgn 4.00 43.8 1.22 10. Base Sgn 4.00 43.8 1.22 10. Stab Sgn 4.00 31 0.125 1. Node-MH-723 to MH-724 MH-723 Midth						1.6		18.08
Base Sqn 2.00 50.7 0.128 12 Wal Sqn 4.00 50.7 1.515 30.7 Stab Sqn 1.00 50.7 1.6 81. Node-MH-719 to MH-720 Width 1.2 81. 81. Wall Sqn 4.00 34.5 1.61 85. Wall Sqn 4.00 34.5 1.61 85. Wall Sqn 4.00 34.5 1.61 85. Stab Sqn 4.00 34.5 1.6 85. Road 11-Maidan 4th Cross Road-Extn Viol Longth# 454 - - Roade-MH-721 to MH-722 Width 0.6 1.22 10. Base Sgn 4.00 43.8 1.22 10. Base Sgn 4.00 43.8 1.22 10. Stab Sgn 4.00 31 0.125 1. Node-MH-723 to MH-724 MH-723 Midth								
Wall Sgm 4.00 50.7 1.515 307 Slab Sgm 1.00 50.7 1.6 91 Node-MH-719 to MH-720 Sgm 2.00 34.5 0.125 8. Wall Sgm 4.00 34.5 0.125 8. Stab Sgm 1.00 34.5 1.6 55 Total Length 4454 55 56 56 56 Road 11-Maidan 4th Cross Road-Extn Sides 1 56 57 Node-MH-721 to MH-722 Sides 1 212 213 Baseo Sgm 1.00 43.8 1.22 213 Wall Sgm 4.00 43.8 1.22 213 Stab Sgm 4.00 31 0.125 7. Wall Sgm 4.00 31 0.125 7. Stab Sgm 4.00 25.5 0.125 1.24 25 Wall Sgm 4.00						1.2		
Slab Sign 1.00 50.7 1.6 81. Node-MH-719 to MH-720 0 34.5 0.125 81. Base Sqm 4.00 34.5 0.125 81. Wail Sqm 1.00 34.5 1.51 205 Slab Sqm 1.00 34.5 1.51 205 Node-MH-721 to MH-722 Sides 1 1 1 1 Node-MH-721 to MH-722 Sides 1 2.22 13. 1.122 13. Node-MH-721 to MH-722 Sigm 2.00 43.8 1 1.22 12.2 13. Node-MH-721 to MH-723 Sqm 2.00 43.8 1 1.22 1.22 13. 1.212 1.22 1.23 1.22 1.22 1.23 1.22 1.23 1.22 1.22 1.22 1.22 1.22 1.22 1.22 1.22 1.22 1.22 1.22 1.25 1.22 1.22 1.25 1.22 1.22	<u> </u>							12.68
Node-MH-719 to MH-720 Width 1.2 Base Sqm 2.00 34.5 0.125 6. Wall Sqm 4.00 34.5 0.125 6. Stab Sqm 1.00 34.5 1.6 55 Read 11-Maidan 4th Cross Read-Extn Fotal Length= 454 6 Road 11-Maidan 4th Cross Read-Extn Stdes 1 7 Base Sgm 2.00 43.8 1.22 213 Base Sgm 4.00 43.8 1.22 213 Stab Sgm 4.00 43.8 1.22 213 Stab Sqm 4.00 43.8 1.22 73 Stab Sqm 4.00 31 1.216 165 Base Sqm 2.00 43.8 1.22 17.5 Stab Sqm 4.00 31 1.216 165 Stab Sqm 4.00 31 1.216 165 Wall						1.6	1.515	307.24 81.12
Base Sqm 2.00 34.5 0.125 8.3 Wail Sqm 1.00 34.5 1.6 52 Total Length= 445 1.6 52 Rood 11-Maidan 4th Cross Road-Extn 1 1 1 1 Node-MH-721 to MH-722 Width 0.6 0.125 1 Base Sqm 4.00 43.8 1.122 213 Slab Sqm 0.00 43.8 1.122 213 Slab Sqm 1.00 44.8 1 233 Node-MH-722 to MH-723 Width 0.6 1 433 Node-MH-722 to MH-723 Width 0.6 1 1.1 1.1 Base Sqm 2.00 31 0.125 7. Wail Sqm 2.00 31 0.125 1 2.5 Slab Sqm 1.00 2.55 0.125 6. 1.24 25 Waii Sqm 1.00 25		Siab	Sqm	1.00	50.7	1.0		01.12
Base Sqm 2.00 34.5 0.125 8.3 Wail Sqm 1.00 34.5 1.6 52 Total Length= 445 1.6 52 Rood 11-Maidan 4th Cross Road-Extn 1 1 1 1 Node-MH-721 to MH-722 Width 0.6 0.125 1 Base Sqm 4.00 43.8 1.122 213 Slab Sqm 0.00 43.8 1.122 213 Slab Sqm 1.00 44.8 1 233 Node-MH-722 to MH-723 Width 0.6 1 433 Node-MH-722 to MH-723 Width 0.6 1 1.1 1.1 Base Sqm 2.00 31 0.125 7. Wail Sqm 2.00 31 0.125 1 2.5 Slab Sqm 1.00 2.55 0.125 6. 1.24 25 Waii Sqm 1.00 25		Node-MH-719 to MH-720			Width	12		
Wall Sqm 4.00 3.4.5 1.6 5.57 Slab Total Length 4.5 1.6 5.57 Read 11-Maidan 4th Cross Road-Extn Sldos 1 5.57 Mode-MH-721 to MH-722 Sldos 1 5.57 Base Sqm 2.00 43.8 0.125 10. Wall Sqm 4.00 43.8 1.22 21.0 Wall Sqm 1.00 43.8 1.22 21.0 Wall Sqm 4.00 43.8 1.22 21.0 Wall Sqm 4.00 43.8 1.22 21.0 Slab Sqm 1.00 43.1 1.22 21.0 Wall Sqm 1.00 31 1.22 21.0 Slab Sqm 4.00 31 1.21.5 15.0 Slab Sqm 2.00 25.5 0.126 6.1 Wall Sqm 2.00 25.5 1.24 12.4			Sqm	2.00			0.125	8.63
Total Lengthe 454 Road 11-Maidan 4th Cross Road-Extn								208.38
Road 11-Maidan 4th Cross Road-Extn Sides 1 Node-MH-721 to MH-722 Sides 1 Node-MH-721 to MH-722 Sides 1 Stab Sgm 4.00 43.8 0.125 1 Width 0.6 Sgm 4.00 43.8 1.22 213 Stab Sgm 1.00 43.8 1 22 13 Node-MH-722 to MH-723 Sgm Width 0.6 - - Base Sgm 2.00 31 0.125 7. Wail Sgm 1.00 31 1.215 155 Stab Sgm 1.00 31 1.215 157 Wail Sgm 1.00 25.5 1.22 125 Node-MH-723 to MH-724 Sgm 4.00 25.5 1.22 125 Node-MH-725 to MH-725 Sgm Width 0.6 255 1.22 125 Node-MH-725 to MH-713 Sgm 4.00 59 1.44		Slab				1.6		55.20
Node-MH-721 to MH-722 Sides 1 Base Sqm 2.00 43.8 0.125 10 Wall Sqm 4.00 43.8 1.122 213 Slab Sqm 4.00 43.8 1.22 213 Slab Sqm 1.00 43.8 1 4.32 Node-MH-722 to MH-723 Width 0.6 - - Base Sqm 4.00 31 1.1215 150 Slab Sqm 4.00 31 1.1215 150 Slab Sqm 1.00 2.5 0.125 6. Wall Sqm 4.00 2.5 1.22 1.22 Slab Sqm 4.00 2.5 1.22 1.22 Slab Sqm 4.00 2.5 1.22 1.22 Slab Sqm 1.00 2.5 1.22 1.22 Node-MH-724 to MH-725 Width 0.6 - - Base </td <td></td> <td></td> <td>Total Leng</td> <td>gth=</td> <td>454</td> <td></td> <td></td> <td></td>			Total Leng	gth=	454			
Node-MH-721 to MH-722 Sides 1 Base Sqm 2.00 43.8 0.125 10 Wall Sqm 4.00 43.8 1.122 213 Slab Sqm 4.00 43.8 1.22 213 Slab Sqm 1.00 43.8 1 4.32 Node-MH-722 to MH-723 Width 0.6 - - Base Sqm 4.00 31 1.1215 150 Slab Sqm 4.00 31 1.1215 150 Slab Sqm 1.00 2.5 0.125 6. Wall Sqm 4.00 2.5 1.22 1.22 Slab Sqm 4.00 2.5 1.22 1.22 Slab Sqm 4.00 2.5 1.22 1.22 Slab Sqm 1.00 2.5 1.22 1.22 Node-MH-724 to MH-725 Width 0.6 - - Base </td <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	-							
Node-MH-721 to MH-722 Width 0.6		Road 11-Maidan 4th Cross Road-Extn			Sidee	1		
Base Sqm 2.00 43.8 0.125 10 Wall Sqm 4.00 43.8 1.22 213 Slab Sqm 1.00 43.8 1 43.8 Node-MH-722 to MH-723 Width 0.6 - - Base Sqm 2.00 31 1.22 213 Wall Sqm 4.00 31 1.22 512 Base Sqm 4.00 31 1.25 150 Slab Sqm 4.00 31 1.25 150 Node-MH-723 to MH-724 Width 0.6 - - Wall Sqm 4.00 25.5 1.24 122 Slab Sqm 4.00 25.5 1.24 122 Slab Sqm 4.00 25.5 1.24 122 Slab Sqm 2.00 59 1.46 344 Slab Sqm 4.00 59 1.46 344		Nodo-MH-721 to MH-722				1		
Wall Sgm 4.00 43.8 1.22 21.2 Stab Sgm 1.00 43.8 1 1.43 Node-MH-722 to MH-723 Width 0.6 1 1.125 15.0 Base Sgm 2.00 31 0.125 1.7 Wall Sgm 4.00 31 1 1.215 150 Stab Sgm 4.00 31 1 1.215 150 Node-MH-723 to MH-724 Width 0.6 1 1 1.1 1.1 Node-MH-723 to MH-724 Width 0.6 1 2.55 1 2.25 1 2.25 1 2.25 1 2.25 1 2.25 1 2.25 1 2.25 1 2.26 1.44 1.42 1.41 1.42 1.41 1.42 1.41 1.41 1.41 1.41 1.41 1.41 1.41 1.41 1.41 1.41 1.41 1.41 1.41 1.41 1.41			Sam			0.0	0.125	10.95
Slab Sign 1.00 43.8 1 43 Node-MH-723 to MH-723 Width 0.6 Width 0.6 1 1.215 150 Base Sgm 4.00 31 1.215 150 Slab Sgm 4.00 31 1.215 150 Slab Sgm 1.00 31 1 1.215 150 Base Sgm 1.00 31 1 1.215 150 Wall 0.6 Width 0.6 1.225 0.125 6.124 122 Slab Sgm 4.00 25.5 1 2.26 1.2								213.74
Node-MH-722 to MH-723 Width 0.6 Base Sgm 2.00 31 0.125 7.7 Wall Sgm 4.00 31 1.215 155 Slab Sgm 1.00 31 1 1.215 155 Node-MH-723 to MH-724 Sgm 1.00 31 1 1.215 6.7 Base Sgm 2.00 25.5 0.125 6. 1.24 126 Wall Sgm 4.00 25.5 1 2.5 1.24 126 Slab Sgm 1.00 25.5 1 2.5 1.44 126 Base Sgm 2.00 59 0.125 14 2.6 Base Sgm 4.00 59 1.46 34 Wall Sgm 4.00 59 1.46 34 Slab Sgm 4.00 59 1.46 34 Wall Sgm 1.00 59 1.46			Sqm			1		43.80
Base Sqm 2.00 31 0.125 7. Wall Sqm 4.00 31 1.215 150 Stab Sqm 1.00 31 1 31 1.215 150 Stab Sqm 1.00 31 1 31 1 31 Node-MH-723 to MH-724 MH-724 Width 0.6 25.5 0.125 6. Base Sqm 4.00 25.5 1 2.4 124 125 Node-MH-724 to MH-725 Sqm 1.00 25.5 1 2.5 1 2.5 1 2.5 1 2.6 1 2.6 1 4.00 1.46 34 Wall Sqm 1.00 59 1 4.00 59 1 59 1 59 1 59 1.46 34 33 1.775 2.33 Siab 59 1 59 1.46 34 1.60 33.8 1.775 2.33								
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Slab Sqm 1.00 31 1 31. Node-MH-723 to MH-724 Vidth 0.6 - - Base Sqm 2.00 25.5 0.125 6.7 Wall Sqm 4.00 25.5 1.24 125 Node-MH-724 to MH-725 Width 0.6 - - Base Sqm 2.00 59 0.125 1.4 25.5 Node-MH-724 to MH-725 MH-725 Width 0.6 - <								7.75
Node-MH-723 to MH-724 Width 0.6 Base Sqm 2.00 25.5 0.125 6.1 Wall Sqm 4.00 25.5 1.24 126 Slab Sqm 1.00 25.5 1.24 126 Slab Sqm 1.00 25.5 1 25.5 Node-MH-724 to MH-725 Width 0.6 1 25.5 Base Sqm 2.00 59 0.125 14. Wall Sqm 4.00 59 1.46 34. Slab Sqm 1.00 59 1 45. Node-MH-725 to MH-713 Width 0.6 1 58 Base Sqm 2.00 33.8 0.1255 8. Wall Sqm 1.00 33.8 1.775 28. Wall Sqm 1.00 33.8 1 1 33. Node-MH-726 to MH-727 Width 0.6 1 1 1 <t< td=""><td></td><td></td><td></td><td></td><td></td><td>1</td><td>1.215</td><td>150.66</td></t<>						1	1.215	150.66
Base Sqm 2.00 25.5 0.125 6.124 Wall Sqm 4.00 25.5 1.24 126 Slab Sqm 1.00 25.5 1 25 Node-MH-724 to MH-725 Midth 0.6 25 1 25 Base Sqm 2.00 59 0.125 14 34 Wall Sqm 4.00 59 1.46 344 Slab Sqm 1.00 59 1.46 344 Slab Sqm 1.00 59 1.46 344 Slab Sqm 4.00 59 1.46 344 Slab Sqm 4.00 33.8 1.775 258 Wall Sqm 4.00 33.8 1.775 238 Slab Sqm 4.00 33.8 1 33 Mall Sqm 4.00 39.7 1.22 193 Slab Sqm 4.00 39		Siab	Sqm	1.00	31	I		31.00
Base Sqm 2.00 25.5 0.125 6.124 Wall Sqm 4.00 25.5 1.24 126 Slab Sqm 1.00 25.5 1 25 Node-MH-724 to MH-725 Midth 0.6 25 1 25 Base Sqm 2.00 59 0.125 14 34 Wall Sqm 4.00 59 1.46 344 Slab Sqm 1.00 59 1.46 344 Slab Sqm 1.00 59 1.46 344 Slab Sqm 4.00 59 1.46 344 Slab Sqm 4.00 33.8 1.775 258 Wall Sqm 4.00 33.8 1.775 238 Slab Sqm 4.00 33.8 1 33 Mall Sqm 4.00 39.7 1.22 193 Slab Sqm 4.00 39		Node-MH-723 to MH-724			Width	0.6		
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Node-MH-724 to MH-725 Width 0.6 Base Sqm 2.00 59 0.125 14. Wall Sqm 4.00 59 1.46 344 Slab Sqm 1.00 59 1.46 344 Wall Sqm 2.00 33.8 0.125 8. Wall Sqm 2.00 33.8 1.775 238 Slab Sqm 1.00 33.8 1 33 Node-MH-726 to MH-727 Width 0.6 Base Sqm 2.00 39.7 0.125 9. Wall Sqm 2.00 39.7 0.125 9. 1.22 193 31 35 Mode-MH-727 to MH-728 Width 0.6 Base Sqm 1.00					25.5			126.48
Base Sqm 2.00 59 0.125 14, Wail Sqm 4.00 59 1.46 344 Stab Sqm 1.00 59 1 59 Node-MH-725 to MH-713 Width 0.6 59 1 59 Wail Sqm 2.00 33.8 0.125 8. Wail Sqm 4.00 33.8 1.775 238 Stab Sqm 4.00 33.8 1.775 238 Stab Sqm 4.00 33.8 1.775 238 Stab Sqm 1.00 33.8 1.775 238 Stab Sqm 2.00 33.8 1.775 238 Wail Sqm 2.00 39.7 1.22 193 Wail Sqm 2.00 39.7 1.22 193 Stab Sqm 1.00 39.7 1.22 193 Stab Sqm 4.00 41.7		Slab	Sqm	1.00	25.5	1		25.50
Base Sqm 2.00 59 0.125 14, Wail Sqm 4.00 59 1.46 344 Stab Sqm 1.00 59 1 59 Node-MH-725 to MH-713 Width 0.6 59 1 59 Wail Sqm 2.00 33.8 0.125 8. Wail Sqm 4.00 33.8 1.775 238 Stab Sqm 4.00 33.8 1.775 238 Stab Sqm 4.00 33.8 1.775 238 Stab Sqm 1.00 33.8 1.775 238 Stab Sqm 2.00 33.8 1.775 238 Wail Sqm 2.00 39.7 1.22 193 Wail Sqm 2.00 39.7 1.22 193 Stab Sqm 1.00 39.7 1.22 193 Stab Sqm 4.00 41.7					140.10			
Wall Sqm 4.00 59 1.46 344 Slab Sqm 1.00 59 1 59 Node-MH-725 to MH-713 Width 0.6 59 1 59 Base Sqm 2.00 33.8 0.125 8. Wall Sqm 4.00 33.8 1.775 233 Slab Sqm 1.00 33.8 1 75 Wall Sqm 4.00 33.8 1 75 Node-MH-726 to MH-727 Width 0.6 6 9.9 Wall Sqm 2.00 39.7 0.125 9.9 Wall Sqm 1.00 39.7 1.22 193 Slab Sqm 1.00 39.7 0.125 9.9 Wall Sqm 1.00 39.7 0.125 10.0 Wall Sqm 1.00 39.7 0.125 10.0 Wall Sqm 1.00 41.7 1.2	<u> </u>		0			0.6	0.405	4 4 75
Slab Sqm 1.00 59 1 59. Node-MH-725 to MH-713 Width 0.6 Base Sqm 2.00 33.8 0.125 8. Wall Sqm 4.00 33.8 1.775 233 Slab Sqm 1.00 33.8 1.775 233 Node-MH-726 to MH-727 Sqm 1.00 33.8 1 33 Nade-MH-726 to MH-727 Wall Sqm 2.00 39.7 0.125 9. Wall Sqm 4.00 39.7 1.22 193 Slab Sqm 1.00 39.7 1.22 193 Slab Sqm 4.00 39.7 1.22 193 Slab Sqm 4.00 39.7 1.22 193 Male Sqm 4.00 39.7 1.22 193 Male Sqm 1.00 41.7 0.125 104 Male Sqm 1.00								14.75 344.56
Node-MH-725 to MH-713 Midth 0.6 Base Sqm 2.00 33.8 0.125 8. Wall Sqm 4.00 33.8 1.775 239 Slab Sqm 1.00 33.8 1 33 Node-MH-726 to MH-727 Width 0.6 Base Sqm 2.00 39.7 0.125 9. Wall Sqm 2.00 39.7 0.125 9. Wall Sqm 4.00 39.7 0.125 9. Wall Sqm 4.00 39.7 1.22 193 Slab Sqm 1.00 39.7 0.9 5 Node-MH-727 to MH-728 Width 0.6 Base Sqm 2.00 41.7 0.125 10. Wall Sqm 4.00 41.7 1.225 204 Slab Sqm 2.00 91.7 0.125 10. Wall						1	1.40	59.00
Base Sqm 2.00 33.8 0.125 8. Wall Sqm 4.00 33.8 1.775 233 Slab Sqm 1.00 33.8 1.775 233 Node-MH-726 to MH-727 Width 0.6 9.1 33.8 1 33.8 Wall Sqm 2.00 39.7 0.125 9.1 9.1 Wall Sqm 2.00 39.7 0.125 9.1 9.1 1.22 193 Slab Sqm 4.00 39.7 0.125 9.1 35.1 Wall Sqm 1.00 39.7 0.22 193 Slab Sqm 1.00 39.7 0.22 193 Wall Sqm 1.00 39.7 0.125 10.1 Wall Sqm 2.00 41.7 1.225 204 Slab Sqm 4.00 41.7 1.225 204 Slab Sqm 1.00 41.7				1.00				
Base Sqm 2.00 33.8 0.125 8. Wall Sqm 4.00 33.8 1.775 233 Slab Sqm 1.00 33.8 1.775 233 Node-MH-726 to MH-727 Width 0.6 9.1 33.8 1 33.8 Wall Sqm 2.00 39.7 0.125 9.1 9.1 Wall Sqm 2.00 39.7 0.125 9.1 9.1 1.22 193 Slab Sqm 4.00 39.7 0.125 9.1 35.1 Wall Sqm 1.00 39.7 0.22 193 Slab Sqm 1.00 39.7 0.22 193 Wall Sqm 1.00 39.7 0.125 10.1 Wall Sqm 2.00 41.7 1.225 204 Slab Sqm 4.00 41.7 1.225 204 Slab Sqm 1.00 41.7		Node-MH-725 to MH-713	1		Width	0.6		
Slab Sqm 1.00 33.8 1 33.8 Node-MH-726 to MH-727 Width 0.6 October Base Sqm 2.00 39.7 0.125 9.9 Wall Sqm 4.00 39.7 1.22 193 Slab Sqm 1.00 39.7 0.125 9.9 Node-MH-727 to MH-728 Sqm 4.00 39.7 0.9 35.7 Node-MH-727 to MH-728 Midth 0.6 October 39.7 0.9 35.7 Node-MH-728 to MH-728 Midth 0.6 October 39.7 0.125 10.0 Wall Sqm 2.00 41.7 0.125 10.0 Wall Sqm 4.00 41.7 1.225 204 Slab Sqm 1.00 41.7 1.225 204 Slab Sqm 1.00 41.7 1.225 204 Mode-MH-728 to MH-729 Width 0.9 20.2 20.2 20.2 Wall Sqm 2.00 91.7 1.435 52.2 <tr< td=""><td></td><td>Base</td><td></td><td></td><td>33.8</td><td></td><td></td><td>8.45</td></tr<>		Base			33.8			8.45
Node-MH-726 to MH-727 Width 0.6 Base Sqm 2.00 39.7 0.125 9.9 Wall Sqm 4.00 39.7 1.22 193 Slab Sqm 1.00 39.7 0.9 35 Mode-MH-727 to MH-728 Sqm 1.00 39.7 0.9 35 Mode-MH-727 to MH-728 Sqm 2.00 41.7 0.125 10 Wall Sqm 2.00 41.7 0.125 10 Wall Sqm 2.00 41.7 1.225 204 Slab Sqm 1.00 91.7 1.135 522 Wall Sqm 2.00 91.7 1.435 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1.775</td> <td>239.98</td>							1.775	239.98
Base Sqm 2.00 39.7 0.125 9.1 Wall Sqm 4.00 39.7 1.22 193 Slab Sqm 1.00 39.7 0.9 35 Node-MH-727 to MH-728 Width 0.6 0.125 10 Wall Sqm 2.00 41.7 0.125 10 Wall Sqm 2.00 41.7 1.225 204 Slab Sqm 4.00 41.7 1.225 204 Slab Sqm 1.00 41.7 1.225 204 Slab Sqm 1.00 41.7 1.225 204 Slab Sqm 1.00 41.7 1.225 204 Slab Sqm 2.00 91.7 1.225 204 Base Sqm 2.00 91.7 0.125 22 Wall Sqm 4.00 91.7 1.435 526 Slab Sqm 1.00 91.7 <		Slab	Sqm	1.00	33.8	1		33.80
Base Sqm 2.00 39.7 0.125 9.1 Wall Sqm 4.00 39.7 1.22 193 Slab Sqm 1.00 39.7 0.9 35 Node-MH-727 to MH-728 Width 0.6 0.125 10 Wall Sqm 2.00 41.7 0.125 10 Wall Sqm 2.00 41.7 1.225 204 Slab Sqm 4.00 41.7 1.225 204 Slab Sqm 1.00 41.7 1.225 204 Slab Sqm 1.00 41.7 1.225 204 Slab Sqm 1.00 41.7 1.225 204 Slab Sqm 2.00 91.7 1.225 204 Base Sqm 2.00 91.7 0.125 22 Wall Sqm 4.00 91.7 1.435 526 Slab Sqm 1.00 91.7 <		Node MU 706 to MU 707			W/idth	0.0		
Wall Sqm 4.00 39.7 1.22 193 Slab Sqm 1.00 39.7 0.9 35. Mode-MH-727 to MH-728 Width 0.6 Mode Base Sqm 2.00 41.7 0.125 10. Wall Sqm 4.00 41.7 0.125 10. Wall Sqm 4.00 41.7 1.225 204 Slab Sqm 1.00 41.7 1.225 204 Mall Sqm 1.00 41.7 1.225 204 Male Sqm 2.00 91.7 1.435 526 Slab Sqm 1.00 91.7 1.435 526 Slab Sqm 1.00 91.7 1.3 119 Mall Sqm 1.00 91.7 1.435 526			Sam	2 00		0.6	0 125	9.93
Slab Sqm 1.00 39.7 0.9 35. Mode-MH-727 to MH-728 Midth 0.6 Midth 0.6 Midth 0.6 Midth 0.125 10. Base Sqm 2.00 41.7 0.125 10. 1.225 204 Wall Sqm 1.00 41.7 1 1.225 204 Slab Sqm 1.00 41.7 1 41. Mode-MH-728 to MH-729 Sqm 1.00 41.7 1 41. Mall Sqm 2.00 91.7 0.125 22. Wall Sqm 2.00 91.7 0.125 22. Wall Sqm 4.00 91.7 1.435 526 Slab Sqm 1.00 91.7 1.3 119 Mode-MH-729 to MH-712 Midth 0.9 1.435 526 Base Sqm 2.00 21.8 1.5 0.125 8. Wall Wall								9.93 193.74
Node-MH-727 to MH-728 Width 0.6 Base Sqm 2.00 41.7 0.125 10. Wall Sqm 4.00 41.7 1.225 204 Slab Sqm 1.00 41.7 1 41. Node-MH-728 to MH-729 Width 0.9 1 41. Nase Sqm 2.00 91.7 0.125 22. Wall Sqm 2.00 91.7 0.125 22. Wall Sqm 4.00 91.7 1.435 526 Slab Sqm 1.00 91.7 1.3 119 Mode-MH-729 to MH-712 Width 0.9 1.5 0.125 8.						0.9	1.22	35.73
Base Sqm 2.00 41.7 0.125 10. Wall Sqm 4.00 41.7 1.225 204 Slab Sqm 1.00 41.7 1 41. Node-MH-728 to MH-729 Width 0.9 1 41. Base Sqm 2.00 91.7 0.125 22. Wall Sqm 4.00 91.7 0.125 22. Wall Sqm 4.00 91.7 1.435 526 Slab Sqm 1.00 91.7 1.435 526 Slab Sqm 1.00 91.7 1.435 526 Slab Sqm 1.00 91.7 1.3 119 Mode-MH-729 to MH-712 Vidth 0.9 1.435 526 Base Sqm 2.00 21.8 1.5 0.125 8. Wall Sqm 4.00 21.8 0.2 1.77 30.								
Wall Sqm 4.00 41.7 1.225 204 Slab Sqm 1.00 41.7 1 41. Node-MH-728 to MH-729 Width 0.9 200 91.7 0.125 22. Wall Sqm 2.00 91.7 0.125 22. Wall Sqm 4.00 91.7 1.435 526 Slab Sqm 4.00 91.7 1.435 526 Slab Sqm 4.00 91.7 1.435 526 Slab Sqm 1.00 91.7 1.3 119 Mode-MH-729 to MH-712 Width 0.9 1.435 526 Base Sqm 2.00 21.8 1.5 0.125 8. Wall Wall Sqm 4.00 21.8 0.2 1.77 30.		Node-MH-727 to MH-728				0.6		
Slab Sqm 1.00 41.7 1 41.7 Node-MH-728 to MH-729 Node-MH-728 to MH-729 Width 0.9 1								10.43
Node-MH-728 to MH-729 Width 0.9 Base Sqm 2.00 91.7 0.125 22.0 Wall Sqm 4.00 91.7 1.435 526 Slab Sqm 1.00 91.7 1.435 526 Node-MH-729 to MH-712 Width 0.9 119 Base Sqm 2.00 21.8 1.5 0.125 8.15 Wall Sqm 2.00 21.8 0.2 1.77 30.125 8.15							1.225	204.33
Base Sqm 2.00 91.7 0.125 22. Wall Sqm 4.00 91.7 1.435 526 Slab Sqm 1.00 91.7 1.3 119 Node-MH-729 to MH-712 Width 0.9 100 91.7 1.5 119 Base Sqm 2.00 21.8 1.5 0.125 8. Wall Sqm 4.00 21.8 0.2 1.77 30.		SIAD	Sqm	1.00	41.7	1		41.70
Base Sqm 2.00 91.7 0.125 22. Wall Sqm 4.00 91.7 1.435 526 Slab Sqm 1.00 91.7 1.3 119 Node-MH-729 to MH-712 Width 0.9 100 91.7 1.5 119 Base Sqm 2.00 21.8 1.5 0.125 8. Wall Sqm 4.00 21.8 0.2 1.77 30.		Node-MH-728 to MH-729			Width	0.0		
Wall Sqm 4.00 91.7 1.435 526 Slab Sqm 1.00 91.7 1.3 119 Node-MH-729 to MH-712 Width 0.9 1.00 91.7 1.5 0.125 8. Base Sqm 2.00 21.8 1.5 0.125 8. Wall Sqm 4.00 21.8 0.2 1.77 30.			Sam	2 00		0.9	0 125	22.93
Slab Sqm 1.00 91.7 1.3 119 Node-MH-729 to MH-712 Width 0.9 100 91.7 1.3 119 Base Sqm 2.00 21.8 1.5 0.125 8. Wall Sqm 4.00 21.8 0.2 1.77 30.								526.36
Node-MH-729 to MH-712 Width 0.9 Base Sqm 2.00 21.8 1.5 0.125 8. Wall Sqm 4.00 21.8 0.2 1.77 30.						1.3	1.100	119.21
Base Sqm 2.00 21.8 1.5 0.125 8. Wall Sqm 4.00 21.8 0.2 1.77 30.								
Wall Sqm 4.00 21.8 0.2 1.77 30.		Node-MH-729 to MH-712			Width			
								8.18
Siab Sqm 1.00 21.8 1.3 0.15 4.2	ļ							30.87
	Ļ	Slab	Sqm	1.00	21.8	1.3	0.15	4.25
	L							

 Description Node-MH-712 to MH-713	Unit		L Width	B 1.2	Н	Qty.
 Base	Sqm	2.00	10.8		0.125	2.70
 Wall	Sqm	4.00	10.8 10.8	1.6	1.89	81.65
 Slab	Sqm Total Lengt		398.8	1.0		17.28
 Road 13-J.M 1st Cross Road						
 Node-MH-781 to MH-782			Sides Width	1 0.6		
 Base	Sqm	2.00	57.6		0.125	14.40
Wall	Sqm	4.00	57.6		1.145	263.81
 Slab	Sqm	1.00	57.6	1		57.60
 Node-MH-782 to MH-783			Width	0.6		
 Base	Sqm	2.00	30.6		0.125	7.65
 Wall	Sqm	4.00	30.6		0.91	111.38
 Slab	Sqm	1.00	30.6	1		30.60
 Node-MH-783 to MH-784			Width	0.6		
 Base	Sqm	2.00	40.8		0.125	10.20
 Wall	Sqm	4.00	21.2		0.61	51.73
 Slab	Sqm	1.00	21.2	1		21.20
 Node-MH-785 to MH-786			Width	0.6		
 Base	Sqm	2.00	21.2		0.125	5.30
 Wall	Sqm	4.00	21.2	4	1.25	106.00
 Slab	Sqm	1.00	21.2	1		21.20
 Node-MH-786 to MH-787			Width	0.9		
 Base	Sqm	2.00	21.8		0.125	5.45
 Wall	Sqm	4.00	21.8		1.215	105.95
 Slab	Sqm	1.00	21.8	1.3	 	28.34
 Node-MH-787 to MH-788			Width	0.9		
 Base	Sqm	2.00	25	0.0	0.125	6.25
Wall	Sqm	4.00	25		1.215	121.50
 Slab	Sqm	1.00	25	1.3		32.50
 Node-MH-788 to MH-518			Width	1.2		
 Base	Sqm	2.00	14.8		0.125	3.70
Wall	Sqm	4.00	14.8		1.53	90.58
 Slab	Sqm	1.00	14.8	1.6		23.68
	Total Leng	th=	211.8			
 Road 15-Mission Street Road			Sides	1		
 Node-MH-789 to MH-790			Width	0.6		
Base	Sqm	2.00	32.4		0.125	8.10
 Wall	Sqm	4.00	32.4	1	1.48	191.81 32.40
 Slab	Sqm	1.00	32.4	1		32.40
 Node-MH-790 to MH-791			Width	0.6		
 Base Wall	Sqm	2.00	23.2 23.2		0.125	<u>5.80</u> 122.96
 Slab	Sqm Sqm	4.00	23.2	1	1.325	23.20
	- Oq.ii		20.2			20.20
 Node-MH-791 to MH-792			Width	0.6		
 Base	Sqm	2.00				
 Wall Slab	C		32.4		0.125	8.10
	Sqm Sqm	4.00	21.2	1	0.125 1.325	112.36
	Sqm Sqm			1		
 Node-MH-792 to MH-793	Sqm	4.00 1.00	21.2 21.2 Width	1	1.325	112.36 21.20
 Node-MH-792 to MH-793 Base	Sqm Sqm Sqm	4.00 1.00 2.00	21.2 21.2 Width 27.1		0.125	112.36 21.20 6.78
 Node-MH-792 to MH-793 Base Wall	Sqm Sqm Sqm Sqm	4.00 1.00 2.00 4.00	21.2 21.2 Width 27.1 27.1	0.6	1.325	112.36 21.20 6.78 140.38
 Node-MH-792 to MH-793 Base	Sqm Sqm Sqm	4.00 1.00 2.00	21.2 21.2 Width 27.1		0.125	112.36 21.20 6.78
 Node-MH-792 to MH-793 Base Wall Slab Node-MH-793 to MH-794	Sqm Sqm Sqm Sqm Sqm	4.00 1.00 2.00 4.00 1.00	21.2 21.2 Width 27.1 27.1 27.1 27.1 Width	0.6	0.125 0.125 1.295	112.36 21.20 6.78 140.38 27.10
 Node-MH-792 to MH-793 Base Wall Slab Node-MH-793 to MH-794 Base	Sqm Sqm Sqm Sqm Sqm Sqm Sqm	4.00 1.00 2.00 4.00 1.00 2.00	21.2 21.2 Width 27.1 27.1 27.1 Width 41.7	0.6	0.125 0.125 1.295 0.125	112.36 21.20 6.78 140.38 27.10 10.43
 Node-MH-792 to MH-793 Base Wall Slab Node-MH-793 to MH-794 Base Wall	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	4.00 1.00 2.00 4.00 1.00 2.00 4.00	21.2 21.2 Width 27.1 27.1 27.1 27.1 41.7 41.7	0.6	0.125 0.125 1.295	112.36 21.20 6.78 140.38 27.10 10.43 206.83
 Node-MH-792 to MH-793 Base Wall Slab Node-MH-793 to MH-794 Base	Sqm Sqm Sqm Sqm Sqm Sqm Sqm	4.00 1.00 2.00 4.00 1.00 2.00	21.2 21.2 Width 27.1 27.1 27.1 Width 41.7	0.6	0.125 0.125 1.295 0.125	112.36 21.20 6.78 140.38 27.10 10.43
Node-MH-792 to MH-793 Base Wall Slab Node-MH-793 to MH-794 Base Wall Slab Node-MH-794 to MH-795	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	4.00 1.00 2.00 4.00 1.00 2.00 4.00 1.00	21.2 21.2 Width 27.1 27.1 27.1 27.1 41.7 41.7 41.7 41.7 Width	0.6	1.325 0.125 1.295 0.125 1.24	112.36 21.20 6.78 140.38 27.10 10.43 206.83 41.70
Node-MH-792 to MH-793 Base Wall Slab Node-MH-793 to MH-794 Base Wall Slab Node-MH-793 to MH-794 Base Wall Slab Nall Slab Base Wall Slab Base	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	4.00 1.00 2.00 4.00 1.00 2.00 4.00 1.00 2.00	21.2 21.2 Width 27.1 27.1 27.1 41.7 41.7 41.7 41.7 41.7 51.2	0.6	0.125 1.295 0.125 1.24 0.125 1.24	112.36 21.20 6.78 140.38 27.10 10.43 206.83 41.70 12.80
Node-MH-792 to MH-793 Base Wall Slab Node-MH-793 to MH-794 Base Wall Slab Node-MH-794 to MH-795	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	4.00 1.00 2.00 4.00 1.00 2.00 4.00 1.00	21.2 21.2 Width 27.1 27.1 27.1 27.1 41.7 41.7 41.7 41.7 Width	0.6	1.325 0.125 1.295 0.125 1.24	112.36 21.20 6.78 140.38 27.10 10.43 206.83 41.70
Node-MH-792 to MH-793 Base Wall Slab Node-MH-793 to MH-794 Base Wall Slab Node-MH-794 to MH-795 Base Wall Slab	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	4.00 1.00 2.00 4.00 1.00 2.00 4.00 1.00 2.00 4.00 4.00	21.2 21.2 Width 27.1 27.1 27.1 41.7 41.7 41.7 41.7 Width 51.2 51.2 51.2	0.6	0.125 1.295 0.125 1.24 0.125 1.24	112.36 21.20 6.78 140.38 27.10 10.43 206.83 41.70 12.80 248.83
Node-MH-792 to MH-793 Base Wall Slab Node-MH-793 to MH-794 Base Wall Slab Wall Slab Wall Slab Wall Slab Node-MH-794 to MH-795 Base Wall Slab Node-MH-795 to MH-475	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	4.00 1.00 2.00 4.00 1.00 2.00 4.00 1.00 2.00 4.00 1.00	21.2 21.2 Width 27.1 27.1 27.1 41.7 41.7 41.7 41.7 51.2 51.2 51.2 51.2	0.6	0.125 1.295 0.125 1.295 0.125 1.24 0.125 1.215	112.36 21.20 6.78 140.38 27.10 10.43 206.83 41.70 12.80 248.83 51.20
Node-MH-792 to MH-793 Base Wall Slab Node-MH-793 to MH-794 Base Wall Slab Wall Slab Wall Slab Wall Slab Node-MH-794 to MH-795 Base Wall Slab Node-MH-794 to MH-795 Base Wall Slab	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	4.00 1.00 2.00 4.00 1.00 2.00 4.00 1.00 2.00 4.00 1.00 2.00 2.00	21.2 21.2 Width 27.1 27.1 27.1 27.1 41.7 41.7 41.7 41.7 51.2 51.2 51.2 51.2 51.2	0.6	1.325 0.125 1.295 0.125 1.24 0.125 1.215 0.125 0.125	112.36 21.20 6.78 140.38 27.10 10.43 206.83 41.70 12.80 248.83 51.20 12.98
Node-MH-792 to MH-793 Base Wall Slab Node-MH-793 to MH-794 Base Wall Slab Wall Slab Wall Slab Wall Slab Node-MH-794 to MH-795 Base Wall Slab Node-MH-795 to MH-475	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	4.00 1.00 2.00 4.00 1.00 2.00 4.00 1.00 2.00 4.00 1.00	21.2 21.2 Width 27.1 27.1 27.1 41.7 41.7 41.7 41.7 51.2 51.2 51.2 51.2	0.6	0.125 1.295 0.125 1.295 0.125 1.24 0.125 1.215	112.36 21.20 6.78 140.38 27.10 10.43 206.83 41.70 12.80 248.83 51.20 12.98 270.92
Node-MH-792 to MH-793 Base Wall Slab Node-MH-793 to MH-794 Base Wall Slab Node-MH-794 to MH-795 Base Wall Slab Node-MH-794 to MH-795 Base Wall Slab Node-MH-795 to MH-475 Base Wall	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	4.00 1.00 2.00 4.00 1.00 2.00 4.00 1.00 2.00 4.00 1.00 2.00 4.00 1.00	21.2 21.2 Width 27.1 27.1 27.1 27.1 41.7 41.7 41.7 41.7 51.2 51.2 51.2 51.2 51.2 51.2 51.2 51.2	0.6 1 0.6 1 0.6 1 0.6 1 0.6	1.325 0.125 1.295 0.125 1.24 0.125 1.215 0.125 0.125	112.36 21.20 6.78 140.38 27.10 10.43 206.83 41.70 12.80 248.83 51.20 12.98
Node-MH-792 to MH-793 Base Wall Slab Node-MH-793 to MH-794 Base Wall Slab Node-MH-794 to MH-795 Base Wall Slab Node-MH-794 to MH-795 Base Wall Slab Wall Slab Wall Slab Slab	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	4.00 1.00 2.00 4.00 1.00 2.00 4.00 1.00 2.00 4.00 1.00 2.00 4.00 1.00	21.2 21.2 Width 27.1 27.1 27.1 27.1 41.7 41.7 41.7 41.7 51.2 51.2 51.2 51.2 51.2 51.2 51.9 51.9 51.9	0.6 1 0.6 1 0.6 1 0.6 1 0.6	1.325 0.125 1.295 0.125 1.24 0.125 1.215 0.125 0.125	112.36 21.20 6.78 140.38 27.10 10.43 206.83 41.70 12.80 248.83 51.20 12.98 270.92
Node-MH-792 to MH-793 Base Wall Slab Node-MH-793 to MH-794 Base Wall Slab Wall Slab Wall Slab Wall Slab Node-MH-794 to MH-795 Base Wall Slab Node-MH-795 to MH-475 Base Wall Slab	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	4.00 1.00 2.00 4.00 1.00 2.00 4.00 1.00 2.00 4.00 1.00 2.00 4.00 1.00	21.2 21.2 Width 27.1 27.1 27.1 27.1 41.7 41.7 41.7 41.7 51.2 51.2 51.2 51.2 51.2 51.2 51.9 51.9 51.9	0.6 1 0.6 1 0.6 1 0.6 1 0.6	1.325 0.125 1.295 0.125 1.24 0.125 1.215 0.125 0.125	112.36 21.20 6.78 140.38 27.10 10.43 206.83 41.70 12.80 248.83 51.20 12.98 270.92
Node-MH-792 to MH-793 Base Wall Slab Node-MH-793 to MH-794 Base Wall Slab Node-MH-794 to MH-795 Base Wall Slab Node-MH-794 to MH-795 Base Wall Slab Wall Slab Wall Slab Slab	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	4.00 1.00 2.00 4.00 1.00 2.00 4.00 1.00 2.00 4.00 1.00 2.00 4.00 1.00	21.2 21.2 Width 27.1 27.1 27.1 27.1 41.7 41.7 41.7 41.7 51.2 51.2 51.2 51.2 51.2 51.2 51.9 51.9 51.9	0.6 1 0.6 1 0.6 1 0.6 1 0.6	1.325 0.125 1.295 0.125 1.24 0.125 1.215 0.125 0.125	112.36 21.20 6.78 140.38 27.10 10.43 206.83 41.70 12.80 248.83 51.20 12.98 270.92
Node-MH-792 to MH-793 Base Wall Slab Node-MH-793 to MH-794 Base Wall Slab Node-MH-794 to MH-795 Base Wall Slab Node-MH-794 to MH-795 Base Wall Slab Node-MH-795 to MH-475 Base Wall Slab Slab Slab Box Culvert Road No.1-GHS Road Box Culvert-Wall	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	4.00 1.00 2.00 4.00 1.00 2.00 4.00 1.00 2.00 4.00 1.00 1.00 1.00 1.00 1.00	21.2 21.2 Width 27.1 27.1 27.1 27.1 41.7 41.7 41.7 41.7 51.2 51.2 51.2 51.2 51.2 51.2 51.2 51.2	0.6 1 0.6 1 0.6 1 0.6 1 1 0.6 1 1 0.6	1.325 0.125 1.295 0.125 1.24 0.125 1.215 0.125 0.125	112.36 21.20 6.78 140.38 27.10 10.43 206.83 41.70 12.80 248.83 51.20 12.98 270.92 51.90
Node-MH-792 to MH-793 Base Wall Slab Node-MH-793 to MH-794 Base Wall Slab Wall Slab Wall Slab Node-MH-793 to MH-794 Base Wall Slab Node-MH-794 to MH-795 Base Wall Slab Node-MH-795 to MH-475 Base Wall Slab Node-MH-795 to MH-475 Base Wall Slab Node-MH-795 to MH-475 Base Wall Slab Slab Base Wall Slab Base Wall Slab Base Wall Slab Box Culvert Base Box Culvert-Slab	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	4.00 1.00 2.00 4.00 1.00 2.00 4.00 1.00 2.00 4.00 1.00 1.00 1.00 1.00 1.00 1.00 3	21.2 21.2 Width 27.1 27.1 27.1 27.1 41.7 41.7 41.7 41.7 51.2 51.2 51.2 51.2 51.2 51.2 51.2 51.2	0.6 1 0.6 1 0.6 1 1 0.6 1 1 0.6 1 1 1 1 0.5	1.325 0.125 1.295 0.125 1.24 0.125 1.215 0.125 0.125	112.36 21.20 6.78 140.38 27.10 10.43 206.83 41.70 12.80 248.83 51.20 12.98 270.92 51.90

Sr. No.	Description	Unit	No's	L	В	Н	Qty.
	Road No.3-Sharavu Temple Road Box Culvert-Slab	Sqm	1	10	1.5		15.00
	Box Culvert-Wall	Sqm	4	10			60.00
	Road No.4-G.H.S. Cross Road Box Culvert-Slab	Sqm	1	8.8	1.5		13.20
	Box Culvert-Wall	Sqm	4	8.8	1.5		52.80
	Road No.5-Vithoba Temple Road Box Culvert-Slab	Sqm	4	11.4	1.5		68.40
	Box Culvert-Wall	Sqm	16	11.4	1.5		273.60
	Road No.7-Maidan 1st Cross Road Box Culvert-Slab	Sqm	1	18.05	1.5		27.08
	Box Culvert-Vall	Sqm	4	18.05	1.5		108.30
	Road No.8-Maidan 3rd Cross Road Box Culvert-Slab	Sqm	1	13.1	1.5		0.00 19.65
	Box Culvert-Wall	Sqm	4	13.1	1.5		78.60
	Road No.9-Bibi Alabi Road Box Culvert-Slab	Sqm	0	8.3	1.5		0.00
	Box Culvert-Stab	Sqm	0		1.5		0.00
	Road 10-Bibi Alabi-Kandak Road Box Culvert-Slab	Sam	4	8.3	1.5		40.90
	Box Culvert-Slab	Sqm Sqm	16	0.3 8.3			49.80 199.20
	Road 11-Maidan 4th Cross Road-Extn	Cam	1	8.3	1.5		40.45
	Box Culvert-Slab Box Culvert-Wall	Sqm Sqm	4	0.3 8.3			12.45 49.80
	Road 13-J.M 1st Cross Road						
<u> </u>	Box Culvert-Slab Box Culvert-Wall	Sqm Sqm	2	8.3 8.3	1.5 1.5		24.90 99.60
	Road 15-Mission Street Road						
	Box Culvert-Slab Box Culvert-Wall	Sqm Sqm	7 28	8.3 8.3			87.15 348.60
		Sqm		Total Qty.			34392.03
19	KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work including straighting,cutting,bending,hooking,placing in position,lapping and/or welding wherever required,tying with binding wire and anchoring to thr adjoing members wherever necessary complete as per design (laps,hooks and wastage shall not be measured and paid) cost of materials,labour,HOM of machinary complete as per specifications.Specification No. KBS4.6.3. do with TMT bars Fe500 (SI No : 4.46.2 of KPWD 18-19)			Cum	Kg/Cum	Kg	МТ
	SWD	MT	1	4334.18	100.00	433418.37	433.42
	Footpath Edge Beam Electrical Chamber	MT MT	1	62.83 627.88			5.03 62.79
	Box Culvert	MT	1	351.54			42.18
		MT		5376.43	0.00 Check	Total 5376.43	543.42
					CHECK	3370.43	
	KSRRB M300-Construction of Subgrade. KSRRB M300-55. Construction of sub-grade with approved material Gravel/Murrum with all lifts & leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of Table No.						
20	300-2 complete as per specifications (including cost of earth, watering charges & compaction by vibratory rollercompaction by vibratory roller to 97% of proctors density) MORTH Specification No. 305IKPWD 18-19,19.62,17.1 and 17.4)						
20	300-2 complete as per specifications (including cost of earth, watering charges & compaction by vibratory rollercompaction by vibratory roller to 97% of proctors density) MORTH Specification No. 305IKPWD 18-19,19.62,17.1 and 17.4) Footpath						
20	300-2 complete as per specifications (including cost of earth, watering charges & compaction by vibratory roller compaction by vibratory roller to 97% of proctors density) MORTH Specification No. 305IKPWD 18-19,19.62,17.1 and 17.4) Footpath Road No.1-GHS Road LHS						
20	300-2 complete as per specifications (including cost of earth, watering charges & compaction by vibratory roller compaction by vibratory roller to 97% of proctors density) MORTH Specification No. 305IKPWD 18-19,19.62,17.1 and 17.4) Footpath Road No.1-GHS Road LHS Ch.0.0 to Ch.95.00	Cum	1	95		0.15	38.9
20	300-2 complete as per specifications (including cost of earth, watering charges & compaction by vibratory roller compaction by vibratory roller to 97% of proctors density) MORTH Specification No. 305IKPWD 18-19,19.62,17.1 and 17.4) Footpath Road No.1-GHS Road LHS Ch.0.0 to Ch.95.00 Ch.100.0 to Ch.260.00 Ch.270.0 to Ch.370.00		 1 1 1	95 160 100	3.23	0.15 0.15 0.15	38.9 77.52 44.55
20	300-2 complete as per specifications (including cost of earth, watering charges & compaction by vibratory roller compaction by vibratory roller to 97% of proctors density) MORTH Specification No. 305IKPWD 18-19,19.62,17.1 and 17.4) Footpath Road No.1-GHS Road LHS Ch.0.0 to Ch.95.00 Ch.100.0 to Ch.260.00 Ch.270.0 to Ch.370.00 RHS	Cum Cum Cum	1	160 100	3.23 2.97	0.15 0.15	77.52 44.55
20	300-2 complete as per specifications (including cost of earth, watering charges & compaction by vibratory roller compaction by vibratory roller to 97% of proctors density) MORTH Specification No. 305IKPWD 18-19,19.62,17.1 and 17.4) Footpath Road No.1-GHS Road LHS Ch.0.0 to Ch.95.00 Ch.100.0 to Ch.260.00 Ch.270.0 to Ch.260.00 RHS Ch.0.0 to Ch.140.00 Ch.150.0 to Ch.280.0	Cum Cum Cum Cum Cum	1 1 1 1	160 100 140 130	3.23 2.97 2.3 3.18	0.15 0.15 0.15 0.15 0.15	77.52 44.55 48.3 62.01
20	300-2 complete as per specifications (including cost of earth, watering charges & compaction by vibratory roller compaction by vibratory roller to 97% of proctors density) MORTH Specification No. 305IKPWD 18-19,19.62,17.1 and 17.4) Footpath Road No.1-GHS Road LHS Ch.0.0 to Ch.95.00 Ch.100.0 to Ch.260.00 Ch.270.0 to Ch.370.00 RHS Ch.0.0 to Ch.140.00	Cum Cum Cum Cum	1 1 1	160 100 140	3.23 2.97 2.3 3.18	0.15 0.15 0.15	77.52 44.55 48.3
20	300-2 complete as per specifications (including cost of earth, watering charges & compaction by vibratory roller compaction by vibratory roller to 97% of proctors density) MORTH Specification No. 305IKPWD 18-19,19.62,17.1 and 17.4) Footpath Road No.1-GHS Road LHS Ch.0.0 to Ch.95.00 Ch.100.0 to Ch.260.00 Ch.270.0 to Ch.370.00 RHS Ch.0.0 to Ch.140.00 Ch.150.0 to Ch.280.0 Ch.290.0 to Ch.390.0 Road No.2-P.M.Rao Road	Cum Cum Cum Cum Cum	1 1 1 1	160 100 140 130	3.23 2.97 2.3 3.18	0.15 0.15 0.15 0.15 0.15	77.52 44.55 48.3 62.01
20	300-2 complete as per specifications (including cost of earth, watering charges & compaction by vibratory roller compaction by vibratory roller to 97% of proctors density) MORTH Specification No. 305IKPWD 18-19,19.62,17.1 and 17.4) Footpath Road No.1-GHS Road LHS Ch.0.0 to Ch.95.00 Ch.100.0 to Ch.260.00 Ch.270.0 to Ch.370.00 RHS Ch.0.0 to Ch.140.00 Ch.150.0 to Ch.280.0 Ch.290.0 to Ch.390.0 Road No.2-P.M.Rao Road LHS	Cum Cum Cum Cum Cum	1 1 1 1	160 100 140 130	3.23 2.97 2.3 3.18 3.68	0.15 0.15 0.15 0.15 0.15	77.52 44.55 48.3 62.01 55.2
20	300-2 complete as per specifications (including cost of earth, watering charges & compaction by vibratory roller compaction by vibratory roller to 97% of proctors density) MORTH Specification No. 305IKPWD 18-19,19.62,17.1 and 17.4) Footpath Road No.1-GHS Road LHS Ch.0.0 to Ch.95.00 Ch.100.0 to Ch.260.00 Ch.270.0 to Ch.370.00 RHS Ch.0.0 to Ch.140.00 Ch.150.0 to Ch.280.0 Ch.290.0 to Ch.390.0 Road No.2-P.M.Rao Road LHS Ch.0.0 to Ch.170.0 RHS	Cum Cum Cum Cum Cum Cum		160 100 140 130 100 100	3.23 2.97 2.3 3.18 3.68 2.83	0.15 0.15 0.15 0.15 0.15 0.15 0.15	77.52 44.55 48.3 62.01 55.2 72.17
20	300-2 complete as per specifications (including cost of earth, watering charges & compaction by vibratory roller compaction by vibratory roller to 97% of proctors density) MORTH Specification No. 305IKPWD 18-19,19.62,17.1 and 17.4) Footpath Road No.1-GHS Road LHS Ch.0.0 to Ch.95.00 Ch.100.0 to Ch.260.00 Ch.270.0 to Ch.370.00 RHS Ch.0.0 to Ch.140.00 Ch.150.0 to Ch.280.0 Ch.290.0 to Ch.390.0 Road No.2-P.M.Rao Road LHS Ch.0.0 to Ch.170.0	Cum Cum Cum Cum Cum	1 1 1 1 1	160 100 140 130 100	3.23 2.97 2.3 3.18 3.68	0.15 0.15 0.15 0.15 0.15	77.52 44.55 48.3 62.01 55.2
	300-2 complete as per specifications (including cost of earth, watering charges & compaction by vibratory roller compaction by vibratory roller to 97% of proctors density) MORTH Specification No. 305IKPWD 18-19,19.62,17.1 and 17.4) Footpath Road No.1-GHS Road LHS Ch.0.0 to Ch.95.00 Ch.100.0 to Ch.260.00 Ch.270.0 to Ch.370.00 RHS Ch.0.0 to Ch.140.00 Ch.150.0 to Ch.280.0 Ch.290.0 to Ch.390.0 Road No.2-P.M.Rao Road LHS Ch.00.0 to Ch.170.0 RHS Ch.00.0 to Ch.170.0 RHS Ch.00.0 to Ch.170.0 RHS	Cum Cum Cum Cum Cum Cum		160 100 140 130 100 100	3.23 2.97 2.3 3.18 3.68 2.83	0.15 0.15 0.15 0.15 0.15 0.15 0.15	77.52 44.55 48.3 62.01 55.2 72.17
	300-2 complete as per specifications (including cost of earth, watering charges & compaction by vibratory roller compaction by vibratory roller to 97% of proctors density) MORTH Specification No. 305IKPWD 18-19,19.62,17.1 and 17.4) Footpath Road No.1-GHS Road LHS Ch.0.0 to Ch.95.00 Ch.100.0 to Ch.260.00 Ch.270.0 to Ch.370.00 RHS Ch.0.0 to Ch.140.00 Ch.150.0 to Ch.280.0 Ch.290.0 to Ch.390.0 Road No.2-P.M.Rao Road LHS Ch.00.0 to Ch.170.0 RHS Ch.00.0 to Ch.170.0	Cum Cum Cum Cum Cum Cum		160 100 140 130 100 100	3.23 2.97 2.3 3.18 3.68 2.83 3.76	0.15 0.15 0.15 0.15 0.15 0.15 0.15	77.52 44.55 48.3 62.01 55.2 72.17
	300-2 complete as per specifications (including cost of earth, watering charges & compaction by vibratory roller compaction by vibratory roller to 97% of proctors density) MORTH Specification No. 305IKPWD 18-19,19.62,17.1 and 17.4) Footpath Road No.1-GHS Road LHS Ch.0.0 to Ch.95.00 Ch.100.0 to Ch.260.00 Ch.100.0 to Ch.370.00 RHS Ch.0.0 to Ch.140.00 Ch.290.0 to Ch.390.0 Road No.2-P.M.Rao Road LHS Ch.00.0 to Ch.170.0 RHS Ch.00.0 to Ch.170.0 RHS Ch.00.0 to Ch.170.0 RHS Ch.0.0 to Ch.170.0 RHS	Cum Cum Cum Cum Cum Cum Cum		160 100 140 130 100 170 170 170	3.23 2.97 2.3 3.18 3.68 2.83 3.76 2.82	0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15	77.52 44.55 48.3 62.01 55.2 72.17 95.88 71.91
	300-2 complete as per specifications (including cost of earth, watering charges & compaction by vibratory roller compaction by vibratory roller to 97% of proctors density) MORTH Specification No. 305IKPWD 18-19,19.62,17.1 and 17.4) Footpath Road No.1-GHS Road LHS Ch.0.0 to Ch.95.00 Ch.100.0 to Ch.260.00 Ch.270.0 to Ch.370.00 RHS Ch.0.0 to Ch.140.00 Ch.290.0 to Ch.280.0 Ch.290.0 to Ch.390.0 Road No.2-P.M.Rao Road LHS Ch.0.0 to Ch.170.0 RHS Ch.00.0 to Ch.170.0 RHS Ch.00.0 to Ch.170.0 RHS Ch.0.0 to Ch.1	Cum Cum Cum Cum Cum Cum Cum Cum	1 1 1 1 1 1 1 1 1	160 100 140 130 100 170 170	3.23 2.97 2.3 3.18 3.68 2.83 3.76 2.82 2.82 4.23	0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15	77.52 44.55 48.3 62.01 55.2 72.17 95.88 71.91 31.73
	300-2 complete as per specifications (including cost of earth, watering charges & compaction by vibratory roller compaction by vibratory roller to 97% of proctors density) MORTH Specification No. 305IKPWD 18-19,19.62,17.1 and 17.4) Footpath Road No.1-GHS Road LHS Ch.0.0 to Ch.95.00 Ch.100.0 to Ch.260.00 Ch.100.0 to Ch.370.00 RHS Ch.0.0 to Ch.140.00 Ch.290.0 to Ch.390.0 Road No.2-P.M.Rao Road LHS Ch.00.0 to Ch.170.0 RHS Ch.00.0 to Ch.170.0 RHS Ch.00.0 to Ch.170.0 RHS Ch.0.0 to Ch.170.0 RHS	Cum Cum Cum Cum Cum Cum Cum		160 100 140 130 100 170 170 170 170 50	3.23 2.97 2.3 3.18 3.68 2.83 3.76 2.82 4.23	0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15	77.52 44.55 48.3 62.01 55.2 72.17 95.88 71.91 31.73 14.91
	300-2 complete as per specifications (including cost of earth, watering charges & compaction by vibratory roller compaction by vibratory roller to 97% of proctors density) MORTH Specification No. 305IKPWD 18-19,19.62,17.1 and 17.4) Footpath Road No.1-GHS Road LHS Ch.0.0 to Ch.95.00 Ch.100.0 to Ch.260.00 Ch.270.0 to Ch.370.00 RHS Ch.0.0 to Ch.140.00 Ch.150.0 to Ch.280.0 Ch.290.0 to Ch.390.0 Road No.2-P.M.Rao Road LHS Ch.00.0 to Ch.170.0 RHS Ch.00.0 to Ch.170.0 RHS Ch.0.0 to Ch.170.0 RHS	Cum Cum Cum Cum Cum Cum Cum Cum Cum		160 100 140 130 100 170 170 170 170 50 35	3.23 2.97 2.3 3.18 3.68 2.83 2.83 3.76 2.82 2.82 4.23 2.84	0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15	77.52 44.55 48.3 62.01 55.2 72.17 95.88 71.91 31.73 14.91
	300-2 complete as per specifications (including cost of earth, watering charges & compaction by vibratory rollercompaction by vibratory roller to 97% of proctors density) MORTH Specification No. 305IKPWD 18-19,19.62,17.1 and 17.4) Footpath Road No.1-GHS Road LHS Ch.0.0 to Ch.95.00 Ch.100.0 to Ch.260.00 Ch.270.0 to Ch.370.00 RHS Ch.0.0 to Ch.140.00 Ch.150.0 to Ch.280.0 Ch.290.0 to Ch.390.0 Road No.2-P.M.Rao Road LHS Ch.00.0 to Ch.170.0 RHS Ch.00.0 to Ch.170.0 RHS Ch.0.0 to Ch.142.0	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum		160 100 140 130 100 170 170 170 170 50 35 42	3.23 2.97 2.3 3.18 3.68 2.83 2.83 3.76 2.82 4.23 2.84 3.55	0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15	77.52 44.55 48.3 62.01 55.2 72.17 95.88 71.91 31.73 14.91 22.37
	300-2 complete as per specifications (including cost of earth, watering charges & compaction by vibratory roller compaction by vibratory roller to 97% of proctors density) MORTH Specification No. 305IKPWD 18-19,19.62,17.1 and 17.4) Footpath Road No.1-GHS Road LHS Ch.0.0 to Ch.95.00 Ch.100.0 to Ch.95.00 Ch.270.0 to Ch.370.00 RHS Ch.0.0 to Ch.140.00 Ch.150.0 to Ch.280.0 Ch.290.0 to Ch.390.0 Road No.2-P.M.Rao Road LHS Ch.00.0 to Ch.170.0 RHS Ch.00.0 to Ch.170.0 RHS Ch.00.0 to Ch.170.0 RHS Ch.0.0 to Ch.170.0 Ch.170.0 RHS Ch.0.0 to Ch.142.0 ROAD Ch.100.0 to Ch.142.0 ROAD Ch.100.0 to Ch.142.0 ROAD Ch.100.0 to Ch.142.0 ROAD Ch.0.0 to Ch.50.0 Ch.100.0 to Ch.50.0 Ch.	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum		160 100 140 130 100 170 170 170 50 355 42 50	3.23 2.97 2.3 3.18 3.68 2.83 2.83 3.76 2.82 4.23 2.84 3.55 3.55	0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15	77.52 44.55 48.3 62.01 55.2 72.17 95.88 71.91 31.73 14.91 22.37 26.63
	300-2 complete as per specifications (including cost of earth, watering charges & compaction by vibratory rollercompaction by vibratory roller to 97% of proctors density) MORTH Specification No. 305IKPWD 18-19,19.62,17.1 and 17.4) Footpath Road No.1-GHS Road LHS Ch.0.0 to Ch.95.00 Ch.100.0 to Ch.260.00 Ch.270.0 to Ch.370.00 RHS Ch.0.0 to Ch.140.00 Ch.150.0 to Ch.280.0 Ch.290.0 to Ch.390.0 Road No.2-P.M.Rao Road LHS Ch.00.0 to Ch.170.0 RHS Ch.00.0 to Ch.170.0 RHS Ch.0.0 to Ch.142.0	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum		160 100 140 130 100 170 170 170 170 50 35 42	3.23 2.97 2.3 3.18 3.68 2.83 2.83 3.76 2.82 4.23 2.84 3.55 3.55 2.68	0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15	77.52 44.55 48.3 62.01 55.2 72.17 72.17 95.88 71.91 31.73

	Description	Unit	No's	L	В	Н	Qty.
R	oad No.7-Maidan 1st Cross Road						
	HS h.0.0 to Ch.92.00	Cum	1	92	3.45	0.15	47.
_	HS						
	t Ch.0.00	Cum	1	20	2.61	0.15	7.
Cł	h.0.0 to Ch.92.00	Cum	1	92	2.7	0.15	37
-	oad No.8-Maidan 3rd Cross Road HS						
	h.20.0 to Ch.180.0	Cum	1	160	2.8	0.15	6
	HS h.0.0 to Ch.180.0	Cum	1	180	3.11	0.15	83
		Cum	· ·	100		0.15	0
_	oad No.9 Bibi Alabi Road HS						
	h.0.0 to Ch.200.00	Cum	1	200	5.38	0.15	16
	h.210.00 to Ch.320.00	Cum	1	110	5.61	0.15	92
	h.330.0 to Ch.430.00 HS	Cum	1	100	6.75	0.15	101
	h.30.00 to Ch.160.00	Cum	1	130	4.48	0.15	87
	h.170.00 to Ch.340.00	Cum	1	170	4.75	0.15	121
Cł	h.345.00 to Ch.430.00	Cum	1	85	4.41	0.15	56
_	oad No.10-Bibi Alabi - Kandak Road						
	HS h.0.0 to Ch.145.0	Cum	1	145	1.49	0.15	32
	h.55.00 to Ch.165.0	Cum	1	110	0.15	0.15	2
Cł	h.185.00 to Ch.230.0	Cum	1	45	1.58	0.15	10
	h.320.00 to Ch.405.00	Cum	1	85	3.87	0.15	49
	h.425.00 to Ch.460.0	Cum	1	35	3.54	0.15	18
	h.40.0 to Ch.260.0	Cum	1	220	1.5	0.15	2
	h.270.0 to Ch.290.0	Cum	1	220	3.45	0.15	10
_	h.305.0 to Ch.460.0	Cum	1	155	3.11	0.15	72
R	oad No.11-Maidan 4th Cross Road-Extn.						
Lŀ	HS	0		475		0.45	
	h.25.0 to Ch.200.00 HS	Cum	1	175	3.11	0.15	8
	h.0.0 to Ch.200.00	Cum	1	175	3.18	0.15	83
D/	oad No.13-J.M.1st Cross Road						
Lŀ	HS						
-	h.160.0 to Ch.170.0	Cum	1	10	1.91	0.15	2
	h.175.0 to Ch.200.0 h.218.0 to Ch.227	Cum Cum	1	25 9	2.51 1.31	0.15 0.15	<u>(</u>
	HS	Culli		9	1.51	0.15	
	h.160.0 to Ch.190.0	Cum	1	30	2.27	0.15	10
_							
	oad No.15-Mission Street Road Extn. HS						
Cł	h.0.0 to Ch.20.00	Cum	1	20	1.1	0.15	
	HS h.20.0 to Ch.90.0	Cum	1	70	1.8	0.15	1
Cł	h.180.0 to Ch.200	Cum	1	20	1.85	0.15	Ę
F '	luch Ecologith with Carriagener						
R	lush Footpath with Carriageway oad No.1-GHS Road						
	HS evel Footpath-Ch.270.00 to Ch.288.00	Sqm	1	18	0.21	0.15	(
Lŀ	HS						
	evel Footpath-Ch.260.0 to Ch.268.00	Sqm	1	8	0.4	0.15	(
	arking-Ch.180.0 to Ch.260.0 arking-Ch.320.0 to Ch.350.0	Sqm Sqm	1 1	82 30	2.5 2.5	0.15 0.15	30 11
	oad No.2-P.M.Rao Road						
	oad No.2-P.M.Rao Road arking-LHS-Ch.10.00 to Ch.50.00	Sqm	1	36.2	2.5	0.15	1:
	arking-RHS-Ch.50.00 to Ch.75.00	Sqm	1	29	2.5	0.15	10
Re	oad No.3-Sharavu Temple Road						
RI	HS	0.000			0.70		
	evel Footpath-Ch.165.00 to Ch.185.0 arking-Ch.15.00 to Ch.33.0	Sqm	1	20 18	0.73 2.5	0.15	2
	arking-Ch.15.00 to Ch.33.0 arking-Ch.68.00 to Ch.82.0	Sqm Sqm	1 1	18 16.4	2.5	0.15 0.15	6
L	HS				—	F	
	evel Footpath-Ch.140.00 to Ch.180.0	Sqm	1	40	1.18	0.15	
	arking-Ch.15.0 to Ch.42.0	Sqm Sqm	1	30	2.5	0.15	11
Pa		Sam	1	20	2.5	0.15	
Pa	arking-Ch.65.0 to Ch.85.0						
Pa Pa Re	arking-Ch.65.0 to Ch.85.0 oad No.4-G.H.S. Cross Road HS						

Sr. No.	Description Ch.65.0 to Ch.90.0	Unit Sqm	No's	L 40	B 1.1	Н 0.15	Qty. 6.6
	Road No.5-Vithoba Temple Road						
	LHS	_		107		0.45	44.07
	Ch.15.0 to Ch.212.0 Ch.215.0 to Ch.485.0	Sqm Sqm	1	197 270	<u>1.41</u> 1.44	0.15 0.15	41.67 58.32
		0qm		210		0.10	00.02
	RHS	C.am	1	470	1.61	0.45	440.54
	Ch.15.0 to Ch.485.0	Sqm	1	470	1.61	0.15	113.51
	Road No.8-Maidan 3rd Cross Road						
	Parking	Sqm	1	30.6	2.5	0.15	11.48
	Road No.9-Bibi Alabi Road						
	LHS						
	Level Footpath-Ch.0.0 to Ch.38.0 Level Footpath-Ch.138.0 to Ch.218.0	Sqm Sqm	1	40 80	1.58 1.5	0.15 0.15	9.48 18
	Level Footpath-Ch. 138.0 to Ch.218.0	Sqm	1	12	1.54	0.15	2.77
	Level Footpath-Ch.288.0 to Ch.308.0	Sqm	1	20	1.29	0.15	3.87
	Parking-Ch.55.00 to Ch. 130.0	Sqm	1		2.5	0.15	28.13
	Parking-Ch.140.0 to Ch.150.0 RHS	Sqm	1	10.5	2.5	0.15	3.94
	Level Footpath-Ch.5.00to Ch.40.0	Sqm	1	35	1.35	0.15	7.09
	Level Footpath-Ch.160.00 to Ch.210.0	Sqm	1	50	1.21	0.15	9.08
	Level Footpath-Ch.240.0 to Ch.320.0 Level Footpath-Ch.400.0 to Ch.430.0	Sqm	1	80 30	1.28	0.15	15.36
	Level Footpath-Ch.455.0 to Ch.465.0	Sqm Sqm	1	30	1.11 2.42	0.15 0.15	5 3.63
						00	0.00
	Road 10-Bibi Alabi-Kandak Road						
	RHS Ch.12.0 to Ch.38.0	Sqm	1	26	0.41	0.15	1.6
	LHS	Oqm		20	0.41	0.15	1.0
	Ch.168.0 to Ch.188.0	Sqm	1	20	0.46	0.15	1.38
	Ch.240.0 to Ch.260.0	Sqm	1	20	0.31	0.15	0.93
	Ch.270.0 to Ch.300.0 Ch.300.00 to Ch.320.0	Sqm Sqm	1	30 20	0.52	0.15 0.15	2.34
	Ch.400.0 to Ch.425.0	Sqm	1	25	1.11	0.15	4.16
	Road 11-Maidan 4th Cross Road-Extn LHS						
	Ch.90.0 to Ch.180.0	Sqm	1	90	0.8	0.15	10.8
	Ch.30.0 to Ch.50.0	Sqm	1	20	1.07	0.15	3.21
	RHS Ch.70.0 to Ch.80.0	Sqm	1	10	0.23	0.15	0.35
	Ch.115.0 to Ch.185.0	Sqm	1		1.31	0.15	13.76
	Parking-LHS	Sqm	1	46.8	2.5	0.15	17.55
	Parking-RHS Parking-RHS	Sqm Sqm	1	60 53.2	2.5 2.5	0.15 0.15	22.5 19.95
		0 q.n.		00.2	2.0	0110	10100
	Road 13-J.M 1st Cross Road						
	LHS Ch.0.0 to Ch.90.0	Sqm	1	90	1.1	0.15	14.85
	Ch.95.0 to Ch.130.0	Sqm	1	40	0.56	0.15	3.36
	Ch.200.0 to Ch.220.0	Sqm	1	20	0.24	0.15	0.72
	Ch.230.0 to Ch.235.0 RHS	Sqm	1	5	4.37	0.15	3.28
	Ch.0.0 to Ch.130.0	Sqm	1	130	1	0.15	19.5
	Ch.200.0 to Ch.240.0	Sqm	1	40	0.5	0.15	3
	Dead 45 Minsion Cross Dead						
	Road 15-Mission Street Road LHS						
	Ch.20.0 to Ch.90.0	Sqm	1	70	1.52	0.15	15.96
	Ch.120.0 to Ch.190.0	Sqm	1	70	1.08	0.15	11.34
	RHS Ch.130.0 to Ch.180.0	Sqm	1	50	1.05	0.15	7.88
		Oqm			1.00	0.10	7.00
	Two Wheeler Parking						
	Road No.2-PM Rao Road LHS						
	Ch.55.0 to Ch.135.0	Sqm	1	80	1.4	0.15	16.8
	RHS						
	Ch.7.00 to Ch.42.00	Sqm	1	36.9	1.4	0.15	7.75
	Ch.109.0 to Ch.132.0	Sqm	1	24.6	1.4	0.15	5.17
	Road No.3 Sharavu Temple Road						
	RHS			17.5		0.45	
	Ch.42.0 to Ch.62.0	Sqm	1	17.5	1.4	0.15	3.68
	Ch.111.0 to Ch. 125.0	Sqm	1	13.5	1.4	0.15	2.84
	Road No.4 GHS Cross Road						
	RHS Ch.80.0 to Ch.94.0	Sqm	1	13.4	1.4	0.15	2.81
	Ch.117.0 to Ch.154	Sqm	1	36.8	1.4	0.15	7.73
	LHS						
	Ch.22.0 to Ch.40.0 Ch.112.0 to Ch.40.0	Sqm Sqm	1	17 17.3	1.4 1.4	0.15 0.15	3.57
	Ch.112.0 to Ch.40.0 Ch.134.0 to Ch.159.0	Sqm	1	25.5	1.4	0.15	<u>3.63</u> 5.36

	Description	Unit	No's	L	В	Н	Qty.
F	Road No.8-Maidan 3rd Cross Road						
	RHS			17.0	<u> </u>		
	Ch.155.0 to Ch.170.0	Sqm	1	15.8	1.4	0.15	
	Ch.120.0 to Ch.173.0	Sqm	1	52.2	1.4	0.15	1
Ť		Oqin		02.2		0.10	
F	Road No.9-Bibi Alabi Road						
(Ch.277.0 to Ch.288.0	Sqm	1	12.5	1.4	0.15	
-	Pavamant						
_	Pavement Road No.1-GHS Road						
	Ch.0 to Ch.10.00	Cum	1.0	10.0	5.7	0.15	
_	Ch.10.0 to Ch.60.00	Cum	1.0	50.0	5.7	0.15	
_	Ch.60.00 to Ch.110.00	Cum	1.0	50.0	5.7	0.15	
(Ch.110.0 to Ch.160.00	Cum	1.0	50.0	5.7	0.15	
+.	Read No 2 D M Rea Read						
_	Road No.2-P.M.Rao Road Ch.0.0 to Ch.50.0	Cum	1.0	50.0	7.2	0.15	
	Ch.50.0 to Ch.100.00	Cum	1.0	50.0	7.3	0.15	
	Ch.100.0 to Ch.145.0.0	Cum	1.0	45.0	7.2	0.15	
	Road No.3-Sharavu Temple Road	0	1.0	20.0	<u> </u>	0.45	
	Ch.0.0 to Ch.30.0 Ch.30.0 to Ch.80.0	Cum	1.0	30.0 50.0	<u>6.2</u> 6.2	0.15	
	Ch.30.0 to Ch.80.0 Ch.80.0 to Ch.130.0	Cum Cum	1.0 1.0	50.0 50.0	<u>6.2</u> 6.4	0.15 0.15	
_	Ch.130.0 to Ch.185.0	Cum	1.0	50.0	4.6	0.15	
ť		Cum	1.0	55.5	ч. 0	0.10	
I	Road No.4-G.H.S. Cross Road						
	Ch.0.0 to Ch.20.0	Cum	1.0	20.0	6.6	0.15	
	Ch.20.0 to Ch.70.0	Cum	1.0	50.0	6.3	0.15	
_	Ch.70.0 to Ch.120.0	Cum	1.0	50.0	6.6	0.15	
-	Ch.120.0 to Ch.180.0	Cum	1.0	60.0	6.6	0.15	
-	Road No.5-Vithoba Temple Road						
	Ch.0.00 to Ch.50.0	Cum	1.0	50.0	2.5	0.15	
_	Ch.50.0 to Ch.100.0	Cum	1.0	50.0	2.7	0.15	
_	Ch.100.00 to Ch.150.0	Cum	1.0	50.0	2.9	0.15	
(Ch.150.0 to Ch.200.0	Cum	1.0	50.0	2.1	0.15	
_	Ch.200.0 to Ch.240.0	Cum	1.0	40.0	3.9	0.15	
_	Ch.240.0 to Ch.290.0	Cum	1.0	50.0	2.6	0.15	
	Ch.290.0 to Ch.340.0	Cum	1.0	50.0	2.6		
_	Ch.340.0 to Ch.390.0	Cum	1.0	50.0	1.9	0.15	
_	Ch.390.0 to Ch. 440.0 Ch.440.0 to Ch.490.0	Cum Cum	1.0 1.0	50.0 50.0	2.4	0.15 0.15	
ť	CI1.440.0 10 CI1.430.0	Cull	1.0	50.0	3.0	0.13	
F	Road No.7-Maidan 1st Cross Road						
	Ch.0.0 to Ch.50.00	Cum	1.0	50.0	7.1	0.15	
(Ch.50.00 to Ch.90.0	Cum	1.0	40.0	7.3	0.15	
+	Desid Ne O Melden And One - Desid						
_	Road No.8-Maidan 3rd Cross Road Ch.0.0 to Ch.20.0	Cum	1.0	20.0	5.2	0.15	
_	Ch.20.0 to Ch.60.0	Cum	1.0	40.0	6.1	0.15	
	Ch.60.0 to Ch.120.0	Cum	1.0	60.0	7.3		
_	Ch.120.0 to Ch.186.0	Cum	1.0	66.0	7.3		
_	Road No.10-Bibi Alabi-Kandak Road						
_	Ch.0.0 to Ch.10.00	Cum	1.0	10.0	3.5	0.15	
	Ch.10.0 to Ch.50.0	Cum	1.0	40.0	5.1	0.15	
_	Ch.50.0 to Ch.110.0	Cum	1.0	60.0	5.1	0.15	
_	Ch.110.0 to Ch.160.0 Ch.160.0 to Ch.200.00	Cum Cum	1.0 1.0	50.0 40.0	4.8	0.15 0.15	
_	Ch.200.0 to Ch.250.0	Cum	1.0	40.0 50.0	3.0	0.15	
	Ch.250.0 to Ch.310.0	Cum	1.0	60.0	4.6		
	Ch.310.0 to ch.350.0	Cum	1.0	40.0	5.1	0.15	
(Ch.350.0 to Ch.400.00	Cum	1.0	50.0	6.0		
(Ch.400.00 to Ch.460.0	Cum	1.0	60.0	5.1	0.15	
+	Dead No. 44 Maidan 446 Once - Dead Forth					├	
	Road No.11-Maidan 4th Cross Road-Extn Ch.0.00 to Ch.10.0	Cum	1.0	10.0	4.9	0.15	
	Ch.10.00 to Ch.10.0	Cum	1.0	30.0	4.9		
_	Ch.40.0 to Ch.90.00	Cum	1.0	50.0	7.0		
(Ch.90.0 to Ch.140.0	Cum	1.0	50.0	6.1	0.15	
	Ch.140.0 to Ch195.0	Cum	1.0	55.0	5.2	0.15	
Ţ						Ţ	
	Road No.13-J.M 1st Cross Road			40.0			
	Ch.0.0 to Ch.10.0	Cum	1.0	10.0 40.0	2.2	0.15	
	Ch.10.0 to Ch.50.0 Ch.50.0 to Ch.100.00	Cum Cum	1.0 1.0	40.0 50.0	2.4	0.15 0.15	
	Ch.50.0 to Ch.100.00 Ch.100.0 to Ch.170.0	Cum	1.0	50.0 70.0	3.4		
	Ch.170.0 to Ch.200.0	Cum	1.0	40.0	2.5		
_	Ch.200.0 to Ch.238.0	Cum	1.0	38.0	2.4		
Ť				20.0			
	Road No.15-Mission Street Road						
			1.0	10.0	5.3	0.15	
(Ch.0.0 to Ch.10.0	Cum					
(Ch.0.0 to Ch.10.0 Ch.10.0 to Ch.60.0 Ch.60.0 to Ch.130.0	Cum Cum Cum	1.0 1.0 1.0	50.0 70.0	7.2	0.15	

KSRRB M600-1.Construction of dy lean comment concrete mix M15 with 15-10 OPC comment @160X(q,with Zhmm and down site graded grade/struptablead metel coarset grade with Coarse and free agregate confirming to EL333 agregate confirm (100 not to excee 15.1. Aggregate grade for the DL333 agregate confirm (100 not to excee 15.1. Aggregate grade for the DL333 agregate confirming to comment end to during mill arguing bare. International with pro- tructure to be determined advers mill arguing bare. International with pro- tructure to be determined advers mill arguing bare. International with pro- tructure tructure to bare. The absolute grade. International with pro- tructure tructure to bare. The absolute grade. International with pro- tructure tructure to a determined and with pro- cells. The second advers mill arguing bare. International with the pro-bare. The second advers mill arguing bare. International with pro- tructure tructure to adverse mill arguing bare. International with the pro-bare. The second adverse mill arguing bare. The second adverse tructure tructure to the second adverse mill arguing bare. The second adverse tructure tructure tructure tructure tructure to the second adverse tructure tructure tructure tructure tructure tructure tructure tructure (SIN: 22.1.1 of KPWD 18-10) Parament International adverse tructure tru	Sr. No.	Description Ch.160.0 to Ch.200.0	Unit Cum	No's 1.0	L 40.0	B 3.0	H 0.15	Qty. 18.18
NHS Car Car <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
D. 255 01 0 FX380 Cm 1.5 1.30 0.60 0.15 Read No.46, H.S. Cross Read Cm 1.0 5.0 1.0 1.0 5.0 1.0 1.0 5.0 1.0 1.0 5.0 1.0								
URS Con So S			Cum	1.0	13.0	0.6	0.15	1.18
LHS Cm Solution Soluti		Road No 4-G H S. Cross Road						
PHS Ch. 200 to Ch. 68.0 Curr Curr Curr Curr Curr Total 40 KSRR M00-1 Construction of dry tean connect concete mix MS with 15:10 OFC connect 6 1700/00, with 25cm and down size graded grantering/basistin 15:10 OFC connect 6 1700/00, with 25cm and down size graded grantering/basistin 15:10 OFC connect 6 11:1, Agricupte and the incident of the second connect concete entry to the less of the incident of the second connect concete entry to the less of the incident of the second concete entry to the less of the incident of the second concete entry to the less of the incident of the second concete entry to the less of the incident of the second concete entry to the less of the incident of the second concete entry to the less of the incident of the second concete entry to the less of the incident of the second concete entry to the less of the incident of the second concete entry to the less of the incident of the second concete entry to the less of the incident of the second concete entry to the less of the incident of the second concete entry to the less of the incident of the second concete entry to the less of the incident of the second concete entry to the less of the incident of the second concete entry to the less of the second concete entry to the second concetee entry to the second concetee entry to the sec								
Char Curr 1.0 93.0 0.2 0.15 Comment & 160%p, why 20mm and down size graded grankterpabeaut multil coarse agergate and the agergate (b. 53.00m sch-base ore prevent infor- prevent in the agergate (b. 53.00m sch-base ore prevent infor- scenare concerpanding in a large agergate (b. 53.00m sch-base ore prevent infor- scenare concerpanding in a large agergate (b. 53.00m sch-base ore prevent infor- prevent in the agergate (b. 53.00m sch-base ore prevent infor- scenare concerpanding in a large agergate (b. 53.00m sch-base ore prevent infor- scenare concerpanding in a large agergate (b. 53.00m sch-base ore prevent infor- prevent in the agergate (b. 53.00m sch-base ore prevent infor- scenare concerpanding in a large interaction, concerpanding in a large interaction is a description as preventications. Morth specification No.001 (b. 00m ch. 100.00m ch. 10m ch. 20mm in 10m ch. 57 0.10 2 Pavement factor Ch. 10.00 ch. 10.00 ch. 10.0			Cum	1.0	53.0	1.8	0.15	14.18
KSRB M000-1 Construction of dy law current concrete mix M5 with 1:510 OPC comment 8 100/kg, with 2:8m and down sing graded granitotraphasel medi conset grant and down sing grade different points and the set grant and down sing grade different points and the set grant and down sing grade different points and the set grade different point into the set grade different and			Cum	1.0	53.0	0.2	0.15	1.83
event @ 1500/g.whi 25mn and down size graded grantstraphosait method grade with (constra und fina aggregate 0.153:03) aggregate content find (constra und fina und fi			Cum				Total	4633.95
Road No.1-GHS Road Cum 1 10 5.7 0.00 4 Ch.10 to Ch.80.00 Cum 1 50 5.7 0.10 2 Ch.80.00 to Ch.110.00 Cum 1 50 5.7 0.10 2 Ch.80.00 to Ch.810.00 Cum 1 50 5.7 0.10 2 Road No.2-P.M.Ro Road Cum 1 50 7.73 0.10 2 Road No.2-Sharav Temple Road Cum 1 50 7.73 0.10 2 Ch.00 to Ch.30.0 Cum 1 50 6.22 0.10 1 Ch.00 to Ch.30.0 Cum 1 50 6.22 0.10 1 Ch.30.0 to Ch.30.0 Cum 1 50 6.35 0.10 2 Road No.5-Chaso.0 Cum 1 50 6.63 0.10 2 Ch.30.0 to Ch.30.0 Cum 1 50 6.63 0.10 2 Ch.30.0 to Ch.30.0 Cum <td< td=""><td>21</td><td>cement @160Kgs,with 25mm and down size graded granite/trap/basalt metal coarse aggregate at 0.86cum and fine aggregate @ 0.58cum Sub-base over prepared sub grade with (coarse and fine aggregate confirming to IS:383) aggregate cement ration not to excee 15:1. Aggregate gradation after blending to be as per Table 600-1, cement content to be determined during trail length construction, concrete strength not to be less than 10Mpa at 7 days,mixed in a batching plant,transported to site,laid with a paver with electronic sensor,compacting with 8-10 tonnes double drum vibratory roller,finishing and curing complete as per specifications.Morth specification No.601</td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	21	cement @160Kgs,with 25mm and down size graded granite/trap/basalt metal coarse aggregate at 0.86cum and fine aggregate @ 0.58cum Sub-base over prepared sub grade with (coarse and fine aggregate confirming to IS:383) aggregate cement ration not to excee 15:1. Aggregate gradation after blending to be as per Table 600-1, cement content to be determined during trail length construction, concrete strength not to be less than 10Mpa at 7 days,mixed in a batching plant,transported to site,laid with a paver with electronic sensor,compacting with 8-10 tonnes double drum vibratory roller,finishing and curing complete as per specifications.Morth specification No.601						
Ch. 10.00 Cum 1 10 5.7 0.10 2 Ch. 10.00 Cum 1 50 7.165 0.10 2 Ch. 10.00 Ch. 10.00 Cum 1 45 7.165 0.10 2 Ch. 00.00 Ch. 1 30 6.2 0.10 3 2 3 0.10 3 3 0.10 3 3 3 0.10 3 3 3 0.10 3 3 3 0 1 5 6 3 3 0 1 3 6 2 0.10 1 3 5 3 0 1 1 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
Ch.10.0 to Ch.80.00 Cum 1 50 5.7 0.10 2 Ch.80.00 to Ch.110.00 Cum 1 50 5.7 0.10 2 Road No.2-P.M.Rao Road Cum 1 50 5.7 0.10 2 Road No.2-P.M.Rao Road Cum 1 50 7.165 0.10 3 Ch.10.0 to Ch.145.0 Cum 1 50 7.165 0.10 3 Ch.10.0 to Ch.145.0 Cum 1 50 7.165 0.10 3 Ch.10.0 to Ch.30.0 Cum 1 50 6.22 0.10 1 Ch.30.0 to Ch.30.0 Cum 1 50 6.22 0.10 1 Ch.30.0 to Ch.30.0 Cum 1 50 6.35 0.10 2 Read No.4 C.H.S. Cross Road Cum 1 50 6.63 0.10 1 Ch.10.0 to Ch.120.0 Cum 1 50 6.65 0.10 3 Ch.10.0 to Ch.150.0 Cum<			Cum	1	10	57	0.10	5.70
CheB0.00 tro Ch.110.00 Cum 1 560 5.7 0.10 2 Ch.110.00 tro Ch.50.00 Cum 1 550 5.7 0.10 2 Ch.0.0 tro Ch.50.0 Cum 1 550 5.7 0.10 2 Ch.60.0 tro Ch.50.0 Cum 1 560 7.165 0.10 3 Ch.100.0 tro Ch.145.0.0 Cum 1 60 7.136 0.10 3 Ch.100.0 tro Ch.145.0.0 Cum 1 50 6.22 0.10 1 Ch.30.0 tro Ch.80.0 Cum 1 50 6.22 0.10 1 Ch.30.0 tro Ch.80.0 Cum 1 50 6.22 0.10 1 Ch.30.0 tro Ch.80.0 Cum 1 50 6.6 0.10 3 Ch.30.0 tro Ch.70.0 Cum 1 50 6.6 0.10 3 Ch.10.0 tro Ch.70.0 Cum 1 60 6.6 0.10 3 Ch.10.0 tro Ch.70.0 Cum<								28.50
Read No.2-P.M.Rao Road Cum 1 50 7.165 0.10 Ch.0.0 to Ch.100.00 Cum 1 560 7.165 0.10 3 Ch.100.0 to Ch.145.0.0 Cum 1 45 7.165 0.10 3 Road No.3-Sharavu Temple Road Cum 1 45 7.165 0.10 3 Ch.00.0 to Ch.30.0 Cum 1 30 6.22 0.10 1 Ch.30.0 to Ch.30.0 Cum 1 80 6.22 0.10 3 Ch.30.0 to Ch.30.0 Cum 1 80 6.2 0.10 3 Ch.130.0 to Ch.30.0 Cum 1 80 6.36 0.10 1 Ch.130.0 to Ch.20.0 Cum 1 80 6.66 0.10 3 Ch.120.0 to Ch.120.0 Cum 1 80 6.66 0.10 3 Ch.120.0 to Ch.120.0 Cum 1 6.06 0.10 3 Ch.120.0 to Ch.120.0 Cum 1		Ch.60.00 to Ch.110.00	Cum		50	5.7	0.10	28.50
Ch.0.0 to Ch.50.0 Cum 1 50 7.165 0.10 33 0.10		Ch.110.0 to Ch.160.00	Cum	1	50	5.7	0.10	28.50
Ch.50.0 to Ch.100.00 Cum 1 60 7.33 0.10 33 Ch.100.0 to Ch.145.0.0 Cum 1 45 7.165 0.10 33 Road No.3-Sharavu Temple Road Cum 1 30 6.22 0.10 3 Ch.0.0 to Ch.30.0 Cum 1 50 6.22 0.10 3 Ch.80.0 to Ch.130.0 Cum 1 50 6.35 0.10 2 Road No.4-G.H.S. Cross Road Cum 1 20 6.6 0.10 2 Ch.0.0 to Ch.70.0 Cum 1 50 6.63 0.10 3 Ch.10.0 to Ch.70.0 Cum 1 50 6.63 0.10 3 Ch.10.0 to Ch.120.0 Cum 1 50 6.6 0.10 3 Ch.10.0 to Ch.120.0 Cum 1 50 2.46 0.10 1 Ch.10.0 to Ch.150.0 Cum 1 50 2.46 0.10 1 Ch.10.0 to Ch.160.0 <td< td=""><td></td><td></td><td>Cum</td><td>1</td><td>50</td><td>7 165</td><td>0.10</td><td>35.83</td></td<>			Cum	1	50	7 165	0.10	35.83
Ch.100.0 to Ch.145.0.0 Cum 1 45 7.165 0.10 3 Road No.3-Sharavu Temple Road Cum 1 30 6.22 0.10 1 Ch.00.0 to Ch.30.0 Cum 1 50 6.32 0.10 1 Ch.30.0 to Ch.80.0 Cum 1 50 6.32 0.10 3 Ch.130.0 to Ch.180.0 Cum 1 50 6.35 0.10 3 Ch.00.0 to Ch.20.0 Cum 1 50 6.63 0.10 1 Ch.00.0 to Ch.120.0 Cum 1 50 6.6 0.10 3 Ch.120.0 to Ch.120.0 Cum 1 50 6.6 0.10 3 Ch.120.0 to Ch.180.0 Cum 1 50 2.46 0.10 1 Ch.100.0 to Ch.180.0 Cum 1 50 2.46 0.10 1 Ch.100.0 to Ch.180.0 Cum 1 50 2.46 0.10 1 Ch.100.0 to Ch.20.0 Cum								36.65
Ch.0.0 to Ch.30.0 Cum 1 30 6.22 0.10 1 Ch.30.0 to Ch.130.0 Cum 1 50 6.26 0.10 3 Ch.30.0 to Ch.130.0 Cum 1 50 6.365 0.10 2 Road No.4-G.H.S. Cross Road Cum 1 55 4.55 0.10 2 Ch.0.0 to Ch.20.0 Cum 1 20 6.6 0.10 1 Ch.20.0 to Ch.70.0 Cum 1 50 6.63 0.10 3 Ch.120.0 to Ch.120.0 Cum 1 60 6.6 0.10 3 Ch.120.0 to Ch.120.0 Cum 1 60 6.6 0.10 3 Ch.120.0 to Ch.120.0 Cum 1 50 2.46 0.10 1 Ch.130.0 to Ch.180.0 Cum 1 50 2.48 0.10 1 Ch.100.0 to Ch.150.0 Cum 1 50 2.88 0.10 1 Ch.100.0 to Ch.150.0 Cum			Cum	1	45			32.24
Ch.30.0 to Ch.80.0 Cum 1 50 6.2 0.10 3 Ch.130.0 to Ch.185.0 Cum 1 55 4.55 0.10 2 Road No.4-6.H.S. Cross Road Cum 1 25 4.55 0.10 2 Ch.0.0 to Ch.20.0 Cum 1 20 6.6 0.10 1 Ch.0.0 to Ch.20.0 Cum 1 20 6.6 0.10 3 Ch.70.0 to Ch.120.0 Cum 1 60 6.6 0.10 3 Ch.120.0 to Ch.120.0 Cum 1 60 6.6 0.10 3 Ch.0.00 to Ch.120.0 Cum 1 60 6.6 0.10 1 Ch.0.00 to Ch.100.0 Cum 1 50 2.46 0.10 1 Ch.10.0.01 to Ch.150.0 Cum 1 50 2.46 0.10 1 Ch.10.0.01 to Ch.150.0 Cum 1 50 2.66 0.10 1 Ch.10.0.01 to Ch.150.0 Cum								
Ch.80.0 to Ch.130.0 Cum 1 50 6.368 0.10 3 Ch.130.0 to Ch.185.0 Cum 1 55 4.55 0.10 2 Road No.4-G.H.S. Cross Road Cum 1 50 6.63 0.10 1 Ch.20.0 to Ch.70.0 Cum 1 50 6.63 0.10 3 Ch.70.0 to Ch.120.0 Cum 1 60 6.66 0.10 3 Ch.120.0 to Ch.180.0 Cum 1 60 6.66 0.10 3 Ch.120.0 to Ch.180.0 Cum 1 50 2.66 0.10 1 Ch.120.0 to Ch.180.0 Cum 1 50 2.46 0.10 1 Ch.130.0 to Ch.180.0 Cum 1 50 2.46 0.10 1 Ch.150.0 to Ch.190.0 Cum 1 50 2.266 0.10 1 Ch.120.0 to Ch.200.0 Cum 1 50 2.266 0.10 1 Ch.200.0 to Ch.200.0 Cum 1 50 2.266 0.10 1 Ch.200.0 to Ch.2								18.66
Ch.130.0 to Ch.185.0 Cum 1 55 4.55 0.10 2 Road No.4-G.H.S. Cross Road Cum 1 20 6.6 0.10 1 Ch.0.0 to Ch.20.0 Cum 1 20 6.6 0.10 1 Ch.70.0 to Ch.120.0 Cum 1 50 6.63 0.10 3 Ch.70.0 to Ch.120.0 Cum 1 60 6.6 0.10 3 Ch.120.0 to Ch.180.0 Cum 1 60 6.6 0.10 3 Road No.5-Vithoba Temple Road Cum 1 50 2.46 0.10 1 Ch.000 to Ch.150.0 Cum 1 50 2.46 0.10 1 Ch.100.00 to Ch.200.0 Cum 1 50 2.46 0.10 1 Ch.200.01 to Ch.240.0 Cum 1 50 2.66 0.10 1 Ch.200.01 to Ch.390.0 Cum 1 50 2.66 0.10 1 Ch.200.01 to Ch.390.0								31.00 31.83
Ch.0.0 to Ch.20.0 Cum 1 20 6.6 0.10 1 Ch.20.0 to Ch.70.0 Cum 1 50 6.3 0.10 3 Ch.70.0 to Ch.120.0 Cum 1 50 6.6 0.10 3 Ch.120.0 to Ch.180.0 Cum 1 60 6.6 0.10 3 Read No.5-Vithoba Temple Road Cum 1 50 2.46 0.10 1 Ch.00.00 to Ch.50.0 Cum 1 50 2.46 0.10 1 Ch.100.00 to Ch.150.0 Cum 1 50 2.86 0.10 1 Ch.200.0 to Ch.240.0 Cum 1 50 2.86 0.10 1 Ch.200.0 to Ch.340.0 Cum 1 50 2.56 0.10 1 Ch.300.0 to Ch.430.0 Cum 1 50 2.56 0.10 1 Ch.300.0 to Ch.430.0 Cum 1 50 2.36 0.10 1 Ch.300.0 to Ch.300.0 Cum <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>25.03</td>								25.03
Ch.20.0 to Ch.70.0 Cum 1 50 6.33 0.10 33 Ch.70.0 to Ch.120.0 Cum 1 50 6.6 0.10 3 Ch.120.0 to Ch.180.0 Cum 1 60 6.6 0.10 3 Road No.5-Vithoba Temple Road Cum 1 50 2.46 0.10 1 Ch.00.0 to Ch.50.0 Cum 1 50 2.66 0.10 1 Ch.50.0 to Ch.100.0 Cum 1 50 2.66 0.10 1 Ch.200.0 to Ch.200.0 Cum 1 50 2.66 0.10 1 Ch.200.0 to Ch.200.0 Cum 1 50 2.56 0.10 1 Ch.200.0 to Ch.300.0 Cum 1 50 2.56 0.10 1 Ch.300.0 to Ch.300.0 Cum 1 50 2.36 0.10 1 Ch.300.0 to Ch.300.0 Cum 1 50 7.12 0.10 3 Ch.300.0 to Ch.300.0 Cum		Road No.4-G.H.S. Cross Road						
Ch.70.0 to Ch.120.0 Cum 1 50 6.6 0.10 33 Ch.120.0 to Ch.180.0 Cum 1 60 6.6 0.10 33 Road No.5-Vithoba Temple Road <			-					13.20
Ch.120.0 to Ch.180.0 Cum 1 60 6.6 0.10 3 Road No.5-Vithoba Temple Road Cum 1 50 2.46 0.10 1 Ch.00.0 to Ch.100.0 Cum 1 50 2.46 0.10 1 Ch.100.0 to Ch.150.0 Cum 1 50 2.46 0.10 1 Ch.100.0 to Ch.150.0 Cum 1 50 2.46 0.10 1 Ch.200.0 to Ch.200.0 Cum 1 50 2.66 0.10 1 Ch.290.0 to Ch.340.0 Cum 1 50 2.56 0.10 1 Ch.390.0 to Ch.440.0 Cum 1 50 2.56 0.10 1 Ch.300.0 to Ch.440.0 Cum 1 50 3.031 0.10 1 Ch.300.0 to Ch.440.0 Cum 1 50 3.031 0.10 1 Ch.400.0 to Ch.490.0 Cum 1 50 7.12 0.10 3 Ch.30.0 to Ch.490.0 <								31.65 33.00
Ch.0.00 to Ch.50.0 Cum 1 50 2.46 0.10 1 Ch.50.0 to Ch.100.0 Cum 1 50 2.66 0.10 1 Ch.100.00 to Ch.150.0 Cum 1 50 2.86 0.10 1 Ch.150.00 to Ch.20.0 Cum 1 40 3.931 0.10 1 Ch.200.0 to Ch.240.0 Cum 1 40 3.931 0.10 1 Ch.240.0 to Ch.240.0 Cum 1 50 2.56 0.10 1 Ch.240.0 to Ch.390.0 Cum 1 50 2.56 0.10 1 Ch.340.0 to Ch.490.0 Cum 1 50 3.031 0.10 1 Ch.340.0 to Ch.490.0 Cum 1 50 3.031 0.10 1 Ch.440.0 to Ch.490.0 Ch.490.0 Cum 1 50 7.12 0.10 3 Ch.0.0 to Ch.50.00 Cum 1 50 7.12 0.10 3 Ch.0.0 to Ch.10.0								39.60
Ch.0.00 to Ch.50.0 Cum 1 50 2.46 0.10 1 Ch.50.0 to Ch.100.0 Cum 1 50 2.66 0.10 1 Ch.100.00 to Ch.150.0 Cum 1 50 2.86 0.10 1 Ch.150.00 to Ch.20.0 Cum 1 40 3.931 0.10 1 Ch.200.0 to Ch.240.0 Cum 1 40 3.931 0.10 1 Ch.240.0 to Ch.240.0 Cum 1 50 2.56 0.10 1 Ch.240.0 to Ch.390.0 Cum 1 50 2.56 0.10 1 Ch.340.0 to Ch.490.0 Cum 1 50 3.031 0.10 1 Ch.340.0 to Ch.490.0 Cum 1 50 3.031 0.10 1 Ch.440.0 to Ch.490.0 Ch.490.0 Cum 1 50 7.12 0.10 3 Ch.0.0 to Ch.50.00 Cum 1 50 7.12 0.10 3 Ch.0.0 to Ch.10.0		Road No.5-Vithoba Temple Road						
Ch.100.00 to Ch.150.0 Cum 1 50 2.86 0.10 1 Ch.150.0 to Ch.240.0 Cum 1 50 2.06 0.10 1 Ch.240.0 to Ch.240.0 Cum 1 40 3.931 0.10 1 Ch.240.0 to Ch.240.0 Cum 1 50 2.56 0.10 1 Ch.240.0 to Ch.340.0 Cum 1 50 2.56 0.10 1 Ch.340.0 to Ch.390.0 Cum 1 50 2.36 0.10 1 Ch.340.0 to Ch.490.0 Cum 1 50 3.031 0.10 1 Ch.340.0 to Ch.490.0 Cum 1 50 3.031 0.10 1 Ch.0.0 to Ch.50.00 Cum 1 50 3.031 0.10 1 Ch.0.0 to Ch.50.00 Cum 1 40 7.33 0.10 2 Ch.0.0 to Ch.50.00 Cum 1 40 7.33 0.10 2 Ch.0.0 to Ch.50.0 Cum 1 20 5.191 0.10 1 Ch.0.0 to Ch.10.0			Cum	1	50	2.46	0.10	12.30
Ch 150.0 to Ch.200.0 Cum 1 50 2.06 0.10 1 Ch 200.0 to Ch.290.0 Cum 1 40 3.931 0.10 1 Ch 200.0 to Ch.290.0 Cum 1 50 2.56 0.10 1 Ch 290.0 to Ch.340.0 Cum 1 50 2.56 0.10 1 Ch 390.0 to Ch.440.0 Cum 1 50 2.36 0.10 1 Ch 440.0 to Ch.490.0 Cum 1 50 3.031 0.10 1 Ch 440.0 to Ch.490.0 Cum 1 50 3.031 0.10 1 Ch 440.0 to Ch.490.0 Cum 1 50 3.031 0.10 1 Ch 0.0 to Ch.50.00 Cum 1 50 7.12 0.10 3 Ch 50.00 to Ch.20.0 Cum 1 40 7.33 0.10 2 Ch 60.0 to Ch.120.0 Cum 1 40 6.99 0.10 2 Ch 60.0 to Ch.120.0 Cum <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>13.30</td>								13.30
Ch.200.0 to Ch.240.0 Cum 1 40 3.931 0.10 1 Ch.240.0 to Ch.290.0 Cum 1 50 2.56 0.10 1 Ch.340.0 to Ch.390.0 Cum 1 50 2.56 0.10 1 Ch.340.0 to Ch.390.0 Cum 1 50 2.36 0.10 1 Ch.340.0 to Ch.490.0 Cum 1 50 2.36 0.10 1 Ch.440.0 to Ch.490.0 Cum 1 50 2.36 0.10 1 Road No.7-Maidan 1st Cross Road Cum 1 50 7.12 0.10 3 Ch.0.0 to Ch.50.00 Cum 1 40 7.33 0.10 2 Ch.0.0 to Ch.80.0 Cum 1 40 7.33 0.10 2 Ch.60.0 to Ch.120.0 Cum 1 60 7.33 0.10 2 Ch.60.0 to Ch.120.0 Cum 1 60 7.33 0.10 4 Ch.10.0 to Ch.186.0 C								14.30
Ch.240.0 to Ch.290.0 Cum 1 50 2.56 0.10 1 Ch.290.0 to Ch.340.0 Cum 1 50 2.56 0.10 1 Ch.390.0 to Ch.390.0 Cum 1 50 2.36 0.10 1 Ch.390.0 to Ch.440.0 Cum 1 50 2.36 0.10 1 Ch.440.0 to Ch.490.0 Cum 1 50 3.031 0.10 1 Ch.440.0 to Ch.490.0 Cum 1 50 7.12 0.10 3 Ch.00.10 Ch.50.00 Cum 1 50 7.12 0.10 3 Ch.50.00 to Ch.90.0 Cum 1 40 7.33 0.10 2 Road No.8-Maidan 3rd Cross Road Cum 1 20 5.191 0.10 1 Ch.60.0 to Ch.120.0 Cum 1 20 5.191 0.10 1 Ch.60.0 to Ch.120.0 Cum 1 66 7.33 0.10 4 Ch.120.0 to Ch.186.0 <				-				10.30 15.72
Ch.340.0 to Ch.390.0 Cum 1 50 1.86 0.10 9 Ch.390.0 to Ch. 440.0 Cum 1 50 2.36 0.10 1 Ch.440.0 to Ch.490.0 Cum 1 50 3.031 0.10 1 Ch.440.0 to Ch.490.0 Cum 1 50 3.031 0.10 1 Road No.7-Maidan 1st Cross Road Cum 1 50 7.12 0.10 3 Ch.0.0 to Ch.50.00 Cum 1 40 7.33 0.10 2 Road No.8-Maidan 3rd Cross Road Cum 1 40 7.33 0.10 2 Ch.0.0 to Ch.60.0 Cum 1 20 5.191 0.10 1 Ch.20.0 to Ch.60.0 Cum 1 60 7.33 0.10 2 Ch.0.0 to Ch.120.0 Cum 1 66 7.33 0.10 4 Ch.10.0 to Ch.136.0 Cum 1 66 7.33 0.10 4 Ch.0.0 to Ch.10.00								12.80
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Ch.440.0 to Ch.490.0 Cum 1 50 3.031 0.10 1 Road No.7-Maidan 1st Cross Road Cum 1 50 7.12 0.10 3 Ch.0.0 to Ch.50.00 Cum 1 50 7.12 0.10 3 Ch.50.00 to Ch.90.0 Cum 1 40 7.33 0.10 2 Road No.8-Maidan 3rd Cross Road Cum 1 20 5.191 0.10 1 Ch.0.0 to Ch.20.0 Cum 1 20 5.191 0.10 1 Ch.20.0 to Ch.120.0 Cum 1 40 6.099 0.10 2 Ch.60.0 to Ch.120.0 Cum 1 40 6.099 0.10 4 Ch.120.0 to Ch.186.0 Cum 1 66 7.33 0.10 4 Road No.10-Bibi Alabi-Kandak Road Cum 1 10 3.47 0.10 2 Ch.10.0 to Ch.10.0 Cum 1 60 5.1 0.10 2 Ch.10.0 to Ch.								9.30
Ch.0.0 to Ch.50.00 Cum 1 50 7.12 0.10 3 Ch.50.00 to Ch.90.0 Cum 1 40 7.33 0.10 2 Road No.8-Maidan 3rd Cross Road <								11.80 15.16
Ch.0.0 to Ch.50.00 Cum 1 50 7.12 0.10 3 Ch.50.00 to Ch.90.0 Cum 1 40 7.33 0.10 2 Road No.8-Maidan 3rd Cross Road <		Road No.7-Maidan 1st Cross Road						
Road No.8-Maidan 3rd Cross Road Cum 1 20 5.191 0.10 1 Ch.0.0 to Ch.20.0 Cum 1 20 5.191 0.10 1 Ch.0.0 to Ch.60.0 Cum 1 40 6.099 0.10 2 Ch.60.0 to Ch.120.0 Cum 1 60 7.33 0.10 4 Ch.120.0 to Ch.186.0 Cum 1 66 7.33 0.10 4 Ch.0.0 to Ch.186.0 Cum 1 66 7.33 0.10 4 Ch.0.0 to Ch.186.0 Cum 1 10 3.47 0.10 4 Ch.0.0 to Ch.186.0 Cum 1 10 3.47 0.10 4 Ch.0.0 to Ch.10.00 Cum 1 10 3.47 0.10 3 Ch.10.0 to Ch.50.0 Ch.110.0 Ch.10.0 to Ch.10.0 Cum 1 40 5.1 0.10 2 Ch.10.0 to Ch.160.0 Cum 1 60 5.1 0.10 3		Ch.0.0 to Ch.50.00						35.60
Ch.0.0 to Ch.20.0 Cum 1 20 5.191 0.10 1 Ch.20.0 to Ch.60.0 Cum 1 40 6.099 0.10 2 Ch.60.0 to Ch.120.0 Cum 1 60 7.33 0.10 4 Ch.120.0 to Ch.180.0 Cum 1 66 7.33 0.10 4 Ch.120.0 to Ch.186.0 Cum 1 66 7.33 0.10 4 Ch.0.0 to Ch.186.0 Cum 1 10 3.47 0.10 4 Ch.0.0 to Ch.10.00 Cum 1 10 3.47 0.10 5 Ch.10.0 to Ch.50.0 Cum 1 40 5.1 0.10 2 Ch.10.0 to Ch.110.0 Cum 1 60 5.1 0.10 2 Ch.10.0 to Ch.20.0 Cum 1 50 4.83 0.10 2 Ch.10.0 to Ch.250.0 Cum 1 50 3.41 0.10 1 Ch.200.0 to Ch.310.0 Cum		Ch.50.00 to Ch.90.0	Cum	1	40	7.33	0.10	29.32
Ch.20.0 to Ch.60.0 Cum 1 40 6.099 0.10 22 Ch.60.0 to Ch.120.0 Cum 1 60 7.33 0.10 44 Ch.120.0 to Ch.186.0 Cum 1 66 7.33 0.10 44 Ch.120.0 to Ch.186.0 Cum 1 66 7.33 0.10 44 Road No.10-Bibi Alabi-Kandak Road Cum 1 10 3.47 0.10 27 Ch.0.0 to Ch.10.00 Cum 1 10 3.47 0.10 27 Ch.10.0 to Ch.50.0 Cum 1 40 5.1 0.10 28 Ch.50.0 to Ch.110.0 Cum 1 60 5.1 0.10 29 Ch.10.0 to Ch.50.0 Cum 1 40 5.1 0.10 29 Ch.50.0 to Ch.110.0 Cum 1 60 5.1 0.10 29 Ch.10.0 to Ch.200.00 Cum 1 40 3.83 0.10 21 Ch.200.0 to Ch.250.0 Cum 1 40 3.41 0.10 11 Ch.310.0 to			Cum	4	20	5 101	0.10	10.38
Ch.60.0 to Ch.120.0 Cum 1 60 7.33 0.10 4 Ch.120.0 to Ch.186.0 Cum 1 66 7.33 0.10 4 Road No.10-Bibi Alabi-Kandak Road Cum 1 66 7.33 0.10 4 Ch.0.0 to Ch.10.00 Cum 1 10 3.47 0.10 3 Ch.10.0 to Ch.10.00 Cum 1 40 5.1 0.10 3 Ch.10.0 to Ch.10.0 Cum 1 60 5.1 0.10 3 Ch.10.0 to Ch.160.0 Cum 1 60 5.1 0.10 3 Ch.110.0 to Ch.160.0 Cum 1 60 5.1 0.10 3 Ch.110.0 to Ch.160.0 Cum 1 40 3.83 0.10 2 Ch.160.0 to Ch.200.00 Cum 1 40 3.83 0.10 1 Ch.200.0 to Ch.310.0 Cum 1 60 4.6 0.10 2 Ch.310.0 to ch.350.0 Cum								24.40
Road No.10-Bibi Alabi-Kandak Road Cum 1 10 3.47 0.10 1 Ch.0.0 to Ch.10.00 Cum 1 10 3.47 0.10 1 Ch.10.0 to Ch.50.0 Cum 1 40 5.1 0.10 2 Ch.50.0 to Ch.110.0 Cum 1 60 5.1 0.10 3 Ch.110.0 to Ch.160.0 Cum 1 60 5.1 0.10 3 Ch.110.0 to Ch.160.0 Cum 1 50 4.83 0.10 2 Ch.160.0 to Ch.200.00 Cum 1 40 3.83 0.10 2 Ch.200.0 to Ch.250.0 Cum 1 50 3.41 0.10 1 Ch.250.0 to Ch.310.0 Cum 1 60 4.6 0.10 2 Ch.310.0 to ch.350.0 Cum 1 40 5.1 0.10 2 Ch.350.0 to Ch.460.0 Cum 1 50 6 0.10 3 Ch.400.00 to Ch.460.0 Cum				1	60			43.98
Ch.0.0 to Ch.10.00 Cum 1 10 3.47 0.10 3.47 Ch.10.0 to Ch.50.0 Cum 1 40 5.1 0.10 2 Ch.50.0 to Ch.110.0 Cum 1 60 5.1 0.10 3 Ch.10.0 to Ch.160.0 Cum 1 60 5.1 0.10 3 Ch.110.0 to Ch.160.0 Cum 1 50 4.83 0.10 2 Ch.160.0 to Ch.200.00 Cum 1 40 3.83 0.10 2 Ch.200.0 to Ch.250.0 Cum 1 50 3.41 0.10 1 Ch.250.0 to Ch.310.0 Cum 1 60 4.6 0.10 2 Ch.310.0 to ch.350.0 Cum 1 40 5.1 0.10 2 Ch.350.0 to Ch.400.00 Cum 1 50 6 0.10 3 Ch.400.00 to Ch.460.0 Cum 1 60 5.1 0.10 3		Ch.120.0 to Ch.186.0	Cum	1	66	7.33	0.10	48.38
Ch.10.0 to Ch.50.0 Cum 1 40 5.1 0.10 2 Ch.50.0 to Ch.110.0 Cum 1 60 5.1 0.10 3 Ch.110.0 to Ch.160.0 Cum 1 50 4.83 0.10 2 Ch.110.0 to Ch.200.00 Cum 1 40 3.83 0.10 1 Ch.200.0 to Ch.250.0 Cum 1 40 3.83 0.10 1 Ch.250.0 to Ch.310.0 Cum 1 50 3.41 0.10 1 Ch.310.0 to ch.350.0 Cum 1 40 5.1 0.10 2 Ch.350.0 to Ch.400.00 Cum 1 40 5.1 0.10 2 Ch.350.0 to Ch.400.00 Cum 1 50 6 0.10 3 Ch.400.00 to Ch.460.0 Cum 1 60 5.1 0.10 3			C		40	0 47	0.40	0 47
Ch.50.0 to Ch.110.0 Cum 1 60 5.1 0.10 33 Ch.110.0 to Ch.160.0 Cum 1 50 4.83 0.10 2 Ch.160.0 to Ch.200.00 Cum 1 40 3.83 0.10 1 Ch.200.0 to Ch.250.0 Cum 1 50 3.41 0.10 1 Ch.250.0 to Ch.310.0 Cum 1 60 4.6 0.10 2 Ch.310.0 to ch.350.0 Cum 1 40 5.1 0.10 2 Ch.350.0 to Ch.400.00 Cum 1 40 5.1 0.10 2 Ch.400.00 to Ch.460.0 Cum 1 50 6 0.10 3 Ch.400.00 to Ch.460.0 Cum 1 60 5.1 0.10 3								3.47 20.40
Ch.110.0 to Ch.160.0 Cum 1 50 4.83 0.10 2 Ch.160.0 to Ch.200.00 Cum 1 40 3.83 0.10 1 Ch.200.0 to Ch.250.0 Cum 1 50 3.41 0.10 1 Ch.250.0 to Ch.310.0 Cum 1 60 4.6 0.10 2 Ch.310.0 to ch.350.0 Cum 1 40 5.1 0.10 2 Ch.350.0 to Ch.400.00 Cum 1 50 6 0.10 3 Ch.400.00 to Ch.460.0 Cum 1 60 5.1 0.10 3								30.60
Ch.200.0 to Ch.250.0 Cum 1 50 3.41 0.10 1 Ch.250.0 to Ch.310.0 Cum 1 60 4.6 0.10 2 Ch.310.0 to ch.350.0 Cum 1 40 5.1 0.10 2 Ch.350.0 to Ch.400.00 Cum 1 50 6 0.10 3 Ch.400.00 to Ch.460.0 Cum 1 50 5.1 0.10 3 Ch.400.00 to Ch.460.0 Cum 1 60 5.1 0.10 3		Ch.110.0 to Ch.160.0	Cum		50	4.83	0.10	24.15
Ch.250.0 to Ch.310.0 Cum 1 60 4.6 0.10 2 Ch.310.0 to ch.350.0 Cum 1 40 5.1 0.10 2 Ch.350.0 to Ch.400.00 Cum 1 50 6 0.10 3 Ch.400.00 to Ch.460.0 Cum 1 60 5.1 0.10 3								15.32
Ch.310.0 to ch.350.0 Cum 1 40 5.1 0.10 2 Ch.350.0 to Ch.400.00 Cum 1 50 6 0.10 3 Ch.400.00 to Ch.460.0 Cum 1 60 5.1 0.10 3								17.05
Ch.350.0 to Ch.400.00 Cum 1 50 6 0.10 3 Ch.400.00 to Ch.460.0 Cum 1 60 5.1 0.10 3								27.60 20.40
Ch.400.00 to Ch.460.0 Cum 1 60 5.1 0.10 3					-			30.00
Road No 11-Maidan /th Cross Road-Evtn								30.60
		Road No.11-Maidan 4th Cross Road-Extn						

Sr. No.							
	Description	Unit	No's	L	В	Н	Qty.
	Ch.10.0 to Ch.40.00	Cum	1	30	4.93	0.10	14.79
	Ch.40.0 to Ch.90.00	Cum	1	50	7	0.10	35.00
	Ch.90.0 to Ch.140.0	Cum	1		6.1	0.10	30.50
	Ch.140.0 to Ch195.0	Cum	1	55	5.2	0.10	28.60
	Road No.13-J.M 1st Cross Road						
	Ch.0.0 to Ch.10.0	Cum	1	10	2.16	0.10	2.16
	Ch.10.0 to Ch.50.0	Cum	1		2.10	0.10	9.44
	Ch.50.0 to Ch.100.00	Cum	1		1.66	0.10	8.30
	Ch.100.0 to Ch.170.0	Cum	1		3.43	0.10	24.01
	Ch.170.0 to Ch.200.0	Cum	1		2.53	0.10	10.12
	Ch.200.0 to Ch.238.0	Cum	1	38	2.36	0.10	8.97
	01.200.0 10 01.200.0	Call			2.00	0.10	0.57
	Road No.15-Mission Street Road						
	Ch.0.0 to Ch.10.0	Cum	1	10	5.3	0.10	5.30
	Ch.10.0 to Ch.60.0	Cum	1	-	7.23	0.10	36.15
	Ch.60.0 to Ch.130.0	Cum	1		3.058	0.10	21.41
	Ch.130.0 to Ch.160.0	Cum	1		2.558	0.10	7.67
	Ch.160.0 to Ch.200.0	Cum	1	40	3.03	0.10	12.12
		• • • • •					
	Patch Work For CC Road						
	Road No.1-GHS Road						
	RHS						
	Ch.275.0 to Ch.288.0	Cum	1	13	0.60	0.10	0.79
		Call		10	0.00	0.10	0.10
	Road No.4-G.H.S. Cross Road			1			
	LHS						
	Ch.15.0 to Ch.68.0	Cum	1	53	1.78	0.10	9.45
	RHS	Juil			1.10	0.10	0.40
	Ch.30.0 to Ch.68.0	Cum	1	53	0.23	0.10	1.22
		Juil	'		5.20	0.10	1.66
		Cum		Total Qty.			1230.23
		Juill		rotar ety.			1200.20
	KSRRB M600-1. Construction of dry lean cement concrete mix M15 with 1:5:10 OPC						
	cement @160Kgs,with 25mm and down size graded granite/trap/basalt metal coarse						
	aggregate at 0.86cum and fine aggregate @ 0.58cum Sub-base over prepared sub						
	grade with (coarse and fine aggregate confirming to IS:383) aggregate cement ration						
	not to excee 15:1. Aggregate gradation after blending to be as per Table 600-1,						
22	cement content to be determined during trail length construction, concrete strength not						
22	to be less than 10Mpa at 7 days, mixed in a batching plant, transported to site, Manually						
	laid and compacting with palte compactor, finishing and curing complete as per						
	MORTH specifications Clause 601.						
	(RA attached)						
	(in randonod)						
	Flush Footpath with Carriageway						
	Road No.1-GHS Road						
	RHS						
		0	4	40	0.04	0.4	0.00
	Level Footpath-Ch.270.00 to Ch.288.00	Cum	1	18	0.21	0.1	0.38
	LHS						
		Cum Cum	1		0.21	0.1	0.38
	LHS Level Footpath-Ch.260.0 to Ch.268.00	Cum	1	8	0.4	0.1	0.32
	LHS Level Footpath-Ch.260.0 to Ch.268.00 Parking-Ch.180.0 to Ch.260.0	Cum Cum	1	8	0.4	0.1	0.32
	LHS Level Footpath-Ch.260.0 to Ch.268.00	Cum	1	8	0.4	0.1	0.32
	LHS Level Footpath-Ch.260.0 to Ch.268.00 Parking-Ch.180.0 to Ch.260.0 Parking-Ch.320.0 to Ch.350.0	Cum Cum	1	8	0.4	0.1	0.32
	LHS Level Footpath-Ch.260.0 to Ch.268.00 Parking-Ch.180.0 to Ch.260.0 Parking-Ch.320.0 to Ch.350.0 Road No.2-P.M.Rao Road	Cum Cum Cum	1	82 30	0.4 2.5 2.5	0.1 0.1 0.1	0.32 20.5 7.5
	LHS Level Footpath-Ch.260.0 to Ch.268.00 Parking-Ch.180.0 to Ch.260.0 Parking-Ch.320.0 to Ch.350.0 Road No.2-P.M.Rao Road Parking-LHS-Ch.10.00 to Ch.50.00	Cum Cum Cum	1	8 82 30 36.2	0.4 2.5 2.5 2.5	0.1 0.1 0.1 0.1	0.32 20.5 7.5 9.05
	LHS Level Footpath-Ch.260.0 to Ch.268.00 Parking-Ch.180.0 to Ch.260.0 Parking-Ch.320.0 to Ch.350.0 Road No.2-P.M.Rao Road	Cum Cum Cum	1	82 30	0.4 2.5 2.5	0.1 0.1 0.1	0.32 20.5 7.5
	LHS Level Footpath-Ch.260.0 to Ch.268.00 Parking-Ch.180.0 to Ch.260.0 Parking-Ch.320.0 to Ch.350.0 Road No.2-P.M.Rao Road Parking-LHS-Ch.10.00 to Ch.50.00 Parking-RHS-Ch.50.00 to Ch.75.00	Cum Cum Cum	1	8 82 30 36.2	0.4 2.5 2.5 2.5	0.1 0.1 0.1 0.1	0.32 20.5 7.5 9.05
	LHS Level Footpath-Ch.260.0 to Ch.268.00 Parking-Ch.180.0 to Ch.260.0 Parking-Ch.320.0 to Ch.350.0 Road No.2-P.M.Rao Road Parking-LHS-Ch.10.00 to Ch.50.00 Parking-RHS-Ch.50.00 to Ch.75.00 Road No.3-Sharavu Temple Road	Cum Cum Cum	1	8 82 30 36.2	0.4 2.5 2.5 2.5	0.1 0.1 0.1 0.1	0.32 20.5 7.5 9.05
	LHS Level Footpath-Ch.260.0 to Ch.268.00 Parking-Ch.180.0 to Ch.260.0 Parking-Ch.320.0 to Ch.350.0 Road No.2-P.M.Rao Road Parking-LHS-Ch.10.00 to Ch.50.00 Parking-RHS-Ch.50.00 to Ch.75.00 Road No.3-Sharavu Temple Road RHS	Cum Cum Cum Cum		8 82 30 36.2 29	0.4 2.5 2.5 2.5 2.5	0.1 0.1 0.1 0.1 0.1	0.32 20.5 7.5 9.05 7.25
	LHS Level Footpath-Ch.260.0 to Ch.268.00 Parking-Ch.180.0 to Ch.260.0 Parking-Ch.320.0 to Ch.350.0 Road No.2-P.M.Rao Road Parking-LHS-Ch.10.00 to Ch.50.00 Parking-RHS-Ch.50.00 to Ch.75.00 Road No.3-Sharavu Temple Road RHS Level Footpath-Ch.165.00 to Ch.185.0	Cum Cum Cum Cum Cum		8 82 30 36.2 29 29 20	0.4 2.5 2.5 2.5 2.5 2.5 0.73	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	0.32 20.5 7.5 9.05 7.25 1.46
	LHS Level Footpath-Ch.260.0 to Ch.268.00 Parking-Ch.180.0 to Ch.260.0 Parking-Ch.320.0 to Ch.350.0 Road No.2-P.M.Rao Road Parking-RHS-Ch.10.00 to Ch.50.00 Parking-RHS-Ch.50.00 to Ch.75.00 Road No.3-Sharavu Temple Road RHS Level Footpath-Ch.165.00 to Ch.185.0 Parking-Ch.15.00 to Ch.33.0	Cum Cum Cum Cum Cum Cum Cum		8 82 30 36.2 29 29 20 18	0.4 2.5 2.5 2.5 2.5 2.5 2.5 0.73 2.5	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	0.32 20.5 7.5 9.05 7.25 1.46 4.5
	LHS Level Footpath-Ch.260.0 to Ch.268.00 Parking-Ch.180.0 to Ch.260.0 Parking-Ch.320.0 to Ch.350.0 Road No.2-P.M.Rao Road Parking-LHS-Ch.10.00 to Ch.50.00 Parking-RHS-Ch.50.00 to Ch.75.00 Road No.3-Sharavu Temple Road RHS Level Footpath-Ch.165.00 to Ch.185.0	Cum Cum Cum Cum Cum		8 82 30 36.2 29 29 20 18	0.4 2.5 2.5 2.5 2.5 2.5 0.73	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	0.32 20.5 7.5 9.05 7.25 1.46
	LHS Level Footpath-Ch.260.0 to Ch.268.00 Parking-Ch.180.0 to Ch.260.0 Parking-Ch.320.0 to Ch.350.0 Road No.2-P.M.Rao Road Parking-LHS-Ch.10.00 to Ch.50.00 Parking-RHS-Ch.50.00 to Ch.75.00 Road No.3-Sharavu Temple Road RHS Level Footpath-Ch.165.00 to Ch.185.0 Parking-Ch.15.00 to Ch.33.0 Parking-Ch.68.00 to Ch.82.0	Cum Cum Cum Cum Cum Cum Cum		8 82 30 36.2 29 29 20 18	0.4 2.5 2.5 2.5 2.5 2.5 2.5 0.73 2.5	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	0.32 20.5 7.5 9.05 7.25 1.46 4.5
	LHS Level Footpath-Ch.260.0 to Ch.268.00 Parking-Ch.180.0 to Ch.260.0 Parking-Ch.320.0 to Ch.350.0 Road No.2-P.M.Rao Road Parking-LHS-Ch.10.00 to Ch.50.00 Parking-RHS-Ch.50.00 to Ch.75.00 Road No.3-Sharavu Temple Road RHS Level Footpath-Ch.165.00 to Ch.185.0 Parking-Ch.15.00 to Ch.33.0 Parking-Ch.68.00 to Ch.82.0	Cum Cum Cum Cum Cum Cum Cum Cum		8 82 30 36.2 29 20 20 18 16.4	0.4 2.5 2.5 2.5 2.5 2.5 0.73 2.5 2.5 2.5	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	0.32 20.5 7.5 9.05 7.25 1.46 4.5 4.1
	LHS Level Footpath-Ch.260.0 to Ch.268.00 Parking-Ch.180.0 to Ch.260.0 Parking-Ch.320.0 to Ch.350.0 Road No.2-P.M.Rao Road Parking-LHS-Ch.10.00 to Ch.50.00 Parking-RHS-Ch.50.00 to Ch.75.00 Road No.3-Sharavu Temple Road RHS Level Footpath-Ch.165.00 to Ch.185.0 Parking-Ch.15.00 to Ch.33.0 Parking-Ch.68.00 to Ch.82.0 Level Footpath-Ch.140.00 to Ch.180.0	Cum Cum Cum Cum Cum Cum Cum Cum Cum		8 82 30 36.2 29 20 18 16.4 16.4 40	0.4 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	0.32 20.5 7.5 9.05 7.25 1.46 4.5 4.1
	LHS Level Footpath-Ch.260.0 to Ch.268.00 Parking-Ch.180.0 to Ch.260.0 Parking-Ch.320.0 to Ch.350.0 Road No.2-P.M.Rao Road Parking-RHS-Ch.10.00 to Ch.50.00 Parking-RHS-Ch.50.00 to Ch.75.00 Road No.3-Sharavu Temple Road RHS Level Footpath-Ch.165.00 to Ch.185.0 Parking-Ch.15.00 to Ch.33.0 Parking-Ch.15.00 to Ch.82.0 Level Footpath-Ch.140.00 to Ch.180.0 Parking-Ch.15.0 to Ch.180.0	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum		8 82 30 36.2 29 20 18 16.4 16.4 30	0.4 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	0.32 20.5 7.5 9.05 7.25 1.46 4.5 4.1 4.72 7.5
	LHS Level Footpath-Ch.260.0 to Ch.268.00 Parking-Ch.180.0 to Ch.260.0 Parking-Ch.320.0 to Ch.350.0 Road No.2-P.M.Rao Road Parking-LHS-Ch.10.00 to Ch.50.00 Parking-RHS-Ch.50.00 to Ch.75.00 Road No.3-Sharavu Temple Road RHS Level Footpath-Ch.165.00 to Ch.185.0 Parking-Ch.15.00 to Ch.33.0 Parking-Ch.68.00 to Ch.82.0 Level Footpath-Ch.140.00 to Ch.180.0	Cum Cum Cum Cum Cum Cum Cum Cum Cum		8 82 30 36.2 29 20 18 16.4 16.4 40 30	0.4 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	0.32 20.5 7.5 9.05 7.25 1.46 4.5 4.1
	LHS Level Footpath-Ch.260.0 to Ch.268.00 Parking-Ch.180.0 to Ch.260.0 Parking-Ch.320.0 to Ch.350.0 Road No.2-P.M.Rao Road Parking-LHS-Ch.10.00 to Ch.50.00 Parking-RHS-Ch.50.00 to Ch.75.00 Road No.3-Sharavu Temple Road RHS Level Footpath-Ch.165.00 to Ch.185.0 Parking-Ch.15.00 to Ch.33.0 Parking-Ch.68.00 to Ch.82.0 Level Footpath-Ch.140.00 to Ch.180.0 Parking-Ch.15.0 to Ch.42.0 Parking-Ch.65.0 to Ch.85.0	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum		8 82 30 36.2 29 20 18 16.4 16.4 30	0.4 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	0.32 20.5 7.5 9.05 7.25 1.46 4.5 4.1 4.72 7.5
	LHS Level Footpath-Ch.260.0 to Ch.268.00 Parking-Ch.180.0 to Ch.260.0 Parking-Ch.320.0 to Ch.350.0 Road No.2-P.M.Rao Road Parking-LHS-Ch.10.00 to Ch.50.00 Parking-RHS-Ch.50.00 to Ch.75.00 Road No.3-Sharavu Temple Road RHS Level Footpath-Ch.165.00 to Ch.185.0 Parking-Ch.15.00 to Ch.33.0 Parking-Ch.68.00 to Ch.82.0 LHS Level Footpath-Ch.140.00 to Ch.180.0 Parking-Ch.15.0 to Ch.42.0 Parking-Ch.15.0 to Ch.45.0 Road No.4-G.H.S. Cross Road	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum		8 82 30 36.2 29 20 18 16.4 16.4 30	0.4 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	0.32 20.5 7.5 9.05 7.25 1.46 4.5 4.1 4.72 7.5
	LHS Level Footpath-Ch.260.0 to Ch.268.00 Parking-Ch.180.0 to Ch.260.0 Parking-Ch.320.0 to Ch.350.0 Road No.2-P.M.Rao Road Parking-LHS-Ch.10.00 to Ch.50.00 Parking-RHS-Ch.50.00 to Ch.75.00 Road No.3-Sharavu Temple Road RHS Level Footpath-Ch.165.00 to Ch.185.0 Parking-Ch.15.00 to Ch.33.0 Parking-Ch.68.00 to Ch.82.0 LHS Level Footpath-Ch.140.00 to Ch.180.0 Parking-Ch.5.0 to Ch.42.0 Parking-Ch.5.0 to Ch.85.0 Road No.4-G.H.S. Cross Road RHS	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum		8 82 30 36.2 29 20 18 16.4 40 30 20	0.4 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	0.32 20.5 7.5 9.05 7.25 1.46 4.5 4.1 4.72 7.5 5
	LHS Level Footpath-Ch.260.0 to Ch.268.00 Parking-Ch.180.0 to Ch.260.0 Parking-Ch.320.0 to Ch.350.0 Road No.2-P.M.Rao Road Parking-LHS-Ch.10.00 to Ch.50.00 Parking-RHS-Ch.50.00 to Ch.75.00 Road No.3-Sharavu Temple Road RHS Level Footpath-Ch.165.00 to Ch.185.0 Parking-Ch.15.00 to Ch.33.0 Parking-Ch.68.00 to Ch.82.0 LHS Level Footpath-Ch.140.00 to Ch.180.0 Parking-Ch.15.0 to Ch.42.0 Parking-Ch.15.0 to Ch.485.0 Road No.4-G.H.S. Cross Road RHS Ch.35.00 to Ch.50.0	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum		8 82 30 36.2 29 20 18 16.4 16.4 30	0.4 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	0.32 20.5 7.5 9.05 7.25 1.46 4.5 4.1 4.72 7.5
	LHS Level Footpath-Ch.260.0 to Ch.268.00 Parking-Ch.180.0 to Ch.260.0 Parking-Ch.320.0 to Ch.350.0 Road No.2-P.M.Rao Road Parking-LHS-Ch.10.00 to Ch.50.00 Parking-RHS-Ch.50.00 to Ch.75.00 Road No.3-Sharavu Temple Road RHS Level Footpath-Ch.165.00 to Ch.185.0 Parking-Ch.15.00 to Ch.33.0 Parking-Ch.15.00 to Ch.82.0 Level Footpath-Ch.140.00 to Ch.180.0 Parking-Ch.15.0 to Ch.42.0 Parking-Ch.15.0 to Ch.42.0 Parking-Ch.50.0 to Ch.85.0 Ch.35.00 to Ch.85.0 Ch.35.00 to Ch.85.0 Level Footpath-Ch.140.00 to Ch.180.0 Parking-Ch.50.0 to Ch.85.0 Level Footpath-Ch.140.00 to Ch.180.0 Parking-Ch.50.0 to Ch.85.0 Level Footpath-Ch.140.00 to Ch.180.0 Parking-Ch.50.0 to Ch.85.0	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum		8 82 30 36.2 29 20 18 16.4 16.4 40 30 20 20 18 15	0.4 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	0.32 20.5 7.5 9.05 7.25 1.46 4.5 4.1 4.72 7.5 5 1.91
	LHS Level Footpath-Ch.260.0 to Ch.268.00 Parking-Ch.180.0 to Ch.260.0 Parking-Ch.320.0 to Ch.350.0 Road No.2-P.M.Rao Road Parking-LHS-Ch.10.00 to Ch.50.00 Parking-RHS-Ch.50.00 to Ch.75.00 Road No.3-Sharavu Temple Road RHS Level Footpath-Ch.165.00 to Ch.185.0 Parking-Ch.15.00 to Ch.33.0 Parking-Ch.68.00 to Ch.82.0 LHS Level Footpath-Ch.140.00 to Ch.180.0 Parking-Ch.15.0 to Ch.42.0 Parking-Ch.15.0 to Ch.485.0 Road No.4-G.H.S. Cross Road RHS Ch.35.00 to Ch.50.0	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum		8 82 30 36.2 29 20 18 16.4 40 30 20	0.4 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	0.32 20.5 7.5 9.05 7.25 1.46 4.5 4.1 4.72 7.5 5
	LHS Level Footpath-Ch.260.0 to Ch.268.00 Parking-Ch.180.0 to Ch.260.0 Parking-Ch.320.0 to Ch.350.0 Road No.2-P.M.Rao Road Parking-LHS-Ch.10.00 to Ch.50.00 Parking-RHS-Ch.50.00 to Ch.75.00 Road No.3-Sharavu Temple Road RHS Level Footpath-Ch.165.00 to Ch.185.0 Parking-Ch.15.00 to Ch.33.0 Parking-Ch.15.00 to Ch.38.0 Parking-Ch.15.00 to Ch.185.0 Parking-Ch.15.00 to Ch.38.0 Parking-Ch.15.00 to Ch.38.0 Parking-Ch.15.00 to Ch.38.0 Parking-Ch.15.00 to Ch.82.0 Ch.85.00 to Ch.82.0 Level Footpath-Ch.140.00 to Ch.180.0 Parking-Ch.15.0 to Ch.42.0 Parking-Ch.15.0 to Ch.42.0 Parking-Ch.65.0 to Ch.85.0 Ch.35.00 to Ch.50.0 LHS Level Footpath-Ch.15.0 to Ch.85.0 Ch.35.00 to Ch.50.0 LHS Ch.35.00 to Ch.50.0 LHS Ch.35.00 to Ch.50.0 Ch.35.0 to Ch.90.0	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum		8 82 30 36.2 29 20 18 16.4 16.4 40 30 20 20 18 15	0.4 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	0.32 20.5 7.5 9.05 7.25 1.46 4.5 4.1 4.72 7.5 5 1.91
	LHS Level Footpath-Ch.260.0 to Ch.268.00 Parking-Ch.180.0 to Ch.260.0 Parking-Ch.320.0 to Ch.350.0 Road No.2-P.M.Rao Road Parking-LHS-Ch.10.00 to Ch.50.00 Parking-RHS-Ch.50.00 to Ch.75.00 Road No.3-Sharavu Temple Road RHS Level Footpath-Ch.165.00 to Ch.185.0 Parking-Ch.15.00 to Ch.33.0 Parking-Ch.15.00 to Ch.38.0 Parking-Ch.15.00 to Ch.185.0 Parking-Ch.15.00 to Ch.180.0 Parking-Ch.15.00 to Ch.180.0 Parking-Ch.15.00 to Ch.180.0 Parking-Ch.15.00 to Ch.180.0 Parking-Ch.15.0 to Ch.42.0 Parking-Ch.15.0 to Ch.42.0 Parking-Ch.65.0 to Ch.85.0 Ch.35.00 to Ch.50.0 LHS Ch.35.0 to Ch.90.0 Ch.35.0 to Ch.90.0 Ch.35.0 to Ch.90.0 </td <td>Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum</td> <td></td> <td>8 82 30 36.2 29 20 18 16.4 16.4 40 30 20 20 18 15</td> <td>0.4 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5</td> <td>0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1</td> <td>0.32 20.5 7.5 9.05 7.25 1.46 4.5 4.1 4.72 7.5 5 1.91</td>	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum		8 82 30 36.2 29 20 18 16.4 16.4 40 30 20 20 18 15	0.4 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	0.32 20.5 7.5 9.05 7.25 1.46 4.5 4.1 4.72 7.5 5 1.91
	LHS Level Footpath-Ch.260.0 to Ch.268.00 Parking-Ch.180.0 to Ch.260.0 Parking-Ch.320.0 to Ch.350.0 Road No.2-P.M.Rao Road Parking-LHS-Ch.10.00 to Ch.50.00 Parking-RHS-Ch.50.00 to Ch.75.00 Road No.3-Sharavu Temple Road RHS Level Footpath-Ch.165.00 to Ch.185.0 Parking-Ch.15.00 to Ch.33.0 Parking-Ch.68.00 to Ch.180.0 Parking-Ch.15.00 to Ch.180.0 Parking-Ch.15.0 to Ch.42.0 Parking-Ch.15.0 to Ch.42.0 Parking-Ch.15.0 to Ch.85.0 Ch.35.00 to Ch.50.0 LHS Ch.35.00 to Ch.50.0 LHS Ch.35.00 to Ch.50.0 LHS Ch.65.0 to Ch.90.0 Ch.65.0 to Ch.90.0 Ch.65.0 to Ch.90.0 Ch.65.0 to Ch.90.0	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum		8 82 30 36.2 29 20 18 16.4 40 30 20 15 40 40	0.4 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	0.32 20.5 7.5 9.05 7.25 1.46 4.5 4.1 4.72 7.5 5 1.91 4.4
	LHS Level Footpath-Ch.260.0 to Ch.268.00 Parking-Ch.180.0 to Ch.260.0 Parking-Ch.320.0 to Ch.350.0 Road No.2-P.M.Rao Road Parking-LHS-Ch.10.00 to Ch.50.00 Parking-RHS-Ch.50.00 to Ch.75.00 Road No.3-Sharavu Temple Road RHS Level Footpath-Ch.165.00 to Ch.185.0 Parking-Ch.15.00 to Ch.33.0 Parking-Ch.68.00 to Ch.82.0 LHS Level Footpath-Ch.140.00 to Ch.180.0 Parking-Ch.15.00 to Ch.38.0 Road No.4-G.H.S. Cross Road RHS Level Footpath-Ch.140.00 to Ch.180.0 Parking-Ch.15.0 to Ch.42.0 Parking-Ch.15.0 to Ch.50.0 LHS Ch.35.00 to Ch.50.0 LHS Ch.35.0 to Ch.90.0 </td <td>Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum</td> <td></td> <td>8 82 30 36.2 29 20 18 16.4 40 30 20 20 115 40 40 197</td> <td>0.4 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5</td> <td>0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1</td> <td>0.32 20.5 7.5 9.05 7.25 1.46 4.5 4.1 4.72 7.5 5 1.91 4.4 27.78</td>	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum		8 82 30 36.2 29 20 18 16.4 40 30 20 20 115 40 40 197	0.4 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	0.32 20.5 7.5 9.05 7.25 1.46 4.5 4.1 4.72 7.5 5 1.91 4.4 27.78
	LHS Level Footpath-Ch.260.0 to Ch.268.00 Parking-Ch.180.0 to Ch.260.0 Parking-Ch.320.0 to Ch.350.0 Road No.2-P.M.Rao Road Parking-LHS-Ch.10.00 to Ch.50.00 Parking-RHS-Ch.50.00 to Ch.75.00 Road No.3-Sharavu Temple Road RHS Level Footpath-Ch.165.00 to Ch.185.0 Parking-Ch.15.00 to Ch.33.0 Parking-Ch.68.00 to Ch.180.0 Parking-Ch.15.00 to Ch.180.0 Parking-Ch.15.0 to Ch.42.0 Parking-Ch.15.0 to Ch.42.0 Parking-Ch.15.0 to Ch.85.0 Ch.35.00 to Ch.50.0 LHS Ch.35.00 to Ch.50.0 LHS Ch.35.00 to Ch.50.0 LHS Ch.65.0 to Ch.90.0 Ch.65.0 to Ch.90.0 Ch.65.0 to Ch.90.0 Ch.65.0 to Ch.90.0	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum		8 82 30 36.2 29 20 18 16.4 40 30 20 15 40 40	0.4 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	0.32 20.5 7.5 9.05 7.25 1.46 4.5 4.1 4.72 7.5 5 1.91 4.4
	LHS Level Footpath-Ch.260.0 to Ch.268.00 Parking-Ch.180.0 to Ch.260.0 Parking-Ch.320.0 to Ch.350.0 Road No.2-P.M.Rao Road Parking-LHS-Ch.10.00 to Ch.50.00 Parking-RHS-Ch.50.00 to Ch.75.00 Road No.3-Sharavu Temple Road RHS Level Footpath-Ch.165.00 to Ch.185.0 Parking-Ch.50.00 to Ch.185.0 Parking-Ch.15.00 to Ch.33.0 Parking-Ch.68.00 to Ch.82.0 Level Footpath-Ch.140.00 to Ch.180.0 Parking-Ch.15.0 to Ch.42.0 Parking-Ch.50. to Ch.42.0 Parking-Ch.65.0 to Ch.85.0 RHS Level Footpath-Ch.140.00 to Ch.180.0 Parking-Ch.15.0 to Ch.42.0 Parking-Ch.50.0 to Ch.50.0 LHS Level Footpath-Ch.50.0 to Ch.50.0 RHS Ch.35.00 to Ch.50.0 LHS Ch.65.0 to Ch.90.0 Ch.65.0 to Ch.90.0 Ch.65.0 to Ch.212.0 Ch.15.0 to Ch.485.0	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum		8 82 30 36.2 29 20 18 16.4 40 30 20 20 115 40 40 197	0.4 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	0.32 20.5 7.5 9.05 7.25 1.46 4.5 4.1 4.72 7.5 5 1.91 4.4 27.78
	LHS Level Footpath-Ch.260.0 to Ch.268.00 Parking-Ch.180.0 to Ch.260.0 Parking-Ch.320.0 to Ch.350.0 Road No.2-P.M.Rao Road Parking-LHS-Ch.10.00 to Ch.50.00 Parking-RHS-Ch.50.00 to Ch.75.00 Road No.3-Sharavu Temple Road RHS Level Footpath-Ch.165.00 to Ch.185.0 Parking-Ch.15.00 to Ch.33.0 Parking-Ch.15.00 to Ch.33.0 Parking-Ch.15.00 to Ch.82.0 Level Footpath-Ch.140.00 to Ch.180.0 Parking-Ch.15.0 to Ch.42.0 Parking-Ch.50.0 to Ch.85.0 Ch.35.00 to Ch.50.0 LHS Level Footpath-Ch.140.00 to Ch.180.0 Parking-Ch.50.0 to Ch.85.0 Ch.35.00 to Ch.50.0 LHS Ch.35.00 to Ch.50.0 LHS Ch.35.00 to Ch.50.0 LHS Ch.35.00 to Ch.90.0 Ch.35.00 to Ch.90.0 Ch.65.0 to Ch.90.0 Ch.65.0 to Ch.90.0 Ch.15.0 to Ch.212.0 Ch.15.0 to Ch.485.0 Ch.215.0 to Ch.485.0 Ch.215.0 to Ch.485.0	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum		8 82 30 36.2 29 20 18 16.4 40 30 20 10 15 40 40 30 20 20 115 15 270	0.4 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	0.32 20.5 7.5 9.05 7.25 1.46 4.5 4.1 4.72 7.5 5 1.91 4.4 27.78 38.88
	LHS Level Footpath-Ch.260.0 to Ch.268.00 Parking-Ch.180.0 to Ch.260.0 Parking-Ch.320.0 to Ch.350.0 Road No.2-P.M.Rao Road Parking-LHS-Ch.10.00 to Ch.50.00 Parking-RHS-Ch.50.00 to Ch.75.00 Road No.3-Sharavu Temple Road RHS Level Footpath-Ch.165.00 to Ch.185.0 Parking-Ch.50.00 to Ch.185.0 Parking-Ch.15.00 to Ch.33.0 Parking-Ch.68.00 to Ch.82.0 Level Footpath-Ch.140.00 to Ch.180.0 Parking-Ch.15.0 to Ch.42.0 Parking-Ch.50. to Ch.42.0 Parking-Ch.65.0 to Ch.85.0 RHS Level Footpath-Ch.140.00 to Ch.180.0 Parking-Ch.15.0 to Ch.42.0 Parking-Ch.50.0 to Ch.50.0 LHS Level Footpath-Ch.50.0 to Ch.50.0 RHS Ch.35.00 to Ch.50.0 LHS Ch.65.0 to Ch.90.0 Ch.65.0 to Ch.90.0 Ch.65.0 to Ch.212.0 Ch.15.0 to Ch.485.0	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum		8 82 30 36.2 29 20 18 16.4 40 30 20 20 15 40 40 30 20 20 197 270	0.4 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	0.32 20.5 7.5 9.05 7.25 1.46 4.5 4.1 4.72 7.5 5 1.91 4.4 27.78
	LHS Level Footpath-Ch.260.0 to Ch.268.00 Parking-Ch.180.0 to Ch.260.0 Parking-Ch.320.0 to Ch.350.0 Road No.2-P.M.Rao Road Parking-LHS-Ch.10.00 to Ch.50.00 Parking-RHS-Ch.50.00 to Ch.75.00 Road No.3-Sharavu Temple Road RHS Level Footpath-Ch.165.00 to Ch.185.0 Parking-Ch.15.00 to Ch.33.0 Parking-Ch.15.00 to Ch.33.0 Parking-Ch.15.00 to Ch.82.0 Level Footpath-Ch.140.00 to Ch.180.0 Parking-Ch.15.0 to Ch.42.0 Parking-Ch.50.0 to Ch.85.0 Ch.35.00 to Ch.50.0 LHS Level Footpath-Ch.140.00 to Ch.180.0 Parking-Ch.50.0 to Ch.85.0 Ch.35.00 to Ch.50.0 LHS Ch.35.00 to Ch.50.0 LHS Ch.35.00 to Ch.50.0 LHS Ch.35.00 to Ch.90.0 Ch.35.00 to Ch.90.0 Ch.65.0 to Ch.90.0 Ch.65.0 to Ch.90.0 Ch.15.0 to Ch.212.0 Ch.15.0 to Ch.485.0 Ch.215.0 to Ch.485.0 Ch.215.0 to Ch.485.0	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum		8 82 30 36.2 29 20 18 16.4 40 30 20 10 15 40 40 30 20 20 115 15 270	0.4 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	0.32 20.5 7.5 9.05 7.25 1.46 4.5 4.1 4.72 7.5 5 1.91 4.4 27.78 38.88
	LHS Level Footpath-Ch.260.0 to Ch.268.00 Parking-Ch.180.0 to Ch.260.0 Parking-Ch.320.0 to Ch.350.0 Road No.2-P.M.Rao Road Parking-LHS-Ch.10.00 to Ch.50.00 Parking-RHS-Ch.50.00 to Ch.75.00 Road No.3-Sharavu Temple Road RHS Level Footpath-Ch.165.00 to Ch.185.0 Parking-Ch.15.00 to Ch.33.0 Parking-Ch.68.00 to Ch.82.0 LHS Level Footpath-Ch.140.00 to Ch.180.0 Parking-Ch.15.0 to Ch.42.0 Parking-Ch.15.0 to Ch.42.0 Parking-Ch.65.0 to Ch.85.0 Ch.35.00 to Ch.50.0 RHS Level Footpath-Ch.140.00 to Ch.180.0 Parking-Ch.65.0 to Ch.42.0 Parking-Ch.00 to Ch.42.0 Parking-Ch.00 to Ch.42.0 Parking-Ch.65.0 to Ch.42.0 Parking-Ch.65.0 to Ch.42.0 Parking-Ch.00 to Ch.42.0 Read No.4-G.H.S. Cross Road RHS Ch.35.00 to Ch.50.0 LHS Ch.65.0 to Ch.90.0 Road No.5-Vithoba Temple Road LHS Ch.15.0 to Ch.485.0 Ch.15.0 to Ch.48	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum		8 82 30 36.2 29 20 18 16.4 40 30 20 10 15 40 40 30 20 20 115 15 270	0.4 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	0.32 20.5 7.5 9.05 7.25 1.46 4.5 4.1 4.72 7.5 5 1.91 4.4 27.78 38.88
	LHS Level Footpath-Ch.260.0 to Ch.268.00 Parking-Ch.180.0 to Ch.260.0 Parking-Ch.320.0 to Ch.350.0 Road No.2-P.M.Rao Road Parking-LHS-Ch.10.00 to Ch.50.00 Parking-LHS-Ch.50.00 to Ch.75.00 Road No.3-Sharavu Temple Road RHS Level Footpath-Ch.165.00 to Ch.185.0 Parking-Ch.50.00 to Ch.33.0 Parking-Ch.68.00 to Ch.33.0 Parking-Ch.68.00 to Ch.82.0 Level Footpath-Ch.140.00 to Ch.180.0 Parking-Ch.65.0 to Ch.82.0 Level Footpath-Ch.140.00 to Ch.180.0 Parking-Ch.65.0 to Ch.82.0 Ch.35.00 to Ch.82.0 Earking-Ch.65.0 to Ch.82.0 Road No.4-G.H.S. Cross Road RHS Ch.65.0 to Ch.90.0 RDS Ch.65.0 to Ch.90.0 Road No.5-Vithoba Temple Road LHS Ch.15.0 to Ch.42.0 Road No.5-Vithoba Temple Road Ch.15.0 to Ch.212.0 Ch.15.0 to Ch.485.0 RHS Ch.15.0 to Ch.485.0 RHS Ch.15.0 to Ch.485.0 Ch.15.0 to Ch.485.0	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum		8 82 30 36.2 29 20 18 16.4 40 30 20 20 115 40 30 20 20 197 270 470 470	0.4 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	0.32 20.5 7.5 9.05 7.25 1.46 4.5 4.1 4.72 7.5 5 1.91 4.4 27.78 38.88 75.67
	LHS Level Footpath-Ch.260.0 to Ch.268.00 Parking-Ch.180.0 to Ch.260.0 Parking-Ch.320.0 to Ch.350.0 Road No.2-P.M.Rao Road Parking-LHS-Ch.10.00 to Ch.50.00 Parking-RHS-Ch.50.00 to Ch.75.00 Road No.3-Sharavu Temple Road RHS Level Footpath-Ch.165.00 to Ch.185.0 Parking-Ch.15.00 to Ch.33.0 Parking-Ch.68.00 to Ch.82.0 LHS Level Footpath-Ch.140.00 to Ch.180.0 Parking-Ch.15.0 to Ch.42.0 Parking-Ch.15.0 to Ch.42.0 Parking-Ch.65.0 to Ch.85.0 Ch.35.00 to Ch.50.0 RHS Level Footpath-Ch.140.00 to Ch.180.0 Parking-Ch.65.0 to Ch.42.0 Parking-Ch.00 to Ch.42.0 Parking-Ch.00 to Ch.42.0 Parking-Ch.65.0 to Ch.42.0 Parking-Ch.65.0 to Ch.42.0 Parking-Ch.00 to Ch.42.0 Read No.4-G.H.S. Cross Road RHS Ch.35.00 to Ch.50.0 LHS Ch.65.0 to Ch.90.0 Road No.5-Vithoba Temple Road LHS Ch.15.0 to Ch.485.0 Ch.15.0 to Ch.48	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum		8 82 30 36.2 29 20 18 16.4 40 30 20 20 15 15 40 40 30 20 20 197 270	0.4 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	0.32 20.5 7.5 9.05 7.25 1.46 4.5 4.1 4.72 7.5 5 1.91 4.4 27.78 38.88

Sr. No.	Description	Unit	No's	L	В	Н	Qty.
	Level Footpath-Ch.0.0 to Ch.38.0	Cum	1	40	1.58	0.1	6.32
	Level Footpath-Ch.138.0 to Ch.218.0	Cum	1	80	1.5	0.1	12
	Level Footpath-Ch.248.0 to Ch.260.0	Cum	1	12	1.54	0.1	1.85
	Level Footpath-Ch.288.0 to Ch.308.0 Parking-Ch.55.00 to Ch. 130.0	Cum Cum	1	20 75	1.29 2.5	0.1	2.58 18.75
	Parking-Ch.140.0 to Ch.150.0	Cum	1	10.5	2.5	0.1	2.63
	RHS						
	Level Footpath-Ch.5.00to Ch.40.0 Level Footpath-Ch.160.00 to Ch.210.0	Cum Cum	1	35 50	1.35 1.21	0.1	4.73 6.05
	Level Footpath-Ch.240.0 to Ch.220.0	Cum	1	80	1.21	0.1	10.24
	Level Footpath-Ch.400.0 to Ch.430.0	Cum	1	30	1.11	0.1	3.33
	Level Footpath-Ch.455.0 to Ch.465.0	Cum	1	10	2.42	0.1	2.42
	Road No.10-Bibi Alabi-Kandak Road						
	RHS						
	Ch.12.0 to Ch.38.0	Cum	1	26	0.41	0.1	1.07
	LHS Ch.168.0 to Ch.188.0	Cum	1	20	0.46	0.1	0.92
	Ch.240.0 to Ch.260.0	Cum	1	20	0.40	0.1	0.62
	Ch.270.0 to Ch.300.0	Cum	1	30	0.52	0.1	1.56
	Ch.300.00 to Ch.320.0	Cum	1	20	0.73	0.1	1.46
	Ch.400.0 to Ch.425.0	Cum	1	25	1.11	0.1	2.78
	Road No.11-Maidan 4th Cross Road-Extn						
	LHS						
	Ch.90.0 to Ch.180.0 Ch.30.0 to Ch.50.0	Cum Cum	1	90 20	0.8	0.1	7.2 2.14
	RHS	Cum	1	20	1.07	0.1	2.14
	Ch.70.0 to Ch.80.0	Cum	1	10	0.23	0.1	0.23
	Ch.115.0 to Ch.185.0	Cum	1	70	1.31	0.1	9.17
	Parking-LHS	Cum	1	46.8	2.5	0.1	11.7
	Parking-RHS	Cum	1	40.0	2.5	0.1	15
	Parking-RHS	Cum	1	53.2	2.5	0.1	13.3
	Deed No. 42 LM det Orece Deed	-	-				
	Road No.13-J.M 1st Cross Road LHS						
	Ch.0.0 to Ch.90.0	Cum	1	90	1.1	0.1	9.9
	Ch.95.0 to Ch.130.0	Cum	1	40	0.56	0.1	2.24
	Ch.200.0 to Ch.220.0 Ch.230.0 to Ch.235.0	Cum Cum	1	20 5	0.24 4.37	0.1	0.48
	RHS	Cum	1	5	4.57	0.1	2.15
	Ch.0.0 to Ch.130.0	Cum	1	130	1	0.1	13
	Ch.200.0 to Ch.240.0	Cum	1	40	0.5	0.1	2
	Road No.15-Mission Street Road						
	LHS						
	Ch.20.0 to Ch.90.0	Cum	1	70	1.52	0.1	10.64
	Ch.120.0 to Ch.190.0 RHS	Cum	1	70	1.08	0.1	7.56
	Ch.130.0 to Ch.180.0	Cum	1	50	1.05	0.1	5.25
	Road No.9-Bibi Alabi Road						
	Median	Cum	1	355	1.1	0.10	39.05
	Two Wheeler Parking						
	Road No.2-PM Rao Road						
	LHS Ch.55.0 to Ch.135.0	Cam	1	00	1.4	0.10	11.0
	RHS	Sqm	1	80	1.4	0.10	11.2
	Ch.7.00 to Ch.42.00	Sqm	1	36.9	1.4	0.10	5.17
	Ch.109.0 to Ch.132.0	Sqm	1	24.6	1.4	0.10	3.44
	Road No.3 Sharavu Temple Road						
	RHS						
	Ch.42.0 to Ch.62.0	Sqm	1	17.5	1.4	0.10	2.45
	LHS Ch.111.0 to Ch. 125.0	Sqm	1	13.5	1.4	0.10	1.89
		Juli		13.3	1.4	0.10	1.09
	Road No.4 GHS Cross Road						
	RHS	Cam	1	12.4	1.4	0.10	1.00
	Ch.80.0 to Ch.94.0 Ch.117.0 to Ch.154	Sqm Sqm	1	13.4 36.8	<u>1.4</u> 1.4	0.10 0.10	1.88 5.15
	LHS						
	Ch.22.0 to Ch.40.0	Sqm	1	17	1.4	0.10	2.38
	Ch.112.0 to Ch.40.0 Ch.134.0 to Ch.159.0	Sqm Sqm	1	17.3 25.5	<u>1.4</u> 1.4		2.42 3.57
				20.0		0.10	5.57
	Road No.8-Maidan 3rd Cross Road						
	RHS Ch.155.0 to Ch.170.0	Sqm	1	15.0	1.4	0.10	2.21
<u> </u>	LHS	Sym	1	15.8	1.4	0.10	2.21
	Ch.120.0 to Ch.173.0	Sqm	1	52.2	1.4	0.10	7.31
	Deed No O Diki Aleki Deed						
	Road No.9-Bibi Alabi Road Ch.277.0 to Ch.288.0	Sqm	1	12.5	1.4	0.10	1.75
				12.0	1.4	Total	509.75
		1	1				

			1				
Sr. No.	Description	Unit	No's	L	В	Н	Qty.
	Providing and laying cement concrete using 20mm and down size granite coarse						
	aggregates and fine aggregates of ready mixed concrete for RCC works laid in 15 em						
	thick layers and well compacted including vibrating curing etc., for all super structure						
	works with all lead and lift etc., complete. (exculsive of cost of steel and fabrication						
	charges) Note : The RMC should be obtained only from the plants certified by Quality						
23	Council of India as per CE, C&B letter, AE2, 2015-16, Dt. 12-09-2015						
	Ready mixed Cement concrete M-25						
	(KPWD,4.49.2)						
	Footpath						
	Road No.1-GHS Road						
	LHS Ch.0.0 to Ch.95.00	Cum	1	95	2.73	0.1	25.94
	Ch.100.0 to Ch.260.00	Cum	1	95 160	3.23	0.1	25.94 51.68
	Ch.270.0 to Ch.370.00	Cum	1	100	2.97	0.1	29.7
	RHS	Cum	'	100	2.91	0.1	29.1
	Ch.0.0 to Ch.140.00	Cum	1	140	2.3	0.1	32.2
	Ch.150.0 to Ch.280.0	Cum	1	130	3.18	0.1	41.34
	Ch.290.0 to Ch.390.0	Cum	1	100	3.68	0.1	36.8
		0				011	0010
	Road No.2-P.M.Rao Road						
	LHS						
	Ch.00.0 to Ch.170.0	Cum	1	170	2.83	0.1	48.11
	RHS						
	Ch.00.0 to Ch.170.0	Cum	1	170	3.76	0.1	63.92
	Road No.3-Sharavu Temple Road						
	LHS						
	Ch.0.0 to Ch.170.0	Cum	1	170	2.82	0.1	47.94
	RHS						
	Ch.0.0 to Ch.50.0	Cum	1	50	4.23	0.1	21.15
	Ch.55.0 to Ch.90.0	Cum	1	35	2.84	0.1	9.94
	Ch.100.0 to Ch.142.0	Cum	1	42	3.55	0.1	14.91
	Road No.4-Sharavu Temple Road						
	LHS						
	Ch.0.0 to Ch.50.0	Cum	1	50	3.55	0.1	17.75
	Ch.90.0 to Ch.185.00	Cum	1	95	2.68	0.1	25.46
	RHS	0		05	1.0	0.4	0.05
	Ch.0.0 to Ch.35.0	Cum	1	35	1.9 2.34	0.1	6.65
	Ch.50.0 to Ch.180.0	Cum	· · ·	130	2.34	0.1	30.42
	Road No.7-Maidan 1st Cross Road						
	LHS						
	Ch.0.0 to Ch.92.00	Cum	1	92	3.45	0.1	31.74
	RHS	oum		02	0.10	0.1	01.11
	At Ch.0.00	Cum	1	20	2.61	0.1	5.22
-	Ch.0.0 to Ch.92.00	Cum	1	92	2.7	0.1	24.84
	Road No.8-Maidan 3rd Cross Road						
	LHS						
	Ch.20.0 to Ch.180.0	Cum	1	160	2.8	0.1	44.8
	RHS						
	Ch.0.0 to Ch.180.0	Cum	1	180	3.11	0.1	55.98
	Road No.9 Bibi Alabi Road						
L	LHS	-			_		
	Ch.0.0 to Ch.200.00	Cum	1	200	5.38	0.1	107.6
	Ch.210.00 to Ch.320.00	Cum	1	110	5.61	0.1	61.71
	Ch.330.0 to Ch.430.00	Cum	1	100	6.75	0.1	67.5
	RHS	0	<u> </u>	100	4 40		F0 0 1
	Ch.30.00 to Ch.160.00	Cum	1	130	4.48	0.1	58.24
	Ch.170.00 to Ch.340.00	Cum	1	170	4.75	0.1	80.75
<u> </u>	Ch.345.00 to Ch.430.00	Cum	1	85	4.41	0.1	37.49
	Road No.10-Bibi Alabi - Kandak Road						
	LHS						
		Cum	1	145	1.49	0.1	21.61
			. ''	173			
	Ch.0.0 to Ch.145.0		1	110	0 15	() 1	1 0.5
	Ch.0.0 to Ch.145.0 Ch.55.00 to Ch.165.0	Cum	1	110 45	0.15 1.58	0.1	
	Ch.0.0 to Ch.145.0			110 45 85	0.15 1.58 3.87	0.1 0.1 0.1	7.11
	Ch.0.0 to Ch.145.0 Ch.55.00 to Ch.165.0 Ch.185.00 to Ch.230.0	Cum Cum	1	45	1.58	0.1	7.11 32.9
	Ch.0.0 to Ch.145.0 Ch.55.00 to Ch.165.0 Ch.185.00 to Ch.230.0 Ch.320.00 to Ch.405.00	Cum Cum Cum	1 1	45 85	1.58 3.87	0.1 0.1	7.11 32.9
	Ch.0.0 to Ch.145.0 Ch.55.00 to Ch.165.0 Ch.185.00 to Ch.230.0 Ch.320.00 to Ch.405.00 Ch.425.00 to Ch.460.0	Cum Cum Cum	1 1	45 85	1.58 3.87	0.1 0.1	7.11 32.9 12.39
	Ch.0.0 to Ch.145.0 Ch.55.00 to Ch.165.0 Ch.185.00 to Ch.230.0 Ch.320.00 to Ch.405.00 Ch.425.00 to Ch.460.0 RHS	Cum Cum Cum Cum	1 1 1	45 85 35	1.58 3.87 3.54	0.1 0.1 0.1	7.11 32.9 12.39 33
	Ch.0.0 to Ch.145.0 Ch.55.00 to Ch.165.0 Ch.185.00 to Ch.230.0 Ch.320.00 to Ch.405.00 Ch.425.00 to Ch.460.0 RHS Ch.40.0 to Ch.260.0	Cum Cum Cum Cum	1 1 1	45 85 35 220	1.58 3.87 3.54 1.5	0.1 0.1 0.1 0.1	7.11 32.9 12.39 33
	Ch.0.0 to Ch.145.0 Ch.55.00 to Ch.165.0 Ch.185.00 to Ch.230.0 Ch.320.00 to Ch.405.00 Ch.425.00 to Ch.460.0 RHS Ch.40.0 to Ch.260.0 Ch.270.0 to Ch.290.0	Cum Cum Cum Cum Cum	1 1 1 1 1	45 85 35 220 20	1.58 3.87 3.54 1.5 3.45	0.1 0.1 0.1 0.1 0.1	7.11 32.9 12.39 33 6.9
	Ch.0.0 to Ch.145.0 Ch.55.00 to Ch.165.0 Ch.185.00 to Ch.230.0 Ch.320.00 to Ch.405.00 Ch.425.00 to Ch.460.0 RHS Ch.40.0 to Ch.260.0 Ch.270.0 to Ch.290.0 Ch.200.0 Ch.305.0 to Ch.460.0 Road No.11-Maidan 4th Cross Road-Extn.	Cum Cum Cum Cum Cum	1 1 1 1 1	45 85 35 220 20	1.58 3.87 3.54 1.5 3.45	0.1 0.1 0.1 0.1 0.1	7.11 32.9 12.39 33 6.9
	Ch.0.0 to Ch.145.0 Ch.55.00 to Ch.165.0 Ch.185.00 to Ch.230.0 Ch.320.00 to Ch.405.00 Ch.425.00 to Ch.460.0 RHS Ch.40.0 to Ch.260.0 Ch.270.0 to Ch.290.0 Ch.305.0 to Ch.460.0 Road No.11-Maidan 4th Cross Road-Extn. LHS	Cum Cum Cum Cum Cum Cum		45 85 35 220 20 155	1.58 3.87 3.54 1.5 3.45 3.11	0.1 0.1 0.1 0.1 0.1 0.1	7.11 32.9 12.39 33 6.9 48.21
	Ch.0.0 to Ch.145.0 Ch.55.00 to Ch.165.0 Ch.185.00 to Ch.230.0 Ch.320.00 to Ch.405.00 Ch.425.00 to Ch.460.0 RHS Ch.40.0 to Ch.260.0 Ch.270.0 to Ch.290.0 Ch.305.0 to Ch.460.0 Road No.11-Maidan 4th Cross Road-Extn. LHS Ch.25.0 to Ch.200.00	Cum Cum Cum Cum Cum	1 1 1 1 1	45 85 35 220 20	1.58 3.87 3.54 1.5 3.45	0.1 0.1 0.1 0.1 0.1	7.11 32.9 12.39 33 6.9 48.21
	Ch.0.0 to Ch.145.0 Ch.55.00 to Ch.165.0 Ch.185.00 to Ch.230.0 Ch.320.00 to Ch.405.00 Ch.425.00 to Ch.460.0 RHS Ch.40.0 to Ch.260.0 Ch.270.0 to Ch.290.0 Ch.305.0 to Ch.460.0 Road No.11-Maidan 4th Cross Road-Extn. LHS Ch.25.0 to Ch.200.00 RHS	Cum Cum Cum Cum Cum Cum Cum		45 85 35 220 20 155 175	1.58 3.87 3.54 1.5 3.45 3.11 3.11	0.1 0.1 0.1 0.1 0.1 0.1 0.1	7.11 32.9 12.39 33 6.9 48.21 54.43
	Ch.0.0 to Ch.145.0 Ch.55.00 to Ch.165.0 Ch.185.00 to Ch.230.0 Ch.320.00 to Ch.405.00 Ch.425.00 to Ch.460.0 RHS Ch.40.0 to Ch.260.0 Ch.270.0 to Ch.290.0 Ch.305.0 to Ch.460.0 Road No.11-Maidan 4th Cross Road-Extn. LHS Ch.25.0 to Ch.200.00	Cum Cum Cum Cum Cum Cum		45 85 35 220 20 155	1.58 3.87 3.54 1.5 3.45 3.11	0.1 0.1 0.1 0.1 0.1 0.1	7.11 32.9 12.39 33 6.9 48.21 54.43
	Ch.0.0 to Ch.145.0 Ch.55.00 to Ch.165.0 Ch.185.00 to Ch.230.0 Ch.320.00 to Ch.405.00 Ch.425.00 to Ch.460.0 RHS Ch.40.0 to Ch.260.0 Ch.270.0 to Ch.290.0 Ch.305.0 to Ch.460.0 Road No.11-Maidan 4th Cross Road-Extn. LHS Ch.25.0 to Ch.200.00 RHS Ch.0.0 to Ch.200.00	Cum Cum Cum Cum Cum Cum Cum		45 85 35 220 20 155 175	1.58 3.87 3.54 1.5 3.45 3.11 3.11	0.1 0.1 0.1 0.1 0.1 0.1 0.1	7.11 32.9 12.39 33 6.9 48.21 54.43
	Ch.0.0 to Ch.145.0 Ch.55.00 to Ch.165.0 Ch.185.00 to Ch.230.0 Ch.320.00 to Ch.405.00 Ch.425.00 to Ch.460.0 RHS Ch.40.0 to Ch.260.0 Ch.270.0 to Ch.290.0 Ch.305.0 to Ch.460.0 Road No.11-Maidan 4th Cross Road-Extn. LHS Ch.25.0 to Ch.200.00 RHS Ch.0.0 to Ch.200.00 RHS Ch.0.0 to Ch.200.00	Cum Cum Cum Cum Cum Cum Cum		45 85 35 220 20 155 175	1.58 3.87 3.54 1.5 3.45 3.11 3.11	0.1 0.1 0.1 0.1 0.1 0.1 0.1	7.11 32.9 12.39 33 6.9 48.21 54.43
	Ch.0.0 to Ch.145.0 Ch.55.00 to Ch.165.0 Ch.185.00 to Ch.230.0 Ch.320.00 to Ch.405.00 Ch.425.00 to Ch.460.0 RHS Ch.40.0 to Ch.260.0 Ch.270.0 to Ch.290.0 Ch.305.0 to Ch.460.0 Road No.11-Maidan 4th Cross Road-Extn. LHS Ch.25.0 to Ch.200.00 RHS Ch.0.0 to Ch.200.00 Road No.13-J.M.1st Cross Road LHS	Cum Cum Cum Cum Cum Cum Cum		45 85 35 220 20 155 175 175	1.58 3.87 3.54 1.5 3.45 3.11 3.11 3.11 3.18	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	7.11 32.9 12.39 33 6.9 48.21 54.43 55.65
	Ch.0.0 to Ch.145.0 Ch.55.00 to Ch.165.0 Ch.185.00 to Ch.230.0 Ch.320.00 to Ch.405.00 Ch.425.00 to Ch.460.0 RHS Ch.40.0 to Ch.260.0 Ch.270.0 to Ch.290.0 Ch.305.0 to Ch.460.0 Road No.11-Maidan 4th Cross Road-Extn. LHS Ch.25.0 to Ch.200.00 RHS Ch.0.0 to Ch.200.00 RHS Ch.0.0 to Ch.200.00	Cum Cum Cum Cum Cum Cum Cum		45 85 35 220 20 155 175	1.58 3.87 3.54 1.5 3.45 3.11 3.11	0.1 0.1 0.1 0.1 0.1 0.1 0.1	6.9

Sr. No.	Description	Unit	No's	L	в	Н	Qty.
	Ch.218.0 to Ch.227	Cum	1	9	1.31	0.1	1.18
	RHS Ch.160.0 to Ch.190.0	Cum	1	30	2.27	0.1	6.81
	Road No.15-Mission Street Road Extn.						
	Ch.0.0 to Ch.20.00	Cum	1	20	1.1	0.1	2.2
	RHS						
	Ch.20.0 to Ch.90.0 Ch.180.0 to Ch.200	Cum Cum	1	70 20	1.8 1.85	0.1 0.1	12.6
	Road No.1/18-Old Port Road	Culli	1	20	1.00	0.1	3.1
	LHS						
	Ch.0.0 to Ch.50.00 Ch.60.0 to Ch.125.00	Cum Cum	1	50 65	2.62 2.35	0.1 0.1	13.1 15.28
	Ch.135.0 to Ch.330.00	Cum	1	195	2.55	0.1	49.73
	Ch.340.0 to Ch.435.00	Cum	1	95	4.11	0.1	39.05
	RHS Ch.0.0 to Ch.50.00	Cum	1	50	3	0.1	4.6
	Ch.55.0 to Ch.130.0	Cum	1	75	2	0.1	<u>1</u> 5
	Ch.135.0 to Ch.220.0	Cum	1	85	4.17	0.1	35.4
	Ch.230.0 to Ch.440.0	Cum	1	210	3.27	0.1	68.67
						Total	1639.59
24	KSSRRB M600-2.Construction of unreinforced,dowel jointed,plain cement concrete pavement over a prepared sub base with 25mm and down size graded granite metal coarse aggregate with superplastisizer at 3 lts confirming to IS9103-1999 reaffirmed 2008(Coarse and fine aggregate conforming to IS:383) mixed in a batching and mixing plant as per approved mix design,transported to site,laid with a fixed form paver spread,compacted and finished in a continuos operation including provision of contraction, expansio, construction and longitudinal joints,including groove cutting chrges, joints filler,separation memberane, sealent primer, joints sealant, debonding strip, dowel bars, tie rod, admixtures as approved, curing compound,finishing to lines and grades as per drawing complete as per MORTH specifications Clause 602.with M40 @420Kg per cum Cement,C.A,0.67 cum F.A.044Cum (SI No : 22.2.2 of KPWD 18-19)						
	Pavement Road No.1-GHS Road Ch.0 to Ch.10.00 Ch.10.00 to Ch.60.00	Cum Cum	1	10	5.70 5.7	0.25	14.25 71.25
	Ch.60.00 to Ch.110.00 Ch.110.0 to Ch.160.00	Cum Cum	1	50 50 50	5.7 5.7	0.25	71.25 71.25 71.25
	Road No.2-P.M.Rao Road						
	Ch.0.0 to Ch.50.0	Cum	1	50	7.17	0.25	89.56
	Ch.50.0 to Ch.100.00 Ch.100.0 to Ch.145.0.0	Cum Cum	1	50 45	7.33	0.25 0.25	91.63 80.61
	Road No.3-Sharavu Temple Road Ch.0.0 to Ch.30.0	Cum	1	20	6.00	0.25	46.6E
	Ch.30.0 to Ch.30.0 Ch.30.0 to Ch.80.0	Cum Cum	1	30 50	6.22 6.20	0.25 0.25	46.65 77.50
	Ch.80.0 to Ch.130.0	Cum	1	50	6.37	0.25	79.56
	Ch.130.0 to Ch.185.0	Cum	1	55	4.55	0.25	62.56
	Road No.4-G.H.S. Cross Road						
	Ch.0.0 to Ch.20.0	Cum	1	20	6.60	0.25	33.00
	Ch.20.0 to Ch.70.0	Cum Cum	1	50	6.33	0.25	79.13
	Ch.70.0 to Ch.120.0 Ch.120.0 to Ch.180.0	Cum	1	50 60	6.60 6.60	0.25 0.25	82.50 99.00
	Road No.5-Vithoba Temple Road Ch.0.00 to Ch.50.0	Cum	1	50	2.46	0.25	30.75
	Ch.50.0 to Ch.100.0	Cum Cum	1	50	2.46	0.25	33.25
	Ch.100.00 to Ch.150.0	Cum	1	50	2.86	0.25	35.75
	Ch.150.0 to Ch.200.0	Cum	1		2.06	0.25	25.75
	Ch.200.0 to Ch.240.0 Ch.240.0 to Ch.290.0	Cum Cum	1	40 50	3.93 2.56	0.25 0.25	<u>39.31</u> 32.00
	Ch.290.0 to Ch.340.0	Cum	1	50	2.56	0.25	32.00
	Ch.340.0 to Ch.390.0	Cum	1	50	1.86	0.25	23.25
	Ch.390.0 to Ch. 440.0 Ch.440.0 to Ch.490.0	Cum Cum	1	50 50	2.36 3.03	0.25 0.25	29.50 37.89
			·		0.00	0.20	500
	Road No.7-Maidan 1st Cross Road	0			7.10	0.05	00.00
	Ch.0.0 to Ch.50.00 Ch.50.00 to Ch.90.0	Cum Cum	1	50 40	7.12 7.33	0.25 0.25	89.00 73.30
						5.20	
	Road No.8-Maidan 3rd Cross Road	C			E 40	0.05	05.00
	Ch.0.0 to Ch.20.0 Ch.20.0 to Ch.60.0	Cum Cum	1	20 40	5.19 6.10	0.25 0.25	25.96 60.99
	Ch.60.0 to Ch.120.0	Cum	1	60	7.33	0.25	109.95
	Ch.120.0 to Ch.186.0	Cum	1	66	7.33	0.25	120.95
	Road No.10-Bibi Alabi-Kandak Road						
	Ch.0.0 to Ch.10.00	Cum	1	10	3.47	0.25	8.68
	Ch.10.0 to Ch.50.0	Cum	1	40	5.10	0.25	51.00

Cr. No.	Description	l luit	Nala		-	<u> </u>	0414
Sr. No.	Description Ch.50.0 to Ch.110.0	Unit Cum	No's 1	L 60	B 5.10	H 0.25	Qty. 76.50
-	Ch.110.0 to Ch.160.0	Cum	1	50	4.83		60.38
	Ch.160.0 to Ch.200.00	Cum	1	40	3.83		38.30
	Ch.200.0 to Ch.250.0	Cum	1	40 50	3.41		42.63
	Ch.250.0 to Ch.310.0	Cum	1	60	4.60		69.00
	Ch.310.0 to ch.350.0	Cum	1	40	5.10		51.00
	Ch.350.0 to Ch.400.00	Cum	1	50	6.00		75.00
	Ch.400.00 to Ch.460.0	Cum	1	60	5.10		76.50
		Cum	1	00	5.10	0.23	70.50
	Road No.11-Maidan 4th Cross Road-Extn					łł	
	Ch.0.00 to Ch.10.0	Cum	1	10	4.93	0.25	12.33
	Ch.10.0 to Ch.40.00	Cum	1	30	4.93		36.98
	Ch.40.0 to Ch.90.00	Cum	1	50	7.00		87.50
	Ch.90.0 to Ch.140.0	Cum	1	50	6.10		76.25
	Ch.140.0 to Ch195.0	Cum	1	55	5.20		71.50
		Cum			0.20	0120	11100
	Road No.13-J.M 1st Cross Road						
	Ch.0.0 to Ch.10.0	Cum	1	10	2.16	0.25	5.40
	Ch.10.0 to Ch.50.0	Cum	1	40	2.36		23.60
	Ch.50.0 to Ch.100.00	Cum	1	50	1.66		20.75
	Ch.100.0 to Ch.170.0	Cum	1	70	3.43		60.03
	Ch.170.0 to Ch.200.0	Cum	1	40	2.53		25.30
	Ch.200.0 to Ch.238.0	Cum	1	38	2.36		22.42
		• • • • •			2.00		
	Road No.15-Mission Street Road						
<u> </u>	Ch.0.0 to Ch.10.0	Cum	1	10	5.30	0.25	13.25
<u> </u>	Ch.10.0 to Ch.60.0	Cum	1	50	7.23		90.38
<u> </u>	Ch.60.0 to Ch.130.0	Cum	1	70	3.06		53.52
	Ch.130.0 to Ch.160.0	Cum	1	30	2.56		19.19
	Ch.160.0 to Ch.200.0	Cum	1	40	3.03		30.30
		Juili	<u>'</u>		5.05	0.23	00.00
	Patch Work For CC Road			<u> </u>		+ +	
	Road No.1-GHS Road	1		 		╂─────╂	
	RHS					+	
	Ch.275.0 to Ch.288.0	Cum	1	13	0.60	0.25	1.96
		Cum	· ·	15	0.00	0.23	1.30
	Road No.4-G.H.S. Cross Road						
	LHS						
	Ch.15.0 to Ch.68.0	Cum	1	53	1.78	0.25	23.64
	RHS	Cum	· ·		1.70	0.23	23.04
	Ch.30.0 to Ch.68.0	Cum	1	53	0.23	0.25	3.05
	Road No.9-Bibi Alabi Road	Oum			0.20	0.20	5.05
	Median	Cum	1	355	1.10	0.25	97.63
	moduli	Cum		000	1.10	Total	3173.19
		••••					0110110
25	Providing and placing joint sealant compound of cold polysulphide in the grooves after widening the groove to required width, sand blasting the groove face if recommended by the sealant manufacturer, cleaning the groove with air compressor, insertion of debonding strip, priming the sides of the sealant if the sealant manufacturer recommends and pouring the sealant all complete including material, manpower and as shown on drawing and as per MORTH specifications clause 602. (Non SOR Item)						
L	Pavement						
	Road No.1-GHS Road						
	Ch.0 to Ch.10.00	-					
		Cum	1	3	5.70		17.10
	Ch.10.0 to Ch.60.00	Cum	1	14	5.70)	79.80
	Ch.10.0 to Ch.60.00 Ch.60.00 to Ch.110.00	Cum Cum	1 1	14 14	5.70 5.70)	79.80 79.80
	Ch.10.0 to Ch.60.00	Cum	1	14	5.70)	79.80
	Ch.10.0 to Ch.60.00 Ch.60.00 to Ch.110.00 Ch.110.0 to Ch.160.00	Cum Cum	1 1	14 14	5.70 5.70)	79.80 79.80
	Ch.10.0 to Ch.60.00 Ch.60.00 to Ch.110.00 Ch.110.0 to Ch.160.00 Road No.2-P.M.Rao Road	Cum Cum Cum	1 1 1	14 14 14	5.70 5.70 5.70		79.80 79.80 79.80
	Ch.10.0 to Ch.60.00 Ch.60.00 to Ch.110.00 Ch.110.0 to Ch.160.00 Road No.2-P.M.Rao Road Ch.0.0 to Ch.50.0	Cum Cum Cum Cum	1 1 1	14 14 14 	5.70 5.70 5.70 7.17		79.80 79.80 79.80 100.31
	Ch.10.0 to Ch.60.00 Ch.60.00 to Ch.110.00 Ch.110.0 to Ch.160.00 Road No.2-P.M.Rao Road Ch.0.0 to Ch.50.0 Ch.50.0 to Ch.100.00	Cum Cum Cum Cum Cum	1 1 1 	14 14 14 14 14	5.70 5.70 5.70 7.17 7.33		79.80 79.80 79.80 100.31 102.62
	Ch.10.0 to Ch.60.00 Ch.60.00 to Ch.110.00 Ch.110.0 to Ch.160.00 Road No.2-P.M.Rao Road Ch.0.0 to Ch.50.0	Cum Cum Cum Cum	1 1 1	14 14 14 	5.70 5.70 5.70 7.17		79.80 79.80 79.80 100.31
	Ch.10.0 to Ch.60.00 Ch.60.00 to Ch.110.00 Ch.110.0 to Ch.160.00 Road No.2-P.M.Rao Road Ch.0.0 to Ch.50.0 Ch.50.0 to Ch.100.00 Ch.100.0 to Ch.145.0.0	Cum Cum Cum Cum Cum	1 1 1 	14 14 14 14 14	5.70 5.70 5.70 7.17 7.33		79.80 79.80 79.80 100.31 102.62
	Ch.10.0 to Ch.60.00 Ch.60.00 to Ch.110.00 Ch.110.0 to Ch.160.00 Road No.2-P.M.Rao Road Ch.0.0 to Ch.50.0 Ch.50.0 to Ch.100.00 Ch.100.0 to Ch.145.0.0 Road No.3-Sharavu Temple Road	Cum Cum Cum Cum Cum	1 1 1 1 1 1	14 14 14 14 14 14 13	5.70 5.70 5.70 7.17 7.33 7.17		79.80 79.80 79.80 100.31 102.62 93.15
	Ch.10.0 to Ch.60.00 Ch.60.00 to Ch.110.00 Ch.110.0 to Ch.160.00 Road No.2-P.M.Rao Road Ch.0.0 to Ch.50.0 Ch.50.0 to Ch.100.00 Ch.100.0 to Ch.145.0.0 Road No.3-Sharavu Temple Road Ch.0.0 to Ch.30.0	Cum Cum Cum Cum Cum Cum	1 1 1 1 1 1 1 1	14 14 14 14 14 14 13 9 9	5.70 5.70 5.70 7.17 7.33 7.17 6.22		79.80 79.80 79.80 100.31 102.62 93.15 55.98
	Ch.10.0 to Ch.60.00 Ch.60.00 to Ch.110.00 Ch.110.0 to Ch.160.00 Road No.2-P.M.Rao Road Ch.0.0 to Ch.50.0 Ch.50.0 to Ch.100.00 Ch.100.0 to Ch.145.0.0 Road No.3-Sharavu Temple Road Ch.0.0 to Ch.30.0 Ch.30.0 to Ch.80.0	Cum Cum Cum Cum Cum Cum Cum Cum	1 1 1 1 1 1 1 1 1 1 1	14 14 14 14 14 14 13 9 9 14	5.70 5.70 5.70 7.17 7.33 7.17 6.22 6.20		79.80 79.80 79.80 100.31 102.62 93.15 55.98 86.80
	Ch.10.0 to Ch.60.00 Ch.60.00 to Ch.110.00 Ch.110.0 to Ch.160.00 Road No.2-P.M.Rao Road Ch.0.0 to Ch.50.0 Ch.50.0 to Ch.100.00 Ch.100.0 to Ch.145.0.0 Road No.3-Sharavu Temple Road Ch.0.0 to Ch.30.0 Ch.30.0 to Ch.30.0 Ch.80.0 to Ch.130.0	Cum Cum Cum Cum Cum Cum Cum Cum Cum	1 1 1 1 1 1 1 1 1 1 1 1	14 14 14 14 14 14 13 9 9 14	5.70 5.70 5.70 7.17 7.33 7.17 6.22 6.20 6.37		79.80 79.80 79.80 100.31 102.62 93.15 55.98 86.80 89.11
	Ch.10.0 to Ch.60.00 Ch.60.00 to Ch.110.00 Ch.110.0 to Ch.160.00 Road No.2-P.M.Rao Road Ch.0.0 to Ch.50.0 Ch.50.0 to Ch.100.00 Ch.100.0 to Ch.145.0.0 Road No.3-Sharavu Temple Road Ch.0.0 to Ch.30.0 Ch.30.0 to Ch.80.0	Cum Cum Cum Cum Cum Cum Cum Cum	1 1 1 1 1 1 1 1 1 1 1	14 14 14 14 14 14 13 9 9 14	5.70 5.70 5.70 7.17 7.33 7.17 6.22 6.20		79.80 79.80 79.80 100.31 102.62 93.15 55.98 86.80
	Ch.10.0 to Ch.60.00 Ch.60.00 to Ch.110.00 Ch.110.0 to Ch.160.00 Road No.2-P.M.Rao Road Ch.0.0 to Ch.50.0 Ch.50.0 to Ch.100.00 Ch.100.0 to Ch.145.0.0 Road No.3-Sharavu Temple Road Ch.0.0 to Ch.30.0 Ch.30.0 to Ch.80.0 Ch.80.0 to Ch.130.0 Ch.130.0 to Ch.185.0	Cum Cum Cum Cum Cum Cum Cum Cum Cum	1 1 1 1 1 1 1 1 1 1 1 1	14 14 14 14 14 14 13 9 9 14	5.70 5.70 5.70 7.17 7.33 7.17 6.22 6.20 6.37		79.80 79.80 79.80 100.31 102.62 93.15 55.98 86.80 89.11
	Ch.10.0 to Ch.60.00 Ch.60.00 to Ch.110.00 Ch.110.0 to Ch.160.00 Road No.2-P.M.Rao Road Ch.0.0 to Ch.50.0 Ch.50.0 to Ch.100.00 Ch.100.0 to Ch.145.0.0 Road No.3-Sharavu Temple Road Ch.0.0 to Ch.80.0 Ch.30.0 to Ch.80.0 Ch.80.0 to Ch.130.0 Ch.130.0 to Ch.185.0 Road No.4-G.H.S. Cross Road	Cum Cum Cum Cum Cum Cum Cum Cum Cum	1 1 1 1 1 1 1 1 1 1 1 1 1	14 14 14 14 14 14 13 9 9 14 14 16	5.70 5.70 5.70 7.17 7.33 7.17 6.22 6.20 6.37 4.55		79.80 79.80 79.80 100.31 102.62 93.15 55.98 86.80 89.11 72.80
	Ch.10.0 to Ch.60.00 Ch.60.00 to Ch.110.00 Ch.110.0 to Ch.160.00 Road No.2-P.M.Rao Road Ch.0.0 to Ch.50.0 Ch.50.0 to Ch.100.00 Ch.100.0 to Ch.145.0.0 Road No.3-Sharavu Temple Road Ch.0.0 to Ch.30.0 Ch.30.0 to Ch.80.0 Ch.30.0 to Ch.130.0 Ch.130.0 to Ch.185.0 Road No.4-G.H.S. Cross Road Ch.0.0 to Ch.20.0	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	14 14 14 14 14 14 13 9 9 14 14 16 6	5.70 5.70 5.70 7.17 7.33 7.17 6.22 6.20 6.37 4.55 6.60		79.80 79.80 79.80 100.31 102.62 93.15 55.98 86.80 89.11 72.80 39.60
	Ch.10.0 to Ch.60.00 Ch.60.00 to Ch.110.00 Ch.110.0 to Ch.160.00 Road No.2-P.M.Rao Road Ch.0.0 to Ch.50.0 Ch.50.0 to Ch.100.00 Ch.50.0 to Ch.145.0.0 Road No.3-Sharavu Temple Road Ch.0.0 to Ch.30.0 Ch.30.0 to Ch.80.0 Ch.30.0 to Ch.130.0 Ch.80.0 to Ch.130.0 Ch.130.0 to Ch.185.0 Road No.4-G.H.S. Cross Road Ch.0.0 to Ch.20.0 Ch.20.0 to Ch.70.0	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum		14 14 14 14 14 14 13 9 9 14 14 14 16 6 14	5.70 5.70 5.70 7.17 7.33 7.17 6.22 6.20 6.37 4.55 6.60 6.33		79.80 79.80 79.80 100.31 102.62 93.15 55.98 86.80 89.11 72.80 39.60 88.62
	Ch.10.0 to Ch.60.00 Ch.60.00 to Ch.110.00 Ch.110.0 to Ch.160.00 Road No.2-P.M.Rao Road Ch.0.0 to Ch.50.0 Ch.50.0 to Ch.100.00 Ch.50.0 to Ch.145.0.0 Road No.3-Sharavu Temple Road Ch.0.0 to Ch.30.0 Ch.30.0 to Ch.80.0 Ch.30.0 to Ch.130.0 Ch.130.0 to Ch.130.0 Ch.130.0 to Ch.185.0 Road No.4-G.H.S. Cross Road Ch.0.0 to Ch.20.0 Ch.20.0 to Ch.70.0	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	14 14 14 14 14 14 13 9 9 14 14 16 6 14 14	5.70 5.70 5.70 7.17 7.33 7.17 6.22 6.20 6.37 4.55 6.60 6.33 6.60		79.80 79.80 79.80 100.31 102.62 93.15 55.98 86.80 89.11 72.80 39.60 88.62 92.40
	Ch.10.0 to Ch.60.00 Ch.60.00 to Ch.110.00 Ch.110.0 to Ch.160.00 Road No.2-P.M.Rao Road Ch.0.0 to Ch.50.0 Ch.50.0 to Ch.100.00 Ch.50.0 to Ch.145.0.0 Road No.3-Sharavu Temple Road Ch.0.0 to Ch.30.0 Ch.30.0 to Ch.80.0 Ch.30.0 to Ch.130.0 Ch.80.0 to Ch.130.0 Ch.130.0 to Ch.185.0 Road No.4-G.H.S. Cross Road Ch.0.0 to Ch.20.0 Ch.20.0 to Ch.70.0	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum		14 14 14 14 14 14 13 9 9 14 14 14 16 6 14	5.70 5.70 5.70 7.17 7.33 7.17 6.22 6.20 6.37 4.55 6.60 6.33		79.80 79.80 79.80 100.31 102.62 93.15 55.98 86.80 89.11 72.80 39.60 88.62
	Ch.10.0 to Ch.60.00 Ch.60.00 to Ch.110.00 Ch.110.0 to Ch.160.00 Road No.2-P.M.Rao Road Ch.0.0 to Ch.50.0 Ch.50.0 to Ch.100.00 Ch.100.0 to Ch.145.0.0 Road No.3-Sharavu Temple Road Ch.0.0 to Ch.30.0 Ch.30.0 to Ch.80.0 Ch.30.0 to Ch.185.0 Road No.4-G.H.S. Cross Road Ch.0.0 to Ch.20.0 Ch.20.0 to Ch.70.0 Ch.70.0 to Ch.120.0 Ch.120.0 to Ch.180.0	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	14 14 14 14 14 14 13 9 9 14 14 16 6 14 14	5.70 5.70 5.70 7.17 7.33 7.17 6.22 6.20 6.37 4.55 6.60 6.33 6.60		79.80 79.80 79.80 100.31 102.62 93.15 55.98 86.80 89.11 72.80 39.60 88.62 92.40
	Ch.10.0 to Ch.60.00 Ch.60.00 to Ch.110.00 Ch.110.0 to Ch.160.00 Road No.2-P.M.Rao Road Ch.0.0 to Ch.50.0 Ch.50.0 to Ch.100.00 Ch.100.0 to Ch.145.0.0 Road No.3-Sharavu Temple Road Ch.0.0 to Ch.30.0 Ch.30.0 to Ch.80.0 Ch.30.0 to Ch.130.0 Ch.130.0 to Ch.185.0 Road No.4-G.H.S. Cross Road Ch.0.0 to Ch.70.0 Ch.20.0 to Ch.120.0 Ch.120.0 to Ch.120.0 Ch.120.0 to Ch.180.0 Ch.120.0 to Ch.180.0 Ch.120.0 to Ch.180.0 Ch.120.0 to Ch.180.0 Ch.120.0 to Ch.180.0	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	14 14 14 14 14 14 13 9 9 14 14 14 16 6 14 14 17 17	5.70 5.70 5.70 7.17 7.33 7.17 6.22 6.20 6.37 4.55 6.60 6.33 6.60 6.60 6.60		79.80 79.80 79.80 100.31 102.62 93.15 55.98 86.80 89.11 72.80 39.60 88.62 92.40 112.20
	Ch.10.0 to Ch.60.00 Ch.60.00 to Ch.110.00 Ch.110.0 to Ch.160.00 Road No.2-P.M.Rao Road Ch.0.0 to Ch.50.0 Ch.50.0 to Ch.100.00 Ch.100.0 to Ch.145.0.0 Road No.3-Sharavu Temple Road Ch.0.0 to Ch.30.0 Ch.30.0 to Ch.80.0 Ch.30.0 to Ch.80.0 Ch.130.0 to Ch.185.0 Road No.4-G.H.S. Cross Road Ch.0.0 to Ch.70.0 Ch.20.0 to Ch.70.0 Ch.70.0 to Ch.120.0 Ch.70.0 to Ch.180.0 Road No.5-Vithoba Temple Road Ch.0.00 to Ch.50.0	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum		14 14 14 14 14 14 13 9 9 14 14 16 6 14 14 17 17 14	5.70 5.70 5.70 7.17 7.33 7.17 6.22 6.20 6.37 4.55 6.60 6.33 6.60 6.33 6.60 6.40 6.23		79.80 79.80 79.80 100.31 102.62 93.15 55.98 86.80 89.11 72.80 39.60 88.62 92.40 112.20
	Ch.10.0 to Ch.60.00 Ch.60.00 to Ch.110.00 Ch.110.0 to Ch.160.00 Road No.2-P.M.Rao Road Ch.0.0 to Ch.50.0 Ch.50.0 to Ch.100.00 Ch.100.0 to Ch.145.0.0 Road No.3-Sharavu Temple Road Ch.0.0 to Ch.30.0 Ch.30.0 to Ch.30.0 Ch.30.0 to Ch.130.0 Ch.130.0 to Ch.185.0 Road No.4-G.H.S. Cross Road Ch.0.0 to Ch.20.0 Ch.20.0 to Ch.70.0 Ch.20.0 to Ch.120.0 Ch.120.0 to Ch.180.0 Road No.5-Vithoba Temple Road Ch.0.0 to Ch.50.0 Ch.50.0 to Ch.100.0	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum		14 14 14 14 14 14 13 9 9 14 14 16 6 14 14 17 17 14 14	5.70 5.70 5.70 7.17 7.33 7.17 6.22 6.20 6.37 4.55 6.60 6.33 6.60 6.33 6.60 6.60 2.46 2.66		79.80 79.80 79.80 100.31 102.62 93.15 55.98 86.80 89.11 72.80 39.60 88.62 92.40 112.20 34.44 37.24
	Ch.10.0 to Ch.60.00 Ch.60.00 to Ch.110.00 Ch.110.0 to Ch.160.00 Road No.2-P.M.Rao Road Ch.0.0 to Ch.50.0 Ch.50.0 to Ch.100.00 Ch.100.0 to Ch.145.0.0 Road No.3-Sharavu Temple Road Ch.0.0 to Ch.30.0 Ch.30.0 to Ch.80.0 Ch.30.0 to Ch.130.0 Ch.30.0 to Ch.130.0 Ch.130.0 to Ch.185.0 Road No.4-G.H.S. Cross Road Ch.0.0 to Ch.20.0 Ch.20.0 to Ch.70.0 Ch.20.0 to Ch.120.0 Ch.120.0 to Ch.180.0 Road No.5-Vithoba Temple Road Ch.0.0 to Ch.50.0 Ch.50.0 to Ch.50.0 Ch.50.0 to Ch.50.0 Ch.100.00 to Ch.50.0	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	14 14 14 14 14 14 13 9 9 9 14 14 16 6 14 14 14 14 14 14	5.70 5.70 5.70 7.17 7.33 7.17 6.22 6.20 6.37 4.55 6.60 6.33 6.60 6.33 6.60 6.33 6.60 6.22 6.22 6.20 6.22 6.20 6.22 6.20 6.22 6.20 6.22 6.20 6.22 6.20 6.22 6.20 6.22 6.20 6.22 6.20 6.22 6.20 6.20		79.80 79.80 79.80 100.31 102.62 93.15 55.98 86.80 89.11 72.80 39.60 88.62 92.40 112.20 34.44 37.24 40.04
	Ch.10.0 to Ch.60.00 Ch.60.00 to Ch.110.00 Ch.110.0 to Ch.160.00 Road No.2-P.M.Rao Road Ch.0.0 to Ch.50.0 Ch.50.0 to Ch.100.00 Ch.100.0 to Ch.145.0.0 Road No.3-Sharavu Temple Road Ch.0.0 to Ch.30.0 Ch.30.0 to Ch.30.0 Ch.30.0 to Ch.130.0 Ch.130.0 to Ch.185.0 Road No.4-G.H.S. Cross Road Ch.0.0 to Ch.20.0 Ch.20.0 to Ch.70.0 Ch.20.0 to Ch.180.0 Road No.5-Vithoba Temple Road Ch.0.0 to Ch.50.0 Ch.50.0 to Ch.100.0 Ch.50.0 to Ch.150.0 Ch.100.0 to Ch.150.0 Ch.150.0 to Ch.150.0	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	14 14 14 14 14 14 13 9 9 14 14 14 16 6 14 14 14 17 17 14 14 14 14	5.70 5.70 5.70 7.17 7.33 7.17 6.22 6.20 6.33 6.60 6.33 6.60 6.33 6.60 6.33 6.60 6.22 4.55		79.80 79.80 79.80 79.80 100.31 102.62 93.15 55.98 86.80 89.11 72.80 39.60 88.62 92.40 112.20 112.20 34.44 37.24 40.04 28.84
	Ch.10.0 to Ch.60.00 Ch.60.00 to Ch.110.00 Ch.110.0 to Ch.160.00 Road No.2-P.M.Rao Road Ch.0.0 to Ch.50.0 Ch.50.0 to Ch.100.00 Ch.100.0 to Ch.145.0.0 Road No.3-Sharavu Temple Road Ch.0.0 to Ch.30.0 Ch.30.0 to Ch.80.0 Ch.30.0 to Ch.185.0 Road No.4-G.H.S. Cross Road Ch.0.0 to Ch.20.0 Ch.20.0 to Ch.120.0 Ch.120.0 to Ch.180.0 Road No.5-Vithoba Temple Road Ch.0.0 to Ch.50.0 Ch.50.0 to Ch.100.0 Ch.50.0 to Ch.50.0 Ch.50.0 to Ch.100.0 Ch.100.0 to Ch.50.0 Ch.100.0 to Ch.50.0 Ch.100.0 to Ch.50.0 Ch.100.0 to Ch.120.0 Ch.100.0 to Ch.50.0 Ch.50.0 to Ch.100.0 Ch.50.0 to Ch.100.0 Ch.100.0 to Ch.200.0 Ch.100.0 to Ch.200.0 Ch.50.0 to Ch.200.0 Ch.200.0 to Ch.200.0	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	14 14 14 14 14 14 14 13 9 9 14 14 14 16 6 14 14 17 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	5.70 5.70 5.70 7.17 7.33 7.17 6.22 6.20 6.37 4.55 6.60 6.60 6.60 6.60 2.46 2.66 2.86 2.86 2.86 2.86 3.93		79.80 79.80 79.80 79.80 100.31 102.62 93.15 55.98 86.80 89.11 72.80 39.60 88.62 92.40 112.20 112.20 34.44 37.24 40.04 28.84 43.24
	Ch.10.0 to Ch.60.00 Ch.60.00 to Ch.110.00 Ch.110.0 to Ch.160.00 Road No.2-P.M.Rao Road Ch.0.0 to Ch.50.0 Ch.50.0 to Ch.100.00 Ch.100.0 to Ch.145.0.0 Road No.3-Sharavu Temple Road Ch.0.0 to Ch.30.0 Ch.30.0 to Ch.80.0 Ch.30.0 to Ch.130.0 Ch.130.0 to Ch.185.0 Road No.4-G.H.S. Cross Road Ch.0.0 to Ch.185.0 Road No.4-G.H.S. Cross Road Ch.0.0 to Ch.180.0 Ch.20.0 to Ch.120.0 Ch.70.0 to Ch.120.0 Ch.120.0 to Ch.180.0 Road No.5-Vithoba Temple Road Ch.0.00 to Ch.50.0 Ch.50.0 to Ch.100.0 Ch.50.0 to Ch.100.0 Ch.100.00 to Ch.50.0 Ch.150.0 to Ch.200.0 Ch.150.0 to Ch.200.0 Ch.150.0 to Ch.200.0 Ch.150.0 to Ch.200.0 Ch.150.0 to Ch.200.0 Ch.200.0 to Ch.240.0 Ch.240.0 to Ch.290.0	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	14 14 14 14 14 14 14 13 9 9 14 14 16 6 14 14 16 6 6 14 14 17 14 14 14 14 14 14	5.70 5.70 5.70 7.17 7.33 7.17 6.22 6.20 6.37 4.55 6.60 6.60 6.60 6.60 6.60 6.60 6.60 6		79.80 79.80 79.80 79.80 100.31 102.62 93.15 55.98 86.80 89.11 72.80 39.60 88.62 92.40 112.20 34.44 37.24 40.04 28.84 43.24 35.84
	Ch.10.0 to Ch.60.00 Ch.60.00 to Ch.110.00 Ch.110.0 to Ch.160.00 Road No.2-P.M.Rao Road Ch.0.0 to Ch.50.0 Ch.50.0 to Ch.100.00 Ch.100.0 to Ch.145.0.0 Road No.3-Sharavu Temple Road Ch.0.0 to Ch.30.0 Ch.30.0 to Ch.80.0 Ch.30.0 to Ch.130.0 Ch.130.0 to Ch.185.0 Road No.4-G.H.S. Cross Road Ch.0.0 to Ch.185.0 Road No.4-G.H.S. Cross Road Ch.0.0 to Ch.120.0 Ch.20.0 to Ch.120.0 Ch.120.0 to Ch.180.0 Road No.5-Vithoba Temple Road Ch.0.0 to Ch.50.0 Ch.50.0 to Ch.150.0 Ch.50.0 to Ch.150.0 Ch.150.0 to Ch.200.0 Ch.150.0 to Ch.200.0 Ch.200.0 to Ch.240.0 Ch.240.0 to Ch.240.0 Ch.290.0 to Ch.240.0 Ch.290.0 to Ch.340.0	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	14 14 14 14 14 14 14 13 9 9 14 14 16 6 6 14 14 14 14 14 14 14 14 14	5.70 5.70 5.70 7.17 7.33 7.17 6.22 6.20 6.37 4.55 6.60 6.60 6.60 6.60 6.60 6.60 6.60 6		79.80 79.80 79.80 79.80 100.31 102.62 93.15 55.98 86.80 89.11 72.80 39.60 88.62 92.40 112.20 34.44 37.24 40.04 28.84 43.24 35.84 35.84
	Ch.10.0 to Ch.60.00 Ch.60.00 to Ch.110.00 Ch.110.0 to Ch.160.00 Road No.2-P.M.Rao Road Ch.0.0 to Ch.50.0 Ch.50.0 to Ch.100.00 Ch.100.0 to Ch.145.0.0 Road No.3-Sharavu Temple Road Ch.0.0 to Ch.30.0 Ch.30.0 to Ch.80.0 Ch.30.0 to Ch.130.0 Ch.130.0 to Ch.185.0 Road No.4-G.H.S. Cross Road Ch.0.0 to Ch.185.0 Road No.4-G.H.S. Cross Road Ch.0.0 to Ch.180.0 Ch.20.0 to Ch.120.0 Ch.70.0 to Ch.120.0 Ch.120.0 to Ch.180.0 Road No.5-Vithoba Temple Road Ch.0.00 to Ch.50.0 Ch.50.0 to Ch.100.0 Ch.50.0 to Ch.100.0 Ch.100.00 to Ch.50.0 Ch.150.0 to Ch.200.0 Ch.150.0 to Ch.200.0 Ch.150.0 to Ch.200.0 Ch.150.0 to Ch.200.0 Ch.150.0 to Ch.200.0 Ch.200.0 to Ch.240.0 Ch.240.0 to Ch.290.0	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	14 14 14 14 14 14 14 13 9 9 14 14 16 6 14 14 16 6 6 14 14 17 14 14 14 14 14 14	5.70 5.70 5.70 7.17 7.33 7.17 6.22 6.20 6.37 4.55 6.60 6.60 6.60 6.60 6.60 6.60 6.60 6		79.80 79.80 79.80 79.80 100.31 102.62 93.15 55.98 86.80 89.11 72.80 39.60 88.62 92.40 112.20 34.44 37.24 40.04 28.84 43.24 35.84

Rc Cr Cr	h.440.0 to Ch.490.0 oad No.7-Maidan 1st Cross Road h.0.0 to Ch.50.00 h.50.00 to Ch.90.0 oad No.8-Maidan 3rd Cross Road h.0.0 to Ch.20.0 h.20.0 to Ch.60.0 h.20.0 to Ch.120.0 h.120.0 to Ch.186.0 oad No.10-Bibi Alabi-Kandak Road h.0.0 to Ch.50.0 h.50.0 to Ch.10.00 h.10.0 to Ch.50.0 h.50.0 to Ch.110.0 h.110.0 to Ch.50.0 h.10.0 to Ch.200.00 h.10.0 to Ch.200.00 h.200.0 to Ch.310.0 h.350.0 to Ch.300.0 h.350.0 to Ch.400.00 h.350.0 to Ch.400.00 h.400.00 to Ch.460.0	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum		14 14 11 6 11 17 19 3 3 11 11 17 14 11	3.03 7.12 7.33 5.19 6.10 7.33 7.33 7.33 7.33 7.33 7.33 7.33 7.3		42.43 99.68 80.63 31.15 67.09 124.61 139.27 10.41 56.10 86.70
Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr C	h.0.0 to Ch.50.00 h.50.00 to Ch.90.0 oad No.8-Maidan 3rd Cross Road h.0.0 to Ch.20.0 h.20.0 to Ch.60.0 h.20.0 to Ch.120.0 h.120.0 to Ch.186.0 oad No.10-Bibi Alabi-Kandak Road h.0.0 to Ch.10.00 h.10.0 to Ch.50.0 h.50.0 to Ch.110.0 h.110.0 to Ch.50.0 h.10.0 to Ch.160.0 h.110.0 to Ch.200.00 h.160.0 to Ch.250.0 h.250.0 to Ch.310.0 h.250.0 to Ch.310.0 h.310.0 to ch.350.0 h.350.0 to Ch.400.00	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11 6 11 17 19 3 11 17 14 14 11	7.33 5.19 6.10 7.33 7.33 7.33 3.47 5.10 5.10		80.63 31.15 67.09 124.61 139.27 10.41 56.10
Ct Rc Ct Ct Ct Ct Ct Ct Ct Ct Ct Ct Ct Ct Ct	h.50.00 to Ch.90.0 oad No.8-Maidan 3rd Cross Road h.0.0 to Ch.20.0 h.20.0 to Ch.00.0 h.20.0 to Ch.120.0 h.120.0 to Ch.186.0 oad No.10-Bibi Alabi-Kandak Road h.0.0 to Ch.186.0 oad No.10-Bibi Alabi-Kandak Road h.0.0 to Ch.10.00 h.10.0 to Ch.50.0 h.50.0 to Ch.110.0 h.110.0 to Ch.160.0 h.160.0 to Ch.250.0 h.200.0 to Ch.250.0 h.250.0 to Ch.310.0 h.310.0 to ch.350.0 h.350.0 to Ch.400.00	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11 6 11 17 19 3 11 17 14 14 11	7.33 5.19 6.10 7.33 7.33 7.33 3.47 5.10 5.10		80.63 31.15 67.09 124.61 139.27 10.41 56.10
RC Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr	oad No.8-Maidan 3rd Cross Road h.0.0 to Ch.20.0 h.20.0 to Ch.60.0 h.60.0 to Ch.120.0 h.120.0 to Ch.186.0 oad No.10-Bibi Alabi-Kandak Road h.0.0 to Ch.10.00 h.10.0 to Ch.50.0 h.10.0 to Ch.110.0 h.110.0 to Ch.160.0 h.110.0 to Ch.160.0 h.200.0 to Ch.200.00 h.200.0 to Ch.250.0 h.250.0 to Ch.310.0 h.310.0 to ch.350.0 h.350.0 to Ch.400.00	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum		6 11 17 19 3 11 17 17 14 11	5.19 6.10 7.33 7.33 3.47 5.10 5.10		31.15 67.09 124.61 139.27 10.41 56.10
Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr C	h.0.0 to Ch.20.0 h.20.0 to Ch.60.0 h.60.0 to Ch.120.0 h.120.0 to Ch.186.0 oad No.10-Bibi Alabi-Kandak Road h.0.0 to Ch.186.0 h.10.0 to Ch.10.00 h.10.0 to Ch.50.0 h.50.0 to Ch.110.0 h.110.0 to Ch.160.0 h.160.0 to Ch.200.00 h.200.0 to Ch.250.0 h.250.0 to Ch.310.0 h.350.0 to Ch.400.00	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	1 1 1 1 1 1 1 1 1 1 1 1	11 17 19 3 3 11 17 14 11	6.10 7.33 7.33 3.47 5.10 5.10		67.09 124.61 139.27 10.41 56.10
Ct Ct Ct Ct Ct Ct Ct Ct Ct Ct Ct Ct Ct C	h.20.0 to Ch.60.0 h.60.0 to Ch.120.0 h.120.0 to Ch.186.0 oad No.10-Bibi Alabi-Kandak Road h.0.0 to Ch.10.00 h.10.0 to Ch.50.0 h.50.0 to Ch.110.0 h.110.0 to Ch.160.0 h.160.0 to Ch.200.00 h.200.0 to Ch.250.0 h.250.0 to Ch.310.0 h.350.0 to Ch.350.0 h.350.0 to Ch.400.00	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	1 1 1 1 1 1 1 1 1 1 1 1	11 17 19 3 3 11 17 14 11	6.10 7.33 7.33 3.47 5.10 5.10		67.09 124.61 139.27 10.41 56.10
Ct Ct Ct Ct Ct Ct Ct Ct Ct Ct Ct Ct Ct C	h.60.0 to Ch.120.0 h.120.0 to Ch.186.0 oad No.10-Bibi Alabi-Kandak Road h.0.0 to Ch.10.00 h.10.0 to Ch.50.0 h.50.0 to Ch.110.0 h.110.0 to Ch.160.0 h.160.0 to Ch.200.00 h.200.0 to Ch.250.0 h.250.0 to Ch.310.0 h.350.0 to Ch.350.0 h.350.0 to Ch.400.00	Cum Cum Cum Cum Cum Cum Cum Cum Cum Cum	1 1 1 1 1 1 1 1 1	17 19 3 11 11 17 14 11	7.33 7.33 3.47 5.10 5.10		124.61 139.27 10.41 56.10
RCC Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr C	oad No.10-Bibi Alabi-Kandak Road h.0.0 to Ch.10.00 h.10.0 to Ch.50.0 h.50.0 to Ch.110.0 h.110.0 to Ch.160.0 h.160.0 to Ch.200.00 h.250.0 to Ch.310.0 h.250.0 to Ch.350.0 h.310.0 to ch.350.0 h.350.0 to Ch.400.00	Cum Cum Cum Cum Cum Cum Cum Cum Cum	1 1 1 1 1 1 1 1	19 3 11 17 14 11	7.33 3.47 5.10 5.10		139.27 10.41 56.10
Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr	h.0.0 to Ch.10.00 h.10.0 to Ch.50.0 h.50.0 to Ch.110.0 h.110.0 to Ch.160.0 h.160.0 to Ch.200.00 h.200.0 to Ch.250.0 h.250.0 to Ch.310.0 h.310.0 to ch.350.0 h.350.0 to Ch.400.00	Cum Cum Cum Cum Cum Cum Cum	1 1 1 1 1	11 17 14 11	5.10 5.10		56.10
Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr	h.0.0 to Ch.10.00 h.10.0 to Ch.50.0 h.50.0 to Ch.110.0 h.110.0 to Ch.160.0 h.160.0 to Ch.200.00 h.200.0 to Ch.250.0 h.250.0 to Ch.310.0 h.310.0 to ch.350.0 h.350.0 to Ch.400.00	Cum Cum Cum Cum Cum Cum Cum	1 1 1 1 1	11 17 14 11	5.10 5.10		56.10
Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr	h.50.0 to Ch.110.0 h.110.0 to Ch.160.0 h.160.0 to Ch.200.00 h.200.0 to Ch.250.0 h.250.0 to Ch.310.0 h.310.0 to ch.350.0 h.350.0 to Ch.400.00	Cum Cum Cum Cum Cum Cum	1 1 1 1	17 14 11	5.10		
Cr Cr Cr Cr Cr Cr Cr Cr Cr	h.110.0 to Ch.160.0 h.160.0 to Ch.200.00 h.200.0 to Ch.250.0 h.250.0 to Ch.310.0 h.310.0 to ch.350.0 h.350.0 to Ch.400.00	Cum Cum Cum Cum Cum	1 1 1	14 11			86.70
Cr Cr Cr Cr Cr Cr	h.160.0 to Ch.200.00 h.200.0 to Ch.250.0 h.250.0 to Ch.310.0 h.310.0 to ch.350.0 h.350.0 to Ch.400.00	Cum Cum Cum Cum	1	11			07.00
Cr Cr Cr Cr Cr Cr	h.200.0 to Ch.250.0 h.250.0 to Ch.310.0 h.310.0 to ch.350.0 h.350.0 to Ch.400.00	Cum Cum Cum	1		3.83		67.62 42.13
Cr Cr Cr Rc	h.310.0 to ch.350.0 h.350.0 to Ch.400.00	Cum	1	14	3.41		47.74
Cr Cr Rc	h.350.0 to Ch.400.00				4.60		78.20
Cł Ro			1		<u>5.10</u> 6.00		56.10 84.00
		Cum	1		5.10		86.70
	oad No.11-Maidan 4th Cross Road-Extn	0			4.00		11.70
	h.0.00 to Ch.10.0 h.10.0 to Ch.40.00	Cum Cum	1	÷	4.93		14.79 44.37
	h.40.0 to Ch.90.00	Cum	1		7.00		98.00
Cł	h.90.0 to Ch.140.0	Cum	1		6.10		85.40
Cł	h.140.0 to Ch195.0	Cum	1	16	5.20		83.20
R	oad No.13-J.M 1st Cross Road						+
Cł	h.0.0 to Ch.10.0	Cum	1	3	2.16		6.48
	h.10.0 to Ch.50.0	Cum	1		2.36		25.96
	h.50.0 to Ch.100.00 h.100.0 to Ch.170.0	Cum Cum	1		<u>1.66</u> 3.43		23.24 68.60
	h.170.0 to Ch.200.0	Cum	1		2.53		27.83
	h.200.0 to Ch.238.0	Cum	1	11	2.36		25.96
	en della de Ministere Orando Dand						
	oad No.15-Mission Street Road h.0.0 to Ch.10.0	Cum	1	3	5.30		15.90
	h.10.0 to Ch.60.0	Cum	1		7.23		101.22
	h.60.0 to Ch.130.0	Cum	1		3.06		61.16
	h.130.0 to Ch.160.0 h.160.0 to Ch.200.0	Cum Cum	1		2.56		23.02 33.33
	11.160.0 to C11.200.0	Cum		11	3.03		33.33
	atch Work For CC Road						
	oad No.1-GHS Road						
	HS h.275.0 to Ch.288.0	Cum	1	4	0.60		2.42
	oad No.4-G.H.S. Cross Road HS						+
	h.15.0 to Ch.68.0	Cum	1	15	1.78		26.76
	HS						
Cł	h.30.0 to Ch.68.0	Cum	1	15	0.23		3.45
					Total Qtv	V-	3476.29
		Rmt		Consider 10			347.63
							-
26 KS joi co	SRRB 3000 Repair of Joint Grooves with Epoxy Mortar SRRB M3000-8 Repairs of spalled joints grooves of contraction joints longitudinal ints and expansion joints in concrete pavement using epoxy mortar concrete omplete as per specifications.Morth specification No.3005.1 SI No : 35.8 of KPWD 18-19)						
Co	onsider Same Qty of Joint Filling@20% of Joint Filler Main Qty.	Rmt			Total Qty	y.	695.26
gra ce gro 27 inc (P	roviding and laying at or near ground level factory made Median kerb stone of M-20 rade cement concrete in position to the required line, level and curvature, jointed with ement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without roves (thickness of joints except at sharp curve shall not to more than 5mm), cluding making drainage opening wherever required complete etc. as per drawing. Precast C.C. kerb stone shall be approved by Engineer-in-charge). RA Attached)		<u> </u>				
Co	onsider Provisional Qty.	Rmt	20)			20.00
		Rmt No's		Total Offic		Sub Total	20.00
Vr	ol of one kerb stone=0.102cum,Total vol of kerb=	No's Cum	<u> </u>	Total Qty.			50 5
		- 4111					Ť
28 ma lift	rovidin and fixing pre cast solid concrete Kerb stones as per the drawing,made out of C M20 and Jointed with CM 1:3 and finishing cutting, including cost of all aterials,labour,hire charges of machinery,loading,unloading,lead and t,transportation etc.,complete SI No : 5.3 of KPWD 18-19)						

r. No.	Description	Unit	No's	L	В	н	Qty.
	Footpath						
	Road No.1-GHS Road LHS						
	Ch.0.0 to Ch.95.00	Rm	1	95			95
	Ch.100.0 to Ch.260.00	Rm	1				160
	Ch.270.0 to Ch.370.00	Rm	1	100			100
	RHS Ch.0.0 to Ch.140.00	Dm	1	140			1.40
	Ch.150.0 to Ch.280.0	Rm Rm	1				140
	Ch.290.0 to Ch.390.0	Rm	1				100
	Road No.2-P.M.Rao Road						
	LHS			170			
	Ch.00.0 to Ch.170.0 RHS	Rm	1	170			170
	Ch.00.0 to Ch.170.0	Rm	1	170			170
	Road No.3-Sharavu Temple Road						
	LHS						
	Ch.0.0 to Ch.170.0	Rm	1	170			170
	RHS Ch.0.0 to Ch.50.0	Rm	1	50			50
	Ch.55.0 to Ch.90.0	Rm	1				35
	Ch.100.0 to Ch.142.0	Rm	1				42
	Road No.4-Sharavu Temple Road						
	LHS	_					
	Ch.0.0 to Ch.50.0	Rm	1				5
	Ch.90.0 to Ch.185.00 RHS	Rm	1	95			9
	Ch.0.0 to Ch.35.0	Rm	1	35			3
	Ch.50.0 to Ch.180.0	Rm	1				130
	Road No.7-Maidan 1st Cross Road						
	LHS						
	Ch.0.0 to Ch.92.00 RHS	Rm	1	92			92
	At Ch.0.00	Rm	1	20			20
	Ch.0.0 to Ch.92.00	Rm	1				92
	Road No.8-Maidan 3rd Cross Road						
	LHS	_					
	Ch.20.0 to Ch.180.0 RHS	Rm	1	160			160
	Ch.0.0 to Ch.180.0	Rm	1	180			180
	Road No.9 Bibi Alabi Road						
	LHS Ch.0.0 to Ch.200.00	Rm	1	200			200
	Ch.210.00 to Ch.320.00	Rm	1	110			110
	Ch.330.0 to Ch.430.00	Rm	1				10
	RHS						
	Ch.30.00 to Ch.160.00	Rm	1	130			13
	Ch.170.00 to Ch.340.00	Rm	1				17
	Ch.345.00 to Ch.430.00	Rm	1	85			8
	Road No.10-Bibi Alabi - Kandak Road						
	LHS						
	Ch.0.0 to Ch.145.0	Rm	1	145			14
	Ch.55.00 to Ch.165.0	Rm	1				11
	Ch.185.00 to Ch.230.0	Rm	1				4
	Ch.320.00 to Ch.405.00	Rm	1			<u> </u>	8
	Ch.425.00 to Ch.460.0	Rm	1	35			3
	RHS Ch.40.0 to Ch.260.0	Dm	4	220			22
	Ch.40.0 to Ch.260.0 Ch.270.0 to Ch.290.0	Rm Rm	1		L	+	22
	Ch.305.0 to Ch.460.0	Rm	1			+	15
				100		1	10
	Road No.11-Maidan 4th Cross Road-Extn.						
	LHS						
	Ch.25.0 to Ch.200.00 RHS	Rm	1	175			17
			1	175			17
		Rm	1 1	. 1/0	-	ł	17
	Ch.0. to Ch.200.00	Rm					
	Ch.0.0 to Ch.200.00	Rm					
		Rm					
	Ch.0.0 to Ch.200.00 Road No.13-J.M.1st Cross Road LHS Ch.160.0 to Ch.170.0	Rm	1	10			
	Ch.0.0 to Ch.200.00 Road No.13-J.M.1st Cross Road LHS Ch.160.0 to Ch.170.0 Ch.175.0 to Ch.200.0	Rm Rm	1	10 25			2
	Ch.0.0 to Ch.200.00 Road No.13-J.M.1st Cross Road LHS Ch.160.0 to Ch.170.0 Ch.175.0 to Ch.200.0 Ch.218.0 to Ch.227	Rm		10 25			2
	Ch.0.0 to Ch.200.00 Road No.13-J.M.1st Cross Road LHS Ch.160.0 to Ch.170.0 Ch.175.0 to Ch.200.0 Ch.218.0 to Ch.227 RHS	Rm Rm Rm	1	10 25 9			2
	Ch.0.0 to Ch.200.00 Road No.13-J.M.1st Cross Road LHS Ch.160.0 to Ch.170.0 Ch.175.0 to Ch.200.0 Ch.218.0 to Ch.227	Rm Rm	1	10 25 9			2
	Ch.0.0 to Ch.200.00 Road No.13-J.M.1st Cross Road LHS Ch.160.0 to Ch.170.0 Ch.218.0 to Ch.200.0 Ch.218.0 to Ch.227 RHS Ch.160.0 to Ch.190.0	Rm Rm Rm	1	10 25 9			2
	Ch.0.0 to Ch.200.00 Road No.13-J.M.1st Cross Road LHS Ch.160.0 to Ch.170.0 Ch.175.0 to Ch.200.0 Ch.218.0 to Ch.227 RHS Ch.160.0 to Ch.190.0 Road No.15-Mission Street Road Extn.	Rm Rm Rm	1	10 25 9			1 2 3
	Ch.0.0 to Ch.200.00 Road No.13-J.M.1st Cross Road LHS Ch.160.0 to Ch.170.0 Ch.218.0 to Ch.200.0 Ch.218.0 to Ch.227 RHS Ch.160.0 to Ch.190.0	Rm Rm Rm	1	10 25 9 30			3
	Ch.0.0 to Ch.200.00 Road No.13-J.M.1st Cross Road LHS Ch.160.0 to Ch.170.0 Ch.175.0 to Ch.200.0 Ch.218.0 to Ch.227 RHS Ch.160.0 to Ch.190.0 Road No.15-Mission Street Road Extn. LHS Ch.0.0 to Ch.20.00 RHS	Rm Rm Rm Rm	1 1 1	10 25 9 30			2 3 2 2
	Ch.0.0 to Ch.200.00 Road No.13-J.M.1st Cross Road LHS Ch.160.0 to Ch.170.0 Ch.175.0 to Ch.200.0 Ch.218.0 to Ch.227 RHS Ch.160.0 to Ch.190.0 Road No.15-Mission Street Road Extn. LHS Ch.0.0 to Ch.20.00	Rm Rm Rm Rm	1 1 1	10 25 9 30 20 20 70			2

No.	Description	Unit	No's	L	В	H Total=	Qty.
	Deduct Resuse Kerb Stone Qty.	Rm	-1	1512.75		Total=	4360.00 -1512.75
							2847.25
	C= A+B/0.45m(length of one Kerb Stone)	Nos				Total(C)	6327.00
	Dicontinuos Kerb at Level Footpath(D)	Cum	1	2818.7	0.15		147.98
	Vol of 1 Kerb=0.028 cum, Total Vol.C*0.028+(D)=	Cum					325.14
	Providin and fixing pre cast solid concrete water table(longitudinal gutter) as per the						
9	drawing,made out of CC M20 and jointed with CM 1:3 and finishing cutting, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and						
	lift,transportation etc.,complete						
	(SI No : 5.3 of KPWD 18-19)						
	Raised Footpath Road No.1-GHS Road						
	LHS						
	Ch.0.0 to Ch.95.00	Rm	1	95			
	Ch.100.0 to Ch.260.00 Ch.270.0 to Ch.370.00	Rm Rm	1	160 100			
	RHS						
	Ch.0.0 to Ch.140.00 Ch.150.0 to Ch.280.0	Rm	1	140 130			
	Ch.290.0 to Ch.280.0 Ch.290.0 to Ch.390.0	Rm Rm	1	130			
	Road No.2-P.M.Rao Road LHS						
	Ch.00.0 to Ch.170.0	Rm	1	170			
	RHS						
	Ch.00.0 to Ch.170.0	Rm	1	170			
	Road No.3-Sharavu Temple Road						
	LHS						
	Ch.0.0 to Ch.170.0 RHS	Rm	1	170			
	Ch.0.0 to Ch.50.0	Rm	1	50			
	Ch.55.0 to Ch.90.0	Rm	1	35			
	Ch.100.0 to Ch.142.0	Rm	1	42			
	Road No.4-Sharavu Temple Road						
	LHS	_					
	Ch.0.0 to Ch.50.0 Ch.90.0 to Ch.185.00	Rm Rm	1	50 95			
	RHS	INII		30			
	Ch.0.0 to Ch.35.0	Rm	1	35			
	Ch.50.0 to Ch.180.0	Rm	1	130			
	Road No.7-Maidan 1st Cross Road						
		Du					
	Ch.0.0 to Ch.92.00 RHS	Rm	1	92			
	At Ch.0.00	Rm	1	20			
	Ch.0.0 to Ch.92.00	Rm	1	92			
	Road No.8-Maidan 3rd Cross Road						
	LHS						
	Ch.20.0 to Ch.180.0	Rm	1	160			
	RHS Ch.0.0 to Ch.180.0	Rm	1	180			
	Road No.9 Bibi Alabi Road LHS						
	Ch.0.0 to Ch.200.00	Rm	1	200			
	Ch.210.00 to Ch.320.00	Rm	1	110			
	Ch.330.0 to Ch.430.00	Rm	1	100			
	RHS Ch.30.00 to Ch.160.00	Rm	1	130			
	Ch.170.00 to Ch.340.00	Rm	1	170			
	Ch.345.00 to Ch.430.00	Rm	1	85			
	Road No.10-Bibi Alabi - Kandak Road						
	LHS						
	Ch.0.0 to Ch.145.0	Rm	1	145			
	Ch.55.00 to Ch.165.0 Ch.185.00 to Ch.230.0	Rm Rm	1	110 45			
	Ch.320.00 to Ch.405.00	Rm	1	85			
	Ch.425.00 to Ch.460.0	Rm	1	35			
	RHS Ch.40.0 to Ch.260.0	Rm	1	220			
	Ch.270.0 to Ch.290.0	Rm	1	220			
	Ch.305.0 to Ch.460.0	Rm	1	155			
	Road No 11-Maidan /th Croce Road-Evtn						
	Road No.11-Maidan 4th Cross Road-Extn. LHS						
	Ch.25.0 to Ch.200.00	Rm	1	175			
	RHS Ch.0.0 to Ch.200.00	Dm	1	475			
		Rm	1	175			

Sr. No.	Description	Unit	No's	L	В	Н	Qty.
	LHS Ch.160.0 to Ch.170.0	D.m.	1	10			10
	Ch.175.0 to Ch.200.0	Rm Rm	1	10 25			10 25
	Ch.218.0 to Ch.227	Rm	1	9			9
	RHS	Du					
	Ch.160.0 to Ch.190.0	Rm	1	30			30
	Road No.15-Mission Street Road Extn.						
	LHS						
	Ch.0.0 to Ch.20.00 RHS	Rm	1	20			20
-	Ch.20.0 to Ch.90.0	Rm	1	70			70
	Ch.180.0 to Ch.200	Rm	1	20			20
	7.10	_					
	Total Qty. C= A+B/0.45m(length of one Kerb Stone)	Rm Nos.					4360 9689
	Total Vol.= 0.0118 cum(Vol of one kerb stone)	Cum					114
30	Reusing existing kerb stone obtained from dismantaling of existing footpath or by other dismantaling work and laying at or near ground level in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm), including transportation to site from stack yard, making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).						
	Consider 50% Qty. Of Existing Dismantaled Kerb available on Site	Rmt	50%	3025.50			1512.75
31	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per MORTH specifications section 8. (SI No : 24.1 of KPWD 18-19)						
	Footpath Road No.1-GHS Road						
	LHS						
-	Ch.0.0 to Ch.95.00	Sqm	1	95		0.275	26.13
	Ch.100.0 to Ch.260.00 Ch.270.0 to Ch.370.00	Sqm	1	160		0.275 0.275	44 27.5
	RHS	Sqm	1	100		0.275	27.5
	Ch.0.0 to Ch.140.00	Sqm	1	140		0.275	38.5
	Ch.150.0 to Ch.280.0 Ch.290.0 to Ch.390.0	Sqm	1	130		0.275	35.75
	Ch.290.0 to Ch.390.0	Sqm	1	100		0.275	27.5
	Road No.2-P.M.Rao Road						
	LHS	C.a.m.	1	170		0.275	46.75
	Ch.00.0 to Ch.170.0 RHS	Sqm	1	170		0.275	40.75
	Ch.00.0 to Ch.170.0	Sqm	1	170		0.275	46.75
	Deed No. 2 Sharayy Temple Deed						
	Road No.3-Sharavu Temple Road LHS						
	Ch.0.0 to Ch.170.0	Sqm	1	170		0.275	46.75
	RHS Ch.0.0 to Ch.50.0	Cart	4	50		0.075	40.75
	Ch.55.0 to Ch.90.0	Sqm Sqm	1	50 35		0.275 0.275	<u>13.75</u> 9.63
	Ch.100.0 to Ch.142.0	Sqm	1	42		0.275	11.55
	Road No.4-Sharavu Temple Road						
	LHS						
	Ch.0.0 to Ch.50.0	Sqm	1	50		0.275	13.75
	Ch.90.0 to Ch.185.00 RHS	Sqm	1	95		0.275	26.13
	Ch.0.0 to Ch.35.0	Sqm	1	35		0.275	9.63
	Ch.50.0 to Ch.180.0	Sqm	1	130		0.275	35.75
	Road No.7-Maidan 1st Cross Road LHS						
	Ch.0.0 to Ch.92.00	Sqm	1	92		0.275	25.3
	RHS	0				0.075	
	At Ch.0.00 Ch.0.0 to Ch.92.00	Sqm Sqm	1	20 92		0.275	<u>5.5</u> 25.3
				52		0.2.0	20.0
	Road No.8-Maidan 3rd Cross Road LHS						
	Ch.20.0 to Ch.180.0	Sqm	1	160		0.275	44
	RHS						
	Ch.0.0 to Ch.180.0	Sqm	1	180		0.275	49.5
	Road No.9 Bibi Alabi Road						
	LHS						
	Ch.0.0 to Ch.200.00	Sqm	1	200		0.275	55
	Ch.210.00 to Ch.320.00 Ch.330.0 to Ch.430.00	Sqm Sqm	1	110 100		0.275 0.275	<u>30.25</u> 27.5
		Uq11		100		0.210	21.3

Sr. No. Description Unit No's L Ch.30.00 to Ch.160.00 Sqm 1 130 Ch.170.00 to Ch.340.00 Sqm 1 170 Ch.345.00 to Ch.340.00 Sqm 1 770 Road No.10-Bibi Alabi - Kandak Road	B H 0.275 0.275 0.275	23.38 39.88 30.25 12.38 23.38 9.63 60.5 5.5 42.63 48.13 48.13 48.13 2.75 6.88 2.48 8.25
Ch.345.00 to Ch.430.00 Sqm 1 85 Read No.10-Bibl Alabi - Kandak Road	0.275 0.275	23.38 39.88 30.25 12.38 23.38 9.63 60.5 5.5 42.63 48.13 48.13 48.13 48.13 5.5 6.88 2.48 8.25 5.5 1199.07 428.00
Road No.10-Bibi Alabi - Kandak Road Image: Character of the state of	0.275 0.275	39.88 30.25 12.38 23.38 9.63 60.5 5.5 42.63 48.13 48.13 48.13 48.13 2.75 6.88 2.48 2.48 3.25 5.5 19.25 5.5 1199.07 428.00
LHS Sqm 1 Ch.0.0 to Ch.145.0 Sqm 1 145 Ch.55.00 to Ch.165.0 Sqm 1 145 Ch.35.00 to Ch.280.0 Sqm 1 45 Ch.220.01 to Ch.480.0 Sqm 1 85 Ch.420.01 to Ch.480.0 Sqm 1 35 RHS Ch.280.01 to Ch.480.0 Sqm 1 20 Ch.270.01 to Ch.280.0 Sqm 1 20 Ch.305.01 to Ch.480.0 Sqm 1 20 Ch.305.01 to Ch.280.0 Sqm 1 155 165 165 175 <td>0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275</td> <td>30.25 12.38 9.63 9.63 60.5 5.5 42.63 48.13 48.13 48.13 2.75 6.88 2.48 8.25 5.5 19.25 5.5 1199.07 428.00</td>	0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275	30.25 12.38 9.63 9.63 60.5 5.5 42.63 48.13 48.13 48.13 2.75 6.88 2.48 8.25 5.5 19.25 5.5 1199.07 428.00
Ch.0.0 to Ch.145.0 Sgm 1 145 Ch.55.00 to Ch.165.0 Sgm 1 110 Ch.185.00 to Ch.200.0 Sgm 1 45 Ch.220.00 to Ch.460.0 Sgm 1 85 Ch.425.00 to Ch.260.0 Sgm 1 35 RHS Sgm 1 200 Ch.325.00 to Ch.260.0 Sgm 1 200 Ch.305.00 to Ch.260.0 Sgm 1 200 Ch.305.00 to Ch.260.0 Sgm 1 200 Ch.305.00 to Ch.460.0 Sgm 1 155 Road No.11-Maidan 4th Cross Road-Extn. Image: Sgm 1 175 RhS Image: Sgm 1 175	0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275	30.25 12.38 9.63 9.63 60.5 5.5 42.63 48.13 48.13 48.13 2.75 6.88 2.48 8.25 5.5 19.25 5.5 1199.07 428.00
Ch.55.001 ch.165.0 Sqm 1 110 Ch.185.001 ch.230.0 Sqm 1 45 Ch.320.01 ch.486.00 Sqm 1 85 Ch.420.01 ch.486.00 Sqm 1 35 Ch.420.01 ch.486.00 Sqm 1 35 Ch.40.01 ch.480.0 Sqm 1 20 Ch.20.01 ch.280.0 Sqm 1 20 Ch.305.01 ch.480.0 Sqm 1 155 Road No.11-Maidan 4th Cross Road-Extn. Image: Sqm 1 175 RhS Sqm 1 175 Sqm 1 175 Road No.13-J.M.14 Cross Road Sqm 1 175 Sqm 1 175 RhS Sqm 1 175 Sqm 1 100 Ch.160.0 to Ch.170.0 Sqm 1 100 Ch.160.0 to Ch.170.0 Sqm 1 20 Sqm 1 20 RhS Sqm 1 20 Sqm 1 20 Ch.160.0	0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275	30.25 12.38 9.63 9.63 60.5 5.5 42.63 48.13 48.13 48.13 2.75 6.88 2.48 8.25 5.5 19.25 5.5 1199.07 428.00
Ch.185.00 to Ch.230.0 Sqm 1 45 Ch.425.00 to Ch.405.00 Sqm 1 85 Ch.425.00 to Ch.405.00 Sqm 1 35 RHS Sqm 1 20 Ch.205.01 Ch.260.0 Sqm 1 20 Ch.250.10 Ch.260.0 Sqm 1 20 Ch.250.10 Ch.260.0 Sqm 1 20 Ch.250.10 Ch.260.0 Sqm 1 20 Ch.25.0 to Ch.200.00 Sqm 1 175 RtS 175 Ch.0.0 to Ch.200.00 Sqm 1 175 RtS 175 Ch.0.0 to Ch.200.00 Sqm 1 10 Ch.160.0 to Ch.170.0 Sqm 1 10 Ch.176.0 to Ch.277 Sqm 1 30 Road No.15-Mission Street Road Extn. 20 1 Ch.00 to Ch.90.0 Sqm 1 20 RHS 1 20	0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275	12.38 23.38 9.63 60.5 5.5 42.63 48.13 48.13 48.13 2.75 6.88 2.48 8.25 5.5 19.25 5.5 1199.07 428.00
Ch.320.00 to Ch.405.00 Sqm 1 85 Ch.425.00 to Ch.480.0 Sqm 1 35 RHS Sqm 1 220 Ch.20.0 to Ch.280.0 Sqm 1 220 Ch.305.0 to Ch.280.0 Sqm 1 220 Ch.305.0 to Ch.280.0 Sqm 1 250 Ch.305.0 to Ch.280.0 Sqm 1 155 Road No.11-Maidan 4th Cross Road-Extn. 1 1 155 RHS Sqm 1 175 Ch.25.0 to Ch.200.00 Sqm 1 175 RHS Sqm 1 175 Ch.0.0 to Ch.170.0 Sqm 1 10 Ch.160.0 to Ch.170.0 Sqm 1 10 Ch.160.0 to Ch.170.0 Sqm 1 30 RHS Sqm 1 30 RhS Sqm 1 30 Ch.160.0 to Ch.190.0 Sqm 1 30 Road No.15-Mission Street Road Extn. Ch.160.0 to Ch.90.0 Sqm	0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275	9.63 60.5 5.5 42.63 48.13 48.13 48.13 2.75 6.88 2.48 2.48 8.25 5.5 19.25 5.5 1199.07 428.00
RHS	0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275	60.5 5.5 42.63 48.13 48.13 48.13 2.75 6.88 2.48 8.25 5.5 19.25 5.5 1199.07 428.00
Ch.40.0 to Ch.260.0 Sqm 1 220 Ch.270.0 to Ch.290.0 Sqm 1 20 Ch.305.0 to Ch.460.0 Sqm 1 155 Read No.11-Maidan 4th Cross Road-Extn. 1 15 LHS 1 175 Ch.25.0 to Ch.200.00 Sqm 1 175 RHS 2 1 175 Ch.0.0 to Ch.200.00 Sqm 1 175 RHS 2 1 175 Ch.0.0 to Ch.200.00 Sqm 1 175 Road No.13-J.M.1st Cross Road 2 1 175 Ch.160.0 to Ch.170.0 Sqm 1 20 Ch.160.0 to Ch.170.0 Sqm 1 20 Ch.160.0 to Ch.190.0 Sqm 1 20 Ch.160.0 to Ch.190.0 Sqm 1 20 RHS 2 Sqm 1 20 Ch.160.0 to Ch.200.0 Sqm 1 20 RHS 2 Sqm 1 20	0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275	5.5 42.63 48.13 48.13 2.75 6.88 2.48 2.48 8.25 5.5 19.25 5.5 1199.07 428.00
Ch.270.0 to Ch.290.0 Sqm 1 20 Ch.305.0 to Ch.460.0 Sqm 1 155 Road No.11-Maidan 4th Cross Road-Extn. LHS Sqm 1 175 RhB Sqm 1 175 RHS Sqm 1 175 Road No.13-J.M.1st Cross Road 1 LHS Sqm 1 175 Road No.13-J.M.1st Cross Road 1 10 Ch.160.0 to Ch.170.0 Sqm 1 10 Ch.175.0 to Ch.200.0 Sqm 1 25 Ch.180.0 to Ch.170.0 Sqm 1 10 Ch.175.0 to Ch.200.0 Sqm 1 9 RHS 30 30 30 30 Ch.180.0 to Ch.190.0 Sqm 1 20 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 <td>0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275</td> <td>5.5 42.63 48.13 48.13 2.75 6.88 2.48 2.48 8.25 5.5 19.25 5.5 1199.07 428.00</td>	0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275	5.5 42.63 48.13 48.13 2.75 6.88 2.48 2.48 8.25 5.5 19.25 5.5 1199.07 428.00
Road No.11-Maidan 4th Cross Road-Extn. Image: model of the state of t	0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275	48.13 48.13 2.75 6.88 2.48 8.25 5.5 19.25 5.5 1199.07 428.00
LHS Sqm 1 Ch.25.0 to Ch.200.00 Sqm 1 175 RHS Sqm 1 175 Ch.0.0 to Ch.200.00 Sqm 1 175 Road No.13-J.M.1st Cross Road Sqm 1 175 Ch.160.0 to Ch.200.0 Sqm 1 10 Ch.175.0 to Ch.200.0 Sqm 1 10 Ch.175.0 to Ch.200.0 Sqm 1 10 Ch.175.0 to Ch.200.0 Sqm 1 25 Ch.28.0 to Ch.227 Sqm 1 9 RHS 1 30 Ch.160.0 to Ch.190.0 Sqm 1 20 RHS 1 20 Ch.20.0 to Ch.20.00 Sqm 1 70 Ch.180.0 to Ch.20.00 Sqm 1 20 RHS 1 20 Queting. Sqm 1 20 Sqm 1 20 1 Q	0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275	48.13 2.75 6.88 2.48 8.25 5.5 19.25 5.5 1199.07 428.00
LHS Sqm 1 Ch.25.0 to Ch.200.00 Sqm 1 175 RHS Sqm 1 175 Ch.0.0 to Ch.200.00 Sqm 1 175 Road No.13-J.M.1st Cross Road Sqm 1 175 Ch.160.0 to Ch.170.0 Sqm 1 10 Ch.175.0 to Ch.200.0 Sqm 1 10 Ch.175.0 to Ch.200.0 Sqm 1 10 Ch.175.0 to Ch.200.0 Sqm 1 25 Ch.218.0 to Ch.227 Sqm 1 9 RHS 1 30 Ch.160.0 to Ch.190.0 Sqm 1 30 Road No.15-Mission Street Road Extn. 1 70 Ch.20.0 to Ch.20.00 Sqm 1 70 20 RHS 1 70 Ch.180.0 to Ch.20.00 Sqm 1 20 Sqm 1 20 RHS 1 20 1	0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275	48.13 2.75 6.88 2.48 8.25 5.5 19.25 5.5 1199.07 428.00
RHS Sqm 1 175 Ch.0.0 to Ch.200.00 Sqm 1 175 Road No.13-J.M.1st Cross Road LHS Ch.160.0 to Ch.170.0 Sqm 1 10 Ch.175.0 to Ch.200.0 Sqm 1 25 Ch.218.0 to Ch.227 Sqm 1 29 RHS 30 Ch.160.0 to Ch.190.0 Sqm 1 30 Road No.15-Mission Street Road Extn. 1 30 Ch.0.0 to Ch.20.00 Sqm 1 20 1 20 RHS 1 20 1 20 Ch.20.0 to Ch.90.0 Sqm 1 20 1 20 Ch.180.0 to Ch.200 Sqm 1 20 2 2 2 2 2 2 2	0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275	48.13 2.75 6.88 2.48 8.25 5.5 19.25 5.5 1199.07 428.00
Ch.0.0 to Ch.200.00 Sqm 1 175 Road No.13-J.M.1st Cross Road	0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275	2.75 6.88 2.48 8.25 5.5 19.25 5.5 1199.07 428.00
Road No.13-J.M.1st Cross Road Image: Constraint of the system of the syste	0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275 0.275	2.75 6.88 2.48 8.25 5.5 19.25 5.5 1199.07 428.00
LHS Sqm 1 10 Ch.160.0 to Ch.170.0 Sqm 1 25 Ch.218.0 to Ch.200.0 Sqm 1 25 Ch.218.0 to Ch.227 Sqm 1 9 RHS	0.275 0.275 0.275 0.275 0.275 0.275 0.275 Total Qty.	6.88 2.48 8.25 5.5 19.25 5.5 1199.07 428.00
Ch.160.0 to Ch.170.0 Sqm 1 10 Ch.175.0 to Ch.200.0 Sqm 1 25 Ch.218.0 to Ch.227 Sqm 1 29 RHS Sqm 1 30 Ch.160.0 to Ch.190.0 Sqm 1 30 Road No.15-Mission Street Road Extn. LHS Ch.0.0 to Ch.20.00 Sqm 1 20 RHS Ch.20.0 to Ch.90.0 Sqm 1 20 Ch.180.0 to Ch.200 Sqm 1 20 Ch.180.0 to Ch.200 Sqm 1 20 20	0.275 0.275 0.275 0.275 0.275 0.275 0.275 Total Qty.	6.88 2.48 8.25 5.5 19.25 5.5 1199.07 428.00
Ch.175.0 to Ch.200.0 Sqm 1 25 Ch.218.0 to Ch.227 Sqm 1 9 RHS 1 9 Ch.160.0 to Ch.190.0 Sqm 1 30 Road No.15-Mission Street Road Extn. 1 1 1 LHS 1 1 20 Ch.0.0 to Ch.20.00 Sqm 1 20 RHS 1 20 1 20 Ch.20.0 to Ch.20.00 Sqm 1 20 RHS 1 20 1 20 Ch.180.0 to Ch.20.00 Sqm 1 20 Ch.180.0 to Ch.20.00 Sqm 1 20 Mathematical Segm 1 20 20 Image: Segm 1 20 20 20 Image: Segm 1 20 20 20 Image: Segm Image: Segm 1 20 20 Image: Segm Image: Segm 1 20 20 Image: Segm	0.275 0.275 0.275 0.275 0.275 0.275 0.275 Total Qty.	6.88 2.48 8.25 5.5 19.25 5.5 1199.07 428.00
Ch.218.0 to Ch.227 Sqm 1 9 RHS	0.275 0.275 0.275 0.275 0.275 0.275 Total Qty.	2.48 8.25 5.5 19.25 5.5 1199.07 428.00
Ch.160.0 to Ch.190.0 Sqm 1 30 Road No.15-Mission Street Road Extn. LHS Sqm 1 20 Rhs Sqm 1 20 Ch.0.0 to Ch.20.00 Sqm 1 20 RHS Sqm 1 20 Ch.20.0 to Ch.90.0 Sqm 1 70 Ch.180.0 to Ch.200 Sqm 1 70 Ch.180.0 to Ch.200 Sqm 1 20 Sqm 1 20 Sqm 1 20 P/F FRP Recess Cover (2.5T) 900mmx600 mm with frame on Manhole for electrical ducting. Image: Coverting the state of the s	0.275 0.275 0.275 0.275 0.275 Total Qty.	5.5 19.25 5.5 1199.07 428.00
Road No.15-Mission Street Road Extn. Image: Character Road Extn. Image: Character Road Extn. LHS Image: Character Road Extn. Image: Character Road Extn. Image: Character Road Extn. Ch.0.0 to Ch.20.00 Sqm 1 20 RHS Image: Character Road Extn. Image: Character Road Extn. Image: Character Road Extn. Ch.0.0 to Ch.20.00 Sqm 1 20 Ch.20.0 to Ch.90.0 Sqm 1 70 Ch.180.0 to Ch.200 Sqm 1 20 Image: Character Road Extn. Stress Cover (2.5T) 900mmx600 mm with frame on Manhole for electrical ducting. Image: Character Road term 1 Image: Character Road Road No.1 G.H.S.Road Image: Character Road No.1 G.H.S.Road Image: Character Road term 1 Image: SWD	0.275 0.275 0.275 0.275 0.275 Total Qty.	5.5 19.25 5.5 1199.07 428.00
LHS Sqm 1 20 RHS	0.275 0.275 Total Qty.	19.25 5.5 1199.07 428.00
Ch.0.0 to Ch.20.00 Sqm 1 20 RHS Sqm 1 70 Ch.20.0 to Ch.90.0 Sqm 1 70 Ch.20.0 to Ch.90.0 Sqm 1 70 Ch.180.0 to Ch.200 Sqm 1 20 Image: Sqm 1 20 Sqm 1 20 Image: Sqm Image: Sqm 1 20 Image: Sqm 1 20 Image: Sqm Image: Sqm <t< td=""><td>0.275 0.275 Total Qty.</td><td>19.25 5.5 1199.07 428.00</td></t<>	0.275 0.275 Total Qty.	19.25 5.5 1199.07 428.00
RHS Sqm 1 70 Ch.20.0 to Ch.90.0 Sqm 1 70 Ch.180.0 to Ch.200 Sqm 1 20 Ch.20.0 to Ch.200 Sqm 1 20 Sqm Sqm 1 20 Sqm Ch.20 Sqm 1 32 P/F FRP Recess Cover (2.5T) 900mmx600 mm with frame on Manhole for electrical ducting. Nos. 2 P/F FRP Recess Cover (2.5T) 600mmx450 mm with frame at raised footpath on SWD. Nos. 1 1 33 SWD. SWD 1 1 1 SWD SWD 1 1 1 1 Road No.1 G.H.S.Road 1 1 1 1 1 Base <	0.275 0.275 Total Qty.	19.25 5.5 1199.07 428.00
Ch.20.0 to Ch.90.0 Sqm 1 70 Ch.180.0 to Ch.200 Sqm 1 20 Sqm 1 20 Sqm 1 20 P/F FRP Recess Cover (2.5T) 900mmx600 mm with frame on Manhole for electrical ducting. Image: Constant of the system of	0.275 Total Qty.	5.5 1199.07 428.00
Sqm Sqm 32 P/F FRP Recess Cover (2.5T) 900mmx600 mm with frame on Manhole for electrical ducting. Image: Control of the system of	Total Qty.	1199.07 428.00
32 P/F FRP Recess Cover (2.5T) 900mmx600 mm with frame on Manhole for electrical ducting. Image: Cover (2.5T) 900mmx600 mm with frame on Manhole for electrical ducting. Power Duct Chambers Nos. 2 214 SWD. 1 1 Road No.1 G.H.S.Road 1 1 Node-MH-633 to MH-634 1 1 Base Rm 1.00 39.90 Node-MH-634 to MH-635 1 1 1 Base Rm 1.00 49.40 Node-MH-635 to MH-636 1 1 1		428.00
32 P/F FRP Recess Cover (2.5T) 900mmx600 mm with frame on Manhole for electrical ducting. Image: Cover (2.5T) 900mmx600 mm with frame on Manhole for electrical ducting. Power Duct Chambers Nos. 2 214 SWD. 1 1 Road No.1 G.H.S.Road 1 1 Node-MH-633 to MH-634 1 1 Base Rm 1.00 39.90 Node-MH-634 to MH-635 1 1 1 Base Rm 1.00 49.40 Node-MH-635 to MH-636 1 1 1		428.00
32 ducting. Nos. 2 214 Power Duct Chambers Nos. 2 214 Node-MH-633 attached) 2 2 Road No.1 G.H.S.Road 2 2 Node-MH-633 to MH-634 2 2 Base Rm 1.00 39.90 Node-MH-635 to MH-635 2 2 Base Rm 1.00 49.40 Node-MH-635 to MH-636 2 2	Total Qty.	
Outcling. Nos. 2 214 Power Duct Chambers Nos. 2 214 SWD. 2 2 214 SWD 2 2 214 Road No.1 G.H.S.Road 2 2 Base Rm 1.00 39.90 Node-MH-634 to MH-635 2 2 Base Rm 1.00 49.40 Node-MH-635 to MH-636 2 2	Total Qty.	
Nos. Nos. 33 P/F FRP Recess Cover (2.5T) 600mmx450 mm with frame at raised footpath on SWD. (Rate analysis attached) Image: Comparison of the second se	Total Qty.	
P/F FRP Recess Cover (2.5T) 600mmx450 mm with frame at raised footpath on SWD. Image: Control of the system of		420.00
Road No.1 G.H.S.Road		
Node-MH-633 to MH-634 Minimize Base Rm 1.00 39.90 Node-MH-634 to MH-635 Base Rm 1.00 49.40 Node-MH-635 to MH-636		
Node-MH-634 to MH-635 m 1.00 49.40 Node-MH-635 to MH-636 m m 1.00 49.40		
Base Rm 1.00 49.40 Node-MH-635 to MH-636		39.90
Node-MH-635 to MH-636		49.40
Base too otto		10.10
Base Rm 1.00 24.10		24.10
Node-MH-636 to MH-637 Rm 1.00 54.40		54.40
Node-MH-637 to MH-638		01.10
Base Rm 1.00 52.40		52.40
Node-MH-638 to MH-639 Rm 1.00 31.90		31.90
Node-MH-639 to MH-640		51.00
Base Rm 1.00 16.40		16.40
Node-MH-640 to MH-641 Rm 1.00 29.00		29.00
Node-MH-641 to MH-642		20.00
Base Rm 1.00 61.20		61.20
Node-MH-797 to MH-798		
Base Rm 1.00 40.20		40.20
Node-MH-798 to MH-799		07.00
Base Rm 1.00 27.00 Node-MH-799 to MH-800		27.00
Base Rm 1.00 21.90		21.90
Node-MH-800 to MH-802		70.00
Base Rm 1.00 79.60 Node-MH-802 to MH-654		79.60
Base Rm 1.00 47.80		47.80
Node-MH-803 to MH-804 Rm 1.00 50.10		50.10
Node-MH-804 to MH-805		50.10
Base Rm 1.00 33.70		00 70
Node-MH-805 to O-85 Rm 1.00 44.37		33.70
		33.70 44.37
Road No.2-P.M.Rao Road No.de-MH-644		

Sr. No.	Description	Unit	No's	L	В	Н	Qty.
	Base Node-MH-645	Rm	1.00				38.10
	Base Node-MH-646	Rm	1.00	26.80			26.80
	Base Node-MH-647	Rm	1.00	32.50			32.50
	Base	Rm	1.00	46.40			46.40
	Node-MH-648 Base	Rm	1.00	27.60			27.60
	Node-MH-639 Base	Rm	1.00	11.30			11.30
	Road No.3-Sharavu Temple Road						
	Node-MH-649 to MH-650	D.u.	1.00	40.00			40.00
	Base Node-MH-650 to MH-651	Rm	1.00				42.80
	Base Node-MH-651 to MH-652	Rm	1.00	51.30			51.30
	Base Node-MH-652 to MH-653	Rm	1.00	23.80			23.80
	Base	Rm	1.00	25.10			25.10
	Node-MH-653 to O-76 Base	Rm	1.00	38.80			38.80
	Road No.4-G.H.S. Cross Road						
	Node-MH-654 to MH-655 Base	Rm	1.00	12.80			12.80
	Node-MH-655 to MH-656						
	Base Node-MH-656 to MH-657	Rm	1.00				24.80
	Base Node-MH-657 to MH-658	Rm	1.00	24.70			24.70
	Base Node-MH-658to MH-659	Rm	1.00	17.60			17.60
	Base	Rm	1.00	45.50			45.50
	Node-MH-659 to MH-660 Base	Rm	1.00	30.10			30.10
	Node-MH-660 to O-77 Base	Rm	1.00	24.10			24.10
	Road No.5-Vithoba Temple Road						
	Node-MH-796 to MH-662						
	Base Node-MH-662 to MH-663	Rm	1.00	14.70			14.70
	Base Node-MH-663 to MH-664	Rm	1.00	126.10			126.10
	Base Node-MH-664 to MH-665	Rm	1.00	36.70			36.70
	Base	Rm	1.00	26.70			26.70
	Node-MH-665 to MH-666 Base	Rm	1.00	16.20			16.20
	Node-MH-666 to MH-667 Base	Rm	1.00	87.90			87.90
	Node-MH-667 to MH-668 Base	Rm	1.00	18.30			18.30
	Node-MH-668 to MH-669						
	Base Node-MH-669 to MH-670	Rm	1.00				64.50
	Base Node-MH-670 to MH-671	Rm	1.00	37.10			37.10
	Base Node-MH-671 to O-78	Rm	1.00	21.10			21.10
	Base	Rm	1.00	27.40			27.40
	Road No.7-Maidan 1st Cross Road Node-MH-680 to O-81	_					
	Base Node-MH-678 to O-80	Rm	1.00	103.10			103.10
	Base Road No.8-Maidan 3rd Cross Road	Rm	1.00	96.20			96.20
	Node-MH-682 to MH-683	Dm	1.00	29.90			20.00
	Base Node-MH-683 to MH-684	Rm					29.90
	Base Node-MH-684 to MH-685	Rm	1.00	44.80			44.80
	Base Node-MH-685 to MH-686	Rm	1.00	65.70			65.70
	Base	Rm	1.00	32.60			32.60
	Node-MH-686 to MH-691 Base	Rm	1.00	8.10			8.10
	Node-MH-687 to MH-688 Base	Rm	1.00	31.20			31.20
	Node-MH-688 to MH-689 Base	Rm	1.00	55.30			55.30
	Node-MH-689 to MH-690		1.00				
	Base Node-MH-690 to MH-691	Rm					37.50
	Base Road No.9-Bibi Alabi Road	Rm	1.00	51.00			51.00
	Node-MH-692 to MH-693						

Sr. No.	Description Base	Unit Rm	No's	L 47.90	В	Н	Qty. 47.90
	Node-MH-693 to MH-680 Base	Rm	1.00				6.00
	Node-MH-694 to MH-695						
	Base Node-MH-695 to MH-696	Rm	1.00				12.60
	Base Node-MH-696 to MH-697	Rm	1.00	77.30			77.30
	Base Node-MH-697 to MH-698	Rm	1.00	32.10			32.10
	Base Node-MH-698 to MH-699	Rm	1.00	100.20			100.20
	Base	Rm	1.00	36.40			36.40
	Node-MH-699 to MH-700 Base	Rm	1.00	60.30			60.30
	Node-MH-700 to MH-701 Base	Rm	1.00	53.40			53.40
	Node-MH-701 to O-83 Base	Rm	1.00	27.40			27.40
	Node-MH-703 to MH-704 Base	Rm	1.00				223.40
	Node-MH-704 to MH-705		1.00				
	Base Node-MH-705 to MH-706	Rm					19.10
	Base Node-MH-706 to MH-707	Rm	1.00	48.30			48.30
	Base Node-MH-707 to O-87	Rm	1.00	94.80			94.80
	Base Road No.10-Bibi Alabi-Kandak Road	Rm	1.00	66.90			66.90
	Node-MH-709 to MH-710	D=:	1.00	00.00			
	Base Node-MH-710 to MH-686	Rm	1.00				62.30
	Base Node-MH-686 to MH-691	Rm	1.00	75.30			75.30
	Base Node-MH-691 to MH-711	Rm	1.00	8.10			8.10
	Node-MH-711 to MH-712	Rm	1.00	28.90			28.90
	Base	Rm	1.00	43.80			43.80
	Node-MH-712 to MH-713 Base	Rm	1.00	10.80			10.80
	Node-MH-713 to MH-714 Base	Rm	1.00	25.20			25.20
	Node-MH-714 to MH-715 Base	Rm	1.00	54.20			54.20
	Node-MH-715 to MH-716 Base	Rm	1.00				28.60
	Node-MH-716 to MH-717						
	Base Node-MH-717 to MH-718	Rm	1.00				20.30
	Base Node-MH-718 to MH-719	Rm	1.00				11.30
	Base Node-MH-719 to MH-720	Rm	1.00	50.70			50.70
	Base Road No.11-Maidan 4th Cross Road-Extn	Rm	1.00	34.50			34.50
	Node-MH-721 to MH-722 Base	Rm	1.00	43.80			43.80
	Node-MH-722 to MH-723						
	Base Node-MH-723 to MH-724	Rm	1.00				31.00
	Base Node-MH-724 to MH-725	Rm	1.00	25.50			25.50
	Base Node-MH-725 to MH-713	Rm	1.00	59.00			59.00
	Base Node-MH-726 to MH-727	Rm	1.00	33.80			33.80
	Base	Rm	1.00	39.70			39.70
	Node-MH-727 to MH-728 Base	Rm	1.00	41.70			41.70
	Node-MH-728 to MH-729 Base	Rm	1.00	91.70			91.70
	Node-MH-729 to MH-712 Base	Rm	1.00	21.80			21.80
	Node-MH-712 to MH-713 Base	Rm	1.00				10.80
	Road No.13-J.M 1st Cross Road		1.00	10.00			10.00
	Node-MH-781 to MH-782 Base	Rm	1.00	57.60			57.60
	Node-MH-782 to MH-783 Base	Rm	1.00	30.60			30.60
	Node-MH-783 to MH-784 Base	Rm	1.00	40.80			40.80
	Node-MH-785 to MH-786 Base	Rm	1.00				21.20
	Node-MH-786 to MH-787						
	Base Node-MH-787 to MH-788	Rm	1.00	21.80			21.80

Non-Math 728 to Mark 100 Design of the second	Sr. No.	Description Base	Unit Rm	No's 1.00	L 25.00	В	Н	Qty. 25.00
Road No.1 Stringson Streek Road Image		Node-MH-788 to MH-518						
Note-MH-78 to MH-78 m 10 22.0 Base Mm 10 22.0 22.20 Base Mm 10 22.0 22.20 Node-MH-72 to MH-72 Mm 100 72.20 22.20 Node-MH-72 to MH-73 Mm 100 72.20 22.10 Mode-MH-72 to MH-73 Mm 100 72.0 41.7 Rese Mm 100 10.0 41.7 41.7 Rese Mm 100 10.0 41.7 41.7 Rese Mm 100 10.0 10.0 41.7 Rese Mm 100 10.0 10.0 41.0 41.0 Rese Mm 100 10.0 10.0 41.0 41.0 Mm Mm 100 10.0 10.0 10.0 10.0 10.0 Mm Mm 10.0 Mm 10.0 10.0 10.0 10.0 Mm Mm 10.0 Mm			Rm	1.00	14.80			14.80
Note-Hit-70 to Mit-70 Nn 1.00 23.20 Bits Nn 1.00 23.20 24.20 Nose-Hit-70 to Mit-702 Nn 1.00 23.20 24.20 Nose-Hit-72 to Mit-702 Nn 1.00 47.10 27.10 27.10 Nose-Hit-72 to Mit-703 Nn 1.00 47.10 41.170 41.170 Nose-Hit-72 to Mit-730 Nn 1.00 41.70 41.170 41.170 Nose-Hit-72 to Mit-730 Nn 1.00 41.70 41.170 41.170 Nose-Hit-72 to Mit-730 Nn 1.00 41.70 41.170 41.170 Nose-Hit-72 to Mit-730 Nn 1.00 41.00 43.01		Node-MH-789 to MH-790						
Base Base <th< td=""><td></td><td></td><td>Rm</td><td>1.00</td><td>32.40</td><td></td><td></td><td>32.40</td></th<>			Rm	1.00	32.40			32.40
Base Brn 1.00 32.40 42.00 Node MH-7210 MH-720 0 27.00 27.00 Node MH-7210 MH-720 0 27.00 27.00 Node MH-7210 MH-720 0 27.00 47.70 Node MH-7210 MH-720 0 1.00 41.70 41.70 Node MH-7210 MH-720 0 0 0.00 41.70 41.70 State MH-7210 MH-720 0 0 0 0.00 41.70 41.70 Consider Damine B 100 CC Estatore Not 0 61.00 51.00 51.00 51.00 Total no. Dicovers Note Note 1 41.00 71.00 451.00 Phy FNP Ward galv cover unithrane (25) recorms500 nm at lowid copat. 7 1 52 52.00 52.		Base	Rm	1.00	23.20			23.20
Box 4M1-792 to M1-792 Image Image<			Rm	1.00	32.40			32.40
Node-MH-731 to MH-732 Fm 100 41.70 Base Rm 100 41.70 Node-MH-732 to MH-735 Rm 100 41.70 Base Rm 100 41.70 Base Rm 100 41.70 Constant Chamber 81 for CC datases Nos Teal OY. 41.70 Constant Chamber 81 for CC datases Nos Teal OY. 451.80 PF TFP Wate pays conv with frame (257) 500 rms.500 rm at level toojaat. Teal OY. 451.80 Note MH-720 Res Mt-1048 Read Res Mt-1048 Read Res 1 158 Res Mt-1048 Read Res 1 158 32 Res Mt-1048 Read Res 1 158 32 Res Mt-108 Res 1 152 32 32 Res Mt-208 Read Res 1 152 32 32 Res Mt-208 Read Res 1 32 32 32 32 32								32.40
Base Prin 1.00 41.70 41.70 Node-MH-794 to MH-795 Prin 1.00 51.20 51.20 Base Prin 1.00 51.20 51.80 Base Prin 1.00 51.80 400.17 Costainer Chartiner Störn CC datance Note Total OD. 400.07 Print Fought with Carring PST Note Total OD. 400.07 All and the Analysis starbool Note Total OD. 41.00 All and the Analysis starbool Note Total OD. 41.00 All and the Analysis starbool Rm 1 10 10 All and the Analysis starbool Rm 1 18 10 Cost Mouth Ch.290.00 Rm 1 18 36 30.0 Cost Mouth Ch.290.00 Rm 1 36 30.0 30.0 30.0 30.0 30.0 30.0 30.0 30.0 30.0 30.0 30.0 30.0 30.0 30.0 30.0 30.0 30.0 3			Rm	1.00	27.10			27.10
Base Rm 100 51.20 51.20 Adder HL755 to HH-475 Rm 100 61.80 451.00 Consider Churther @10m C/C datarno Nos. Total GU 451.00 Total no. 07 covers Nos. Total GU 451.00 PF FR9 Water galy roots with tame (207) f00mus500 nm at level focquark. Total GU 451.00 Pice Address Covers Nos. Total GU 451.00 Covers Address Covers Ros Mod Row Mod Row Mod 87 Covers Address Covers Row Mod Row Mod 100 450.00 Covers Address Covers Row Mod Row Mod 100 450.00 Covers Address Covers Row Mod Row Mod 100		Base	Rm	1.00	41.70			41.70
Note-MH-726 to MH-726 t			Rm	1.00	51 20			51.20
Image: Classifier Cla			INIT	1.00	51.20			51.20
Consider Chamber 8 10m CC datance Nes. Tetal CN 451.00 7 F4P FV Ware gale over with frame (25T) 600mms500 mm at level focipath. Image: Constraint over with frame (25T) 600mms500 mm at level focipath. Image: Constraint over with frame (25T) 600mms500 mm at level focipath. Image: Constraint over with frame (25T) 600mms500 mm at level focipath. Image: Constraint over with frame (25T) 600mms500 mm at level focipath. Image: Constraint over with frame (25T) 600mms500 mm at level focipath. Image: Constraint over with frame (25T) 600mms500 mm at level focipath. Image: Constraint over with frame (25T) 600mms500 mm at level focipath. Image: Constraint over with frame (25T) 600mms500 mm at level focipath. Image: Constraint over with frame (25T) 600mms500 mm at level focipath. Image: Constraint over with frame (25T) 600mms500 mm at level focipath. Image: Constraint over with frame (25T) 600mms500 mm at level focipath. Image: Constraint over with frame (25T) 600mms500 mm at level focipath. Image: Constraint over with frame (25T) 600mms500 mm at level focipath. Image: Constraint over with frame (25T) 600mms500 mm at level focipath. Image: Constraint over with frame (25T) 600mms500 mm at level focipath. Image: Constraint over with frame (25T) 600mms500 mm at level focipath. Image: Constraint over with frame (25T) 600mms500 mm at level focipath. Image: Constraint over with frame (25T) 600mms500 mm at level focipath. Image: Constraint over with frame (25T) 600mms500 mm at level focipath. Image: Constraint over with frame (25T) 600mms500 mm at level focipath. Image: Cons		Base	Rm	1.00	51.90			
PF FRP Water guly cover with transe (25T) 600 mm/s500 mm at level footpath. PA PA PA 34 Rate straights attracted) PA			Nos.					
34 (Rate analysis structure)		Total no. Of covers	Nos.		Total Qty.			451.00
Read No.1-GHS Read Image: Control of the image in th	34	(Rate analysis attached)						
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LUIS-Ch.10.00 to Ch.50.00-Parking Rm 1 262 292 Read No.3Sharav Temple Road Nm 1 20 292 Road No.3Sharav Temple Road Rm 1 20 20 Parking Rm 1 20 20 Ch.165.00 to Ch.190.0 Rm 1 10 18 Ch.165.00 to Ch.190.0 Rm 1 40 40 Parking Rm 40 40 40 Parking Rm 1 15 15 Ch.165.00 to Ch.190.0 Rm 1 15 15 Ch.36.00 to Ch.90.0 Rm 1 40 40 Read No.46.1H.5. Cross Road Rm 1 40 40 Ch.36.00 to Ch.90.0 Rm 1 197 1177 Ch.200.0 to Ch.90.0 Rm 1 40 40 Ch.200.0 to Ch.90.0 Rm 1 470 470 Ch.200.0 to Ch.90.0 Rm 1 470 270		Ch.280.0 to Ch.288.00	Rm	1	8			8
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RHS <td></td> <td>RHS-Ch.50.00 to Ch.75.00-Parking</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		RHS-Ch.50.00 to Ch.75.00-Parking						
Ch 165.00 to Ch 190.0 Rm 1 20 20 Parking Rm 1 18 18 18 LHS Rm 1 40 40 40 Parking Rm 1 30 30 Road No-4-G.H.S. Cross Road Rm 1 30 30 Road No-4-G.H.S. Cross Road Rm 1 15 15 Ch.50.010 Ch.50.0 Rm 1 40 40 Ch.50.010 Ch.50.0 Rm 1 40 40 Rus Rus 1 15 15 LHS Road No.5-Vithobs Temple Road Rm 1 197 197 Ch.200.0 Ch.280.0 Rm 1 197 197 197 Ch.200.0 Ch.240.0 Rm 0 0 0 0 Ch.200.0 Ch.240.0 Rm 1 107 197 Ch.200.0 Ch.240.0 Rm 0 0 0 0 Ch.200.0 Ch.440.0 Rm								
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Ch. 455.00 to Ch. 199.0 Rm 1 40 460 Parking Rm 1 30 30 Road No. 4-G. H.S. Cross Road			Rm	1	18			18
Read No.4-G.H.S. Cross Read m<			Rm	1	40			40
HS m 1 15 15 LHS 1 <td></td> <td>Parking</td> <td>Rm</td> <td>1</td> <td>30</td> <td></td> <td></td> <td>30</td>		Parking	Rm	1	30			30
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Rad No.5-Vithoba Temple Road LHS			RM	1	15			15
LHS m 1 197 197 Ch.200.0 to Ch.320.0 Rm 1 197 197 Ch.200.0 to Ch.320.0 Rm 1 270 270 Ch.200.0 to Ch.400.0 Rm 0 0 0 RHS Rm 0 0 0 0 Ch.30.0 to Ch.410.0 Rm 1 470 470 Ch.30.0 to Ch.410.0 Rm 0 0 0 0 Road No.8-Maidan 3rd Cross Road Rm 1 30.6 30.6 Road No.9-Bibl Alabi Road Rm 1 40 40 Ch.20.0 to Ch.20.0 Rm 1 40 40 Ch.20.0 to Ch.20.0 Rm 1 40 40 Ch.20.0 to Ch.20.0 Rm 1 50 50 Road No.9-Bibl Alabi-Kandak Road Rm 1 50 50 RhS Rm 1 26 26 26 Ch.12.0 to Ch.38.0 Rm 1 20		Ch.50.0 to Ch.90.0	Rm	1	40			40
Ch.200.0 to Ch.280.0 Rm 1 197 197 Ch.280.0 to Ch.320.0 Rm 1 270 270 Ch.370.0 to Ch.440.0 Rm 0 0 0 Ch.0.0 to Ch.400.0 Rm 1 470 0 Ch.0.0 to Ch.20.00 Rm 1 470 470 Ch.380.0 to Ch.410.0 Rm 0 0 0 Road No.8-Maidan 3rd Cross Road Rm 1 30.6 33.6 Parking Rm 1 30.6 33.6 Ch.220.0 to Ch.280.0 Rm 1 40 40 Ch.220.0 to Ch.280.0 Rm 1 35 335 Ch.220.0 to Ch.280.0 Rm 1 50 535 Ch.220.0 to Ch.280.0 Rm 1 50 535 Ch.265.0 to Ch.300.0 Rm 1 26 26 Ch.220.0 to Ch.280.0 Rm 1 20 20 Ch.120.to Ch.280.0 Rm 1 20 20		Road No.5-Vithoba Temple Road						
Ch.280.0 to Ch.320.0 Rm 1 270 Ch.370.0 to Ch.440.0 Rm 0 0 0 RHS Rm 1 470 470 Ch.0.0 to Ch.20.00 Rm 1 470 470 Ch.380.0 to Ch.410.0 Rm 0 0 0 0 Road No.9-Maidan 3rd Cross Road Rm 1 30.6 30.6 Road No.9-Bibl Alabi Road Rm 1 30.6 30.6 Ch.220.0 to Ch.280.0 Rm 1 30.6 30.6 Ch.320.0 to Ch.300.0 Rm 1 40 40 Ch.250.0 to Ch.300.0 Rm 1 35 35 Ch.320.0 to Ch.300.0 Rm 1 20 50 Road No.10-Bibl Alabi-Kandak Road Rm 1 20 26 LHS Rm 1 20 20 26 LHS Rm 1 20 20 20 Ch.12.0 to Ch.38.0 Rm 1 20			Der	4	407			407
Ch.370.0 to Ch.440.0 Rm 0 0 0 RHS 470 470 Ch.0.10 Ch.20.00 Rm 1 470 470 Ch.380.0 to Ch.410.0 Rm 0 0 0 Road No.3-Maidan 3rd Cross Road Parking Rm 1 30.6 30.6 Road No.3-Bibi Alabi Road Ch.220.0 to Ch.260.0 Rm 1 40 40 Ch.250.0 to Ch.300.0 Rm 1 35 35 Ch.350.0 to Ch.300.0 Rm 1 50 50 Road No.10-Bibi Alabi-Kandak Road Rm 1 26 26 Rh5 Rm 1 20 20 20 Ch.12.0 to Ch.38.0 Rm 1 20 20 20 Ch.168.0 to Ch.188.0 Rm 1 20 20 20 20 20 20 20 20 <					-			
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Parking Rm 1 30.6 30.6 Road No.9-Bibi Alabi Road 30.6 30.6 30.6		Road No.8-Maidan 3rd Cross Road						
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Ch.220.0 to Ch.280.0 Rm 1 40 40 Ch.265.0 to Ch.300.0 Rm 1 35 35 Ch.345.0 to Ch.400.0 Rm 1 50 50 Read No.10-Bibi Alabi-Kandak Road Rm 1 50 50 Read No.10-Bibi Alabi-Kandak Road Rm 1 26 26 RHS Rm 1 26 26 Ch.12.0 to Ch.38.0 Rm 1 20 20 Ch.180.0 to Ch.188.0 Rm 1 20 20 Ch.240.0 to Ch.300.0 Rm 1 30 30 Ch.300.00 to Ch.302.0 Rm 1 20 20 Ch.400.0 to Ch.425.0 Rm 1 20 20 Road No.11-Maidan 4th Cross Road-Extn Mm 1 25 25 Road No.11-Maidan 4th Cross Road-Extn Mm 1 46.8 46.8 Parking-RHS Rm 1 46.8 46.8 Parking-RHS Rm 1 60		Road No.9-Bibi Alabi Road						
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Road No.10-Bibi Alabi-Kandak Road Image: Constraint of the system of the s								
RHS Rm 1 26 26 LHS Rm 1 26 26 Ch.168.0 to Ch.188.0 Rm 1 20 20 Ch.240.0 to Ch.280.0 Rm 1 20 20 Ch.270.0 to Ch.300.0 Rm 1 30 30 Ch.300.00 to Ch.320.0 Rm 1 20 20 Ch.400.0 to Ch.425.0 Rm 1 20 20 Ch.400.0 to Ch.425.0 Rm 1 25 25 Road No.11-Maidan 4th Cross Road-Extn LHS Ch.0.0 to Ch.28.00 Rm 1 46.8 46.8 Parking-HS Rm 1 46.8 46.8 Parking-RHS Rm 1 53.2 53.2 Ch.0.0 to Ch.30.0 Rm 1 53.2 53.2 Ch.0.0 to Ch.90.0 Rm 1 90 90 Ch.0.0 to Ch.90.0								
Ch.12.0 to Ch.38.0 Rm 1 26 26 LHS Rm 1 20 20 Ch.168.0 to Ch.188.0 Rm 1 20 20 Ch.240.0 to Ch.260.0 Rm 1 20 20 Ch.270.0 to Ch.300.0 Rm 1 20 20 Ch.300.00 to Ch.320.0 Rm 1 20 20 Ch.400.0 to Ch.425.0 Rm 1 20 20 Road No.11-Maidan 4th Cross Road-Extn 20 Ch.0.0 to Ch.28.00 Rm 1 46.8 46.8 Parking-LHS Rm 1 60 60 Parking-RHS Rm 1 60 60 Parking-RHS Rm 1 53.2 53.2 Ch.0.0 to Ch.90.0 Rm 1 90 90 Ch.0.0 to Ch.30.0 Rm 1 90 90 Ch.0.0 to Ch.90.0 Rm 1 90 90 Ch.9.0 to Ch.30.0 Rm 1 20 20 Ch.0.0 to Ch.30.0 Rm <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
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Ch.240.0 to Ch.260.0 Rm 1 20 20 Ch.270.0 to Ch.300.0 Rm 1 30 30 Ch.300.00 to Ch.320.0 Rm 1 20 20 Ch.400.0 to Ch.425.0 Rm 1 25 25 Road No.11-Maidan 4th Cross Road-Extn LHS Parking-LHS Rm 1 46.8 46.8 Parking-RHS Rm 1 60 60 Parking-RHS Rm 1 53.2 53.2 Ch.0.0 to Ch.90.0 Rm 1 53.2 53.2 Ch.0.0 to Ch.90.0 Rm 1 60 60 Parking-RHS Rm 1 60 60 Parking-RHS Rm 1 53.2 53.2 Ch.0.0 to Ch.90.0 Rm 1 90 90 Ch.0.0 to Ch.90.0 Rm 1 90 90 Ch.20.0 to Ch.130.0 Rm 1 40 40			Rm	1	20			20
Ch.300.00 to Ch.320.0 Rm 1 20 20 Ch.400.0 to Ch.425.0 Rm 1 25 25 Road No.11-Maidan 4th Cross Road-Extn LHS Ch.0.0 to Ch.28.00 Rm 1 46.8 46.8 Parking-LHS Rm 1 60 60 Parking-RHS Rm 1 53.2 53.2 Ch.0.0 to Ch.90.0 Rm 1 53.2 53.2 Ch.0.0 to Ch.90.0 Rm 1 90 90 Ch.0.0 to Ch.90.0 Rm 1 40 40 Ch.28.00 Rm 1 20 20 Parking-RHS Rm 1 50 53.2 Ch.0.0 to Ch.90.0 Rm 1 53.2 53.2 Ch.0.0 to Ch.90.0 Rm 1 90 90 Ch.0.0 to Ch.90.0 Rm 1 90 90 Ch.20.0 to Ch.230.0 Rm 1 40 40 Ch.20.		Ch.240.0 to Ch.260.0	Rm	1	20			20
Ch.400.0 to Ch.425.0 Rm 1 25 25 Road No.11-Maidan 4th Cross Road-Extn Image: Ch.00 to Ch.28.00 Rm Image: Ch.00 to Ch.28.00 Rm Image: Ch.00 to Ch.28.00 Rm 1 46.8 46.8 Parking-LHS Rm 1 46.8 46.8 46.8 Parking-RHS Rm 1 60 60 Parking-RHS Rm 1 53.2 53.2 Image: Ch.00 to Ch.30.0 Rm 1 53.2 53.2 Image: Ch.00 to Ch.30.0 Rm 1 90 90 Ch.00 to Ch.30.0 Rm 1 90 90 Ch.20.0 to Ch.220.0 Rm 1 40 40 Ch.230.0 to Ch.235.0 Rm 1 5 5								
LHS Rm Image: Chi and the second								
LHS Rm Image: Chi and the second		Road No.11-Maidan 4th Cross Road-Extn						
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Parking-RHS Rm 1 60 60 Parking-RHS Rm 1 53.2 53.2 Road No.13-J.M 1st Cross Road Image: Character of the state of the stat				1	46.8			46.8
Road No.13-J.M 1st Cross Road Image: Constraint of the second secon		Parking-RHS	Rm	1	60			60
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Ch.0.0 to Ch.90.0 Rm 1 90 90 Ch.95.0 to Ch.130.0 Rm 1 40 40 Ch.200.0 to Ch.220.0 Rm 1 20 20 Ch.230.0 to Ch.235.0 Rm 1 5 5								
Ch.95.0 to Ch.130.0 Rm 1 40 40 Ch.200.0 to Ch.220.0 Rm 1 20 20 Ch.230.0 to Ch.235.0 Rm 1 5 5			Rm	1	00			00
Ch.230.0 to Ch.235.0 Rm 1 5 5		Ch.95.0 to Ch.130.0	Rm	1	40			40
			K IĤ		5			5

C. No.	Description	11	Nala		D	1 11	0411
Sr. No.	Description Ch.0.0 to Ch.130.0	Unit Rm	No's	L 130	В	н	Qty. 130
	Ch.200.0 to Ch.240.0	Rm	1	40			40
		TXIII					
	Road No.15-Mission Street Road						
	LHS						
	Ch.20.0 to Ch.90.0	Rm	1	70			70
	Ch.120.0 to Ch.190.0	Rm	1	70			70
	RHS						
	Ch.130.0 to Ch.180.0	Rm	1	50			50
	Consider @40m C/C distance of MUL Course	Nee					2162.80
	Consider @10m C/C distance of M.H.Cover	Nos.					216.00
	Raising manhole cover and frame to the reqiured road top level including the removing		-				
35	existing cover and raising of MH top wall in RCC M25 and refixing the same cover in proper position with all finish, including cost of all materials, labour, etc. complete.						
	Total Length of Road	Nos.	1	107			10
36	KSRRB M300- Wrought iron and mild steel welded work KSRRB M300-18. Wrought iron and mild steel welded work (using angles, square bars, tees and channel grills, gratings with grating frames, gates and tree guards of any size and design etc. including cost of screens and welding rods or bolts and nuts complete fixed in position but without the cost of excavation and concrete for fixing which will be paid separately complete as per specifications.(KPWD,18-19,SI.No.19.97)						
	Flush Footpath with Carriageway						
	Road No.1-GHS Road					+	
	RHS Ch.260.00 to Ch.270.00	Rm	1	18		1	18
	LHS	INIII	1	10			
	Ch.280.0 to Ch.288.00	Rm	1	8		1	8
	Road No.2-P.M.Rao Road		· ·			1	Ì
	LHS-Ch.10.00 to Ch.50.00-Parking	Rm	1	36.2			36.2
	RHS-Ch.50.00 to Ch.75.00-Parking	Rm	1	29			29
	Road No.3-Sharavu Temple Road						
	RHS						
	Ch.165.00 to Ch.190.0	Rm	1	20			20
	Parking	Rm	1	18			1
	LHS		· .	10			
	Ch.165.00 to Ch.190.0	Rm	1	40			40
	Parking	Rm	1	30			30
	Dead No. 4 C. H.S. Cross Dead						
	Road No.4-G.H.S. Cross Road RHS						
	Ch.35.00 to Ch.50.0	Rm	1	15			1:
	LHS	RIII	1	15			1:
	Ch.50.0 to Ch.90.0	Rm	1	40			40
	Road No.5-Vithoba Temple Road						
	LHS						
	Ch.200.0 to Ch.280.0	Rm	1	197			19
	Ch.280.0 to Ch.320.0	Rm	1	270			270
	Ch.370.0 to Ch.440.0	Rm	0	0			(
	RHS						
	Ch.0.0 to Ch.20.00	Rm	1	470			470
	Ch.380.0 to Ch.410.0	Rm	0	0			(
			-				-
	Road No.8-Maidan 3rd Cross Road	Dee	4	20.0			20.4
	Parking	Rm	1	30.6		1	30.
	Road No.9-Bibi Alabi Road					1	<u> </u>
	Ch.220.0 to Ch.260.0	Rm	1	40		1	4
	Ch.265.0 to Ch.300.0	Rm	1	35		1	35
	Ch.345.0 to Ch.400.0	Rm	1	50		1	50
		1.511	<u>'</u>			1	1
	Road No.10-Bibi Alabi-Kandak Road					L	
	RHS						
	Ch.12.0 to Ch.38.0	Rm	1	26		<u> </u>	20
		L				 	ļ
	Ch.168.0 to Ch.188.0	Rm	1	20		l	20
	Ch.240.0 to Ch.260.0	Rm	1	20		1	20
	Ch.270.0 to Ch.300.0	Rm	1			1	30
	Ch.300.00 to Ch.320.0 Ch.400.0 to Ch.425.0	Rm	1	20 25			2
		Rm	1	25		1	2
	Road No.11-Maidan 4th Cross Road-Extn					1	
	LHS		1			1	ł
	Ch.0.0 to Ch.28.00	Rm	0	0		1	
	Parking-LHS	Rm	1	46.8		1	46.
	Parking-RHS	Rm	1	40.0		1	40.
	Parking-RHS	Rm	1	53.2		1	53.
	м - ⁻		1			1	
	Road No.13-J.M 1st Cross Road		1			1	
			1	i i		1	
	LHS						
	LHS Ch.0.0 to Ch.90.0	Rm	1	90			9
		Rm Rm	1				9 4

Sr. No.	Description	Unit	No's	L	В	Н	Qty.
	Ch.230.0 to Ch.235.0 RHS	Rm	1	5			5
	Ch.0.0 to Ch.130.0	Rm	1	130			130
	Ch.200.0 to Ch.240.0	Rm	1	40			40
	Road No.15-Mission Street Road LHS		-				
	Ch.20.0 to Ch.90.0	Rm	1	70			70
	Ch.120.0 to Ch.190.0	Rm	1	70			70
	RHS	D		50			50
	Ch.130.0 to Ch.180.0	Rm	1	50			50
	Total No. Of Gratings	Nos.					216.28
		Nos.			Total Qty	-	
	Grating		Nos. 216.28	Kg/No. 150	Kg 32442		Quintal 324.42
	Grading		210.20	150	52442		324.42
37	KSRB 12-8.2 : Constructing brick masonry inspection chamber 500x700mm , and 450mm depth , (clear inside dimension) for pipeline with one or two inlets, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover with frame (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal , foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finished smooth with a floating coat of cement on walls and bed concrete complete as per specifications. Specification No. KBS (P.No. 74/ I.No.11.52 of PWD SR 2018-19)						
1	Water Pipe and OFC Pipe GHS Road	Nos.	9				9.00
2	P.M.Rao Road	Nos.	5				5.00
3	Sharavu Temple Road	Nos.	5				5.00
4 5	GHS Cross Road Vithoba Temple Road	Nos.	5				5.00
5 6	Maidan 1st Cross Road	Nos. Nos.	3				6.00 3.00
7	Maidan 3rd Cross Road	Nos.	5				5.00
	Bibi Alabi Road	Nos.	10				10.00
	Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn.	Nos. Nos.	11 5				11.00
10		Nos.	4				5.00 4.00
	J.W. ISE Gross Road	INOS.					
11	J.M.1st Cross Road Mission Street Road-Extn.	Nos.	5				5.00
11	Mission Street Road-Extn.	Nos.					73.00
11	Mission Street Road-Extn. Consider 10% qty of Total						
11 12	Mission Street Road-Extn. Consider 10% qty of Total Providing gully pipe lowering,laying of PVC 100 mm dia pipes to the required alignments including specials and grade as indicated in drawings/design and hydraulically testing of the pipe line.The rate shall include all jointing materials,testing apparatus and water for testi g etc as directed by the Engineer in charge (page No.41,Item No.7,KUWSDB SOR 2016-17)	Nos.					73.00
11 12	Mission Street Road-Extn. Consider 10% qty of Total Providing gully pipe lowering,laying of PVC 100 mm dia pipes to the required alignments including specials and grade as indicated in drawings/design and hydraulically testing of the pipe line.The rate shall include all jointing materials,testing apparatus and water for testi g etc as directed by the Engineer in charge (page	Nos.					73.00
11 12	Mission Street Road-Extn. Consider 10% qty of Total Providing gully pipe lowering,laying of PVC 100 mm dia pipes to the required alignments including specials and grade as indicated in drawings/design and hydraulically testing of the pipe line.The rate shall include all jointing materials,testing apparatus and water for testi g etc as directed by the Engineer in charge (page No.41,Item No.7,KUWSDB SOR 2016-17) Footpath Road No.1-GHS Road LHS	Nos.	5				73.00 8
11 12	Mission Street Road-Extn. Consider 10% qty of Total Providing gully pipe lowering,laying of PVC 100 mm dia pipes to the required alignments including specials and grade as indicated in drawings/design and hydraulically testing of the pipe line.The rate shall include all jointing materials,testing apparatus and water for testi g etc as directed by the Engineer in charge (page No.41,Item No.7,KUWSDB SOR 2016-17) Footpath Road No.1-GHS Road LHS Ch.0.0 to Ch.95.00	Nos. Nos.	5	95			73.00 8
11 12	Mission Street Road-Extn. Consider 10% qty of Total Providing gully pipe lowering,laying of PVC 100 mm dia pipes to the required alignments including specials and grade as indicated in drawings/design and hydraulically testing of the pipe line.The rate shall include all jointing materials,testing apparatus and water for testi g etc as directed by the Engineer in charge (page No.41,Item No.7,KUWSDB SOR 2016-17) Footpath Road No.1-GHS Road LHS	Nos.	5	95 160 100			73.00 8 95 160
11 12	Mission Street Road-Extn. Consider 10% qty of Total Providing gully pipe lowering,laying of PVC 100 mm dia pipes to the required alignments including specials and grade as indicated in drawings/design and hydraulically testing of the pipe line. The rate shall include all jointing materials,testing apparatus and water for testi g etc as directed by the Engineer in charge (page No.41,Item No.7,KUWSDB SOR 2016-17) Footpath Road No.1-GHS Road LHS Ch.0.0 to Ch.95.00 Ch.100.0 to Ch.260.00 Ch.270.0 to Ch.370.00 RHS	Nos. Nos. Rm Rm Rm Rm	5 	160 100			73.00 8 95 160 100
11 12	Mission Street Road-Extn. Consider 10% qty of Total Providing gully pipe lowering,laying of PVC 100 mm dia pipes to the required alignments including specials and grade as indicated in drawings/design and hydraulically testing of the pipe line.The rate shall include all jointing materials,testing apparatus and water for testi g etc as directed by the Engineer in charge (page No.41,Item No.7,KUWSDB SOR 2016-17) Footpath Road No.1-GHS Road LHS Ch.0.0 to Ch.95.00 Ch.270.0 to Ch.370.00 RHS Ch.0.0 to Ch.140.00	Nos. Nos. Rm Rm Rm Rm Rm	5 	160 100 140			73.00 8 95 160 100 140
11 12	Mission Street Road-Extn. Consider 10% qty of Total Providing gully pipe lowering,laying of PVC 100 mm dia pipes to the required alignments including specials and grade as indicated in drawings/design and hydraulically testing of the pipe line. The rate shall include all jointing materials,testing apparatus and water for testi g etc as directed by the Engineer in charge (page No.41,Item No.7,KUWSDB SOR 2016-17) Footpath Road No.1-GHS Road LHS Ch.0.0 to Ch.95.00 Ch.100.0 to Ch.260.00 Ch.270.0 to Ch.370.00 RHS	Nos. Nos. Rm Rm Rm Rm	5 	160 100			73.00 8 95 160 100
11 12	Mission Street Road-Extn. Consider 10% qty of Total Providing gully pipe lowering,laying of PVC 100 mm dia pipes to the required alignments including specials and grade as indicated in drawings/design and hydraulically testing of the pipe line.The rate shall include all jointing materials,testing apparatus and water for testi g etc as directed by the Engineer in charge (page No.41,Item No.7,KUWSDB SOR 2016-17) Footpath Road No.1-GHS Road LHS Ch.0.0 to Ch.95.00 Ch.100.0 to Ch.260.00 Ch.270.0 to Ch.370.00 RHS Ch.0.0 to Ch.140.00 Ch.150.0 to Ch.280.0 Ch.290.0 to Ch.390.0	Nos. Nos. Rm Rm Rm Rm Rm Rm Rm	5 	160 100 140 130			73.00 8 95 160 100
11 12	Mission Street Road-Extn. Consider 10% qty of Total Providing gully pipe lowering,laying of PVC 100 mm dia pipes to the required alignments including specials and grade as indicated in drawings/design and hydraulically testing of the pipe line. The rate shall include all jointing materials,testing apparatus and water for testi g etc as directed by the Engineer in charge (page No.41,Item No.7,KUWSDB SOR 2016-17) Footpath Road No.1-GHS Road LHS Ch.0.0 to Ch.95.00 Ch.100.0 to Ch.260.00 Ch.270.0 to Ch.370.00 RHS Ch.0.0 to Ch.140.00 Ch.150.0 to Ch.280.0 Ch.290.0 to Ch.390.0 ROAD NO.2-P.M.Rao Road	Nos. Nos. Rm Rm Rm Rm Rm Rm Rm	5 	160 100 140 130			73.00 8 95 160 100
11 12	Mission Street Road-Extn. Consider 10% qty of Total Providing gully pipe lowering,laying of PVC 100 mm dia pipes to the required alignments including specials and grade as indicated in drawings/design and hydraulically testing of the pipe line.The rate shall include all jointing materials,testing apparatus and water for testi g etc as directed by the Engineer in charge (page No.41,Item No.7,KUWSDB SOR 2016-17) Footpath Road No.1-GHS Road LHS Ch.0.0 to Ch.95.00 Ch.100.0 to Ch.260.00 Ch.270.0 to Ch.370.00 RHS Ch.0.0 to Ch.140.00 Ch.150.0 to Ch.280.0 Ch.290.0 to Ch.390.0	Nos. Nos. Rm Rm Rm Rm Rm Rm Rm	5 	160 100 140 130			73.00 8 95 160 100 140 130 100
11 12	Mission Street Road-Extn. Consider 10% qty of Total Providing gully pipe lowering,laying of PVC 100 mm dia pipes to the required alignments including specials and grade as indicated in drawings/design and hydraulically testing of the pipe line.The rate shall include all jointing materials,testing apparatus and water for testi g etc as directed by the Engineer in charge (page No.41,Item No.7,KUWSDB SOR 2016-17) Footpath Road No.1-GHS Road LHS Ch.0.0 to Ch.95.00 Ch.100.0 to Ch.960.00 Ch.270.0 to Ch.370.00 RHS Ch.0.0 to Ch.140.00 Ch.150.0 to Ch.280.0 Ch.290.0 to Ch.390.0 Road No.2-P.M.Rao Road LHS Ch.00.0 to Ch.170.0 RHS	Nos. Nos. Rm Rm Rm Rm Rm Rm Rm Rm Rm	5 	160 100 140 130 100 100 170			73.00 8 95 160 100 140 130 100 170
11 12	Mission Street Road-Extn. Consider 10% qty of Total Providing gully pipe lowering,laying of PVC 100 mm dia pipes to the required alignments including specials and grade as indicated in drawings/design and hydraulically testing of the pipe line. The rate shall include all jointing materials,testing apparatus and water for testi g etc as directed by the Engineer in charge (page No.41,Item No.7,KUWSDB SOR 2016-17) Footpath Road No.1-GHS Road LHS Ch.00 to Ch.95.00 Ch.100.0 to Ch.260.00 Ch.270.0 to Ch.370.00 RHS Ch.0.0 to Ch.140.00 Ch.150.0 to Ch.140.00 Ch.150.0 to Ch.280.0 Ch.290.0 to Ch.390.0 Road No.2-P.M.Rao Road LHS Ch.00.0 to Ch.170.0	Nos. Nos. Rm Rm Rm Rm Rm Rm Rm	5 	160 100 140 130 100			73.00 8 95 160 100 140 130 100 170
11 12	Mission Street Road-Extn. Consider 10% qty of Total Providing gully pipe lowering,laying of PVC 100 mm dia pipes to the required alignments including specials and grade as indicated in drawings/design and hydraulically testing of the pipe line.The rate shall include all jointing materials,testing apparatus and water for testi g etc as directed by the Engineer in charge (page No.41,Item No.7,KUWSDB SOR 2016-17) Footpath Road No.1-GHS Road LHS Ch.0.0 to Ch.95.00 Ch.100.0 to Ch.960.00 Ch.270.0 to Ch.370.00 RHS Ch.0.0 to Ch.140.00 Ch.150.0 to Ch.280.0 Ch.290.0 to Ch.390.0 Road No.2-P.M.Rao Road LHS Ch.00.0 to Ch.170.0 RHS	Nos. Nos. Rm Rm Rm Rm Rm Rm Rm Rm Rm	5 	160 100 140 130 100 100 170			73.00
11 12	Mission Street Road-Extn. Consider 10% qty of Total Providing gully pipe lowering,laying of PVC 100 mm dia pipes to the required alignments including specials and grade as indicated in drawings/design and hydraulically testing of the pipe line. The rate shall include all jointing materials,testing apparatus and water for testi g etc as directed by the Engineer in charge (page No.41,Item No.7,KUWSDB SOR 2016-17) Footpath Road No.1-GHS Road LHS Ch.0.0 to Ch.95.00 Ch.100.0 to Ch.260.00 Ch.270.0 to Ch.370.00 RHS Ch.0.0 to Ch.140.00 Ch.150.0 to Ch.280.0 Ch.290.0 to Ch.390.0 Road No.2-P.M.Rao Road LHS Ch.00.0 to Ch.170.0 RHS Ch.00.0 to Ch.170.0 RHS Ch.00.0 to Ch.170.0	Nos. Nos. Rm Rm Rm Rm Rm Rm Rm Rm Rm Rm Rm	5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	160 100 140 130 100 170 170			73.00 8 95 160 100 140 130 100 170 170
11 12	Mission Street Road-Extn. Consider 10% qty of Total Providing gully pipe lowering,laying of PVC 100 mm dia pipes to the required alignments including specials and grade as indicated in drawings/design and hydraulically testing of the pipe line. The rate shall include all jointing materials,testing apparatus and water for testi g etc as directed by the Engineer in charge (page No.41,Item No.7,KUWSDB SOR 2016-17) Footpath Road No.1-GHS Road LHS Ch.0.0 to Ch.95.00 Ch.100.0 to Ch.260.00 Ch.100.0 to Ch.260.00 Ch.270.0 to Ch.370.00 RHS Ch.0.0 to Ch.140.00 Ch.280.0 Ch.290.0 to Ch.390.0 Road No.2-P.M.Rao Road LHS Ch.00.0 to Ch.170.0 RHS Ch.00.0 to Ch.170.0 RHS Ch.00.0 to Ch.170.0	Nos. Nos. Rm Rm Rm Rm Rm Rm Rm Rm Rm	5 	160 100 140 130 100 100 170			73.00 8 95 160 100 140 130 100 170 170
11 12	Mission Street Road-Extn. Consider 10% qty of Total Providing gully pipe lowering,laying of PVC 100 mm dia pipes to the required alignments including specials and grade as indicated in drawings/design and hydraulically testing of the pipe line.The rate shall include all jointing materials,testing apparatus and water for testi g etc as directed by the Engineer in charge (page No.41,Item No.7,KUWSDB SOR 2016-17) Footpath Road No.1-GHS Road LHS Ch.0.0 to Ch.95.00 Ch.100.0 to Ch.95.00 Ch.100.0 to Ch.260.00 Ch.270.0 to Ch.370.00 RHS Ch.0.0 to Ch.140.00 Ch.150.0 to Ch.280.0 Ch.290.0 to Ch.390.0 Road No.2-P.M.Rao Road LHS Ch.00.0 to Ch.170.0 RHS Ch.00.0 to Ch.170.0 RHS Ch.00.0 to Ch.170.0 RHS Ch.00.0 to Ch.170.0 RHS Ch.0.0 to Ch.170.0 RHS Ch.0.0 to Ch.170.0 RHS Ch.0.0 to Ch.170.0 RHS Ch.0.0 to Ch.170.0 RHS Ch.0.0 to Ch.170.0	Nos. Nos. Rm Rm Rm Rm Rm Rm Rm Rm Rm Rm Rm	5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	160 100 140 130 100 170 170 170 170 50			73.00 8 95 160 100 140 130 100 170 170 170 50
11 12	Mission Street Road-Extn. Consider 10% qty of Total Providing gully pipe lowering,laying of PVC 100 mm dia pipes to the required alignments including specials and grade as indicated in drawings/design and hydraulically testing of the pipe line.The rate shall include all jointing materials,testing apparatus and water for testi g etc as directed by the Engineer in charge (page No.41,Item No.7,KUWSDB SOR 2016-17) Footpath Road No.1-GHS Road LHS Ch.0.0 to Ch.95.00 Ch.100.0 to Ch.95.00 Ch.270.0 to Ch.370.00 RHS Ch.0.0 to Ch.140.00 Ch.150.0 to Ch.140.00 Ch.150.0 to Ch.140.00 Ch.290.0 to Ch.390.0 Road No.2-P.M.Rao Road LHS Ch.00.0 to Ch.170.0 RHS Ch.00.0 to Ch.170.0 RHS Ch.00.0 to Ch.170.0 RHS Ch.0.0 to Ch.170.0 RHS	Nos. Nos. Nos. Rm Rm Rm Rm Rm Rm Rm Rm Rm Rm Rm Rm Rm	5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	160 100 140 130 100 170 170 170 170 50 35			73.00 8 95 160 100 140 130 100 170 170 170 50 35
11 12	Mission Street Road-Extn. Consider 10% qty of Total Providing gully pipe lowering,laying of PVC 100 mm dia pipes to the required alignments including specials and grade as indicated in drawings/design and hydraulically testing of the pipe line.The rate shall include all jointing materials,testing apparatus and water for testi g etc as directed by the Engineer in charge (page No.41,Item No.7,KUWSDB SOR 2016-17) Footpath Road No.1-GHS Road LHS Ch.0.0 to Ch.95.00 Ch.100.0 to Ch.95.00 Ch.100.0 to Ch.260.00 Ch.270.0 to Ch.370.00 RHS Ch.0.0 to Ch.140.00 Ch.150.0 to Ch.280.0 Ch.290.0 to Ch.390.0 Road No.2-P.M.Rao Road LHS Ch.00.0 to Ch.170.0 RHS Ch.00.0 to Ch.170.0 RHS Ch.00.0 to Ch.170.0 RHS Ch.00.0 to Ch.170.0 RHS Ch.0.0 to Ch.170.0 RHS Ch.0.0 to Ch.170.0 RHS Ch.0.0 to Ch.170.0 RHS Ch.0.0 to Ch.170.0 RHS Ch.0.0 to Ch.170.0	Nos. Nos. Nos. Rm Rm Rm Rm Rm Rm Rm Rm Rm Rm Rm Rm	5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	160 100 140 130 100 170 170 170 170 50			73.00 8 95 160 100 140 130 100 170 170 170 50 35
11 12	Mission Street Road-Extn. Consider 10% qty of Total Providing gully pipe lowering,laying of PVC 100 mm dia pipes to the required alignments including specials and grade as indicated in drawings/design and hydraulically testing of the pipe line.The rate shall include all jointing materials,testing apparatus and water for testi g etc as directed by the Engineer in charge (page No.41,Item No.7,KUWSDB SOR 2016-17) Footpath Road No.1-GHS Road LHS Ch.0.0 to Ch.95.00 Ch.100.0 to Ch.95.00 Ch.100.0 to Ch.960.00 Ch.270.0 to Ch.370.00 RHS Ch.0.0 to Ch.140.00 Ch.150.0 to Ch.140.00 Ch.150.0 to Ch.280.0 Ch.290.0 to Ch.390.0 Road No.2-P.M.Rao Road LHS Ch.00.0 to Ch.170.0 RHS Ch.00.0 to Ch.170.0 RHS Ch.00.0 to Ch.170.0 RHS Ch.0.0 to Ch.170.0 RHS Ch.0.0 to Ch.170.0 RHS Ch.0.0 to Ch.142.0 Road No.4-Sharavu Temple Road LHS Ch.0.0 to Ch.142.0	Nos. Nos. Nos. Rm Rm Rm Rm Rm Rm Rm Rm Rm Rm Rm Rm Rm	5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	160 100 140 130 100 170 170 170 170 50 35			73.00 8 95 160 100 140 130 100 170 170 170 50 35
11 12	Mission Street Road-Extn. Consider 10% qty of Total Providing gully pipe lowering,laying of PVC 100 mm dia pipes to the required alignments including specials and grade as indicated in drawings/design and hydraulically testing of the pipe line. The rate shall include all jointing materials,testing apparatus and water for testi g etc as directed by the Engineer in charge (page No.41,Item No.7,KUWSDB SOR 2016-17) Footpath Road No.1-GHS Road LHS Ch.0.0 to Ch.95.00 Ch.100.0 to Ch.95.00 Ch.100.0 to Ch.95.00 Ch.270.0 to Ch.370.00 RHS Ch.0.0 to Ch.140.00 Ch.150.0 to Ch.140.00 Ch.290.0 to Ch.390.0 Road No.2-P.M.Rao Road LHS Ch.00.0 to Ch.170.0 RHS Ch.00.0 to Ch.170.0 RHS Ch.00.0 to Ch.170.0 RHS Ch.0.0 to Ch.142.0 Road No.4-Sharavu Temple Road LHS	Nos. Nos. Rm Rm Rm Rm Rm Rm Rm Rm Rm Rm Rm Rm Rm	5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	160 100 140 130 100 170 170 170 50 352 42			73.00 8 95 160 100 140 130 100 170 170 170 170 50 35 42
11 12	Mission Street Road-Extn. Consider 10% qty of Total Providing gully pipe lowering,laying of PVC 100 mm dia pipes to the required alignments including specials and grade as indicated in drawings/design and hydraulically testing of the pipe line.The rate shall include all jointing materials,testing apparatus and water for testi g etc as directed by the Engineer in charge (page No.41,Item No.7,KUWSDB SOR 2016-17) Footpath Road No.1-GHS Road LHS Ch.0.0 to Ch.95.00 Ch.100.0 to Ch.260.00 Ch.270.0 to Ch.370.00 RHS Ch.0.0 to Ch.140.00 Ch.150.0 to Ch.280.0 Ch.290.0 to Ch.390.0 Road No.2-P.M.Rao Road LHS Ch.00.0 to Ch.170.0 RHS Ch.00.0 to Ch.170.0 RHS Ch.00.0 to Ch.170.0 RHS Ch.00.0 to Ch.170.0 RHS Ch.00.0 to Ch.170.0 Ch.250.0 Ch.100.0 to Ch.170.0 RHS Ch.0.0 to Ch.170.0 RHS Ch.0.0 to Ch.170.0 RHS Ch.0.0 to Ch.170.0 Ch.250.0 Ch.100.0 to Ch.170.0 Ch.250.0 Ch.250.0 Ch.250.0 Ch.250.0 Ch.250.0 Ch.250.0 Ch.250.0 Ch.250.0 Ch.250.0 Ch.00.0 to Ch.142.0	Nos. Nos. Nos. Rm Rm Rm Rm Rm Rm Rm Rm Rm Rm Rm Rm Rm	5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	160 100 140 130 100 170 170 170 50 355 42 50			73.00 8 95 160 100 140 130 100 170 170 170 50 35 42 42 50
11 12	Mission Street Road-Extn. Consider 10% qty of Total Providing gully pipe lowering,laying of PVC 100 mm dia pipes to the required alignments including specials and grade as indicated in drawings/design and hydraulically testing of the pipe line. The rate shall include all jointing materials,testing apparatus and water for testi g etc as directed by the Engineer in charge (page No.41,Item No.7,KUWSDB SOR 2016-17) Footpath Road No.1-GHS Road LHS Ch.0.0 to Ch.95.00 Ch.100.0 to Ch.95.00 Ch.100.0 to Ch.95.00 Ch.270.0 to Ch.370.00 RHS Ch.0.0 to Ch.140.00 Ch.150.0 to Ch.140.00 Ch.290.0 to Ch.390.0 Road No.2-P.M.Rao Road LHS Ch.00.0 to Ch.170.0 RHS Ch.00.0 to Ch.170.0 RHS Ch.00.0 to Ch.170.0 RHS Ch.0.0 to Ch.142.0 Road No.4-Sharavu Temple Road LHS	Nos. Nos. Rm Rm Rm Rm Rm Rm Rm Rm Rm Rm Rm Rm Rm	5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	160 100 140 130 100 170 170 170 50 352 42			73.00 8 95 160 100 140 130 100 170 170 170 50 35 42 42 50
11 12	Mission Street Road-Extn. Consider 10% qty of Total Providing gully pipe lowering,laying of PVC 100 mm dia pipes to the required alignments including specials and grade as indicated in drawings/design and hydraulically testing of the pipe line. The rate shall include all jointing materials,testing apparatus and water for testi g etc as directed by the Engineer in charge (page No.41,Item No.7,KUWSDB SOR 2016-17) Footpath Road No.1-GHS Road LHS Ch.00 to Ch.95.00 Ch.200.0 to Ch.260.00 Ch.270.0 to Ch.370.00 RHS Ch.00 to Ch.140.00 Ch.280.0 to Ch.140.00 Ch.150.0 to Ch.280.0 Ch.290.0 to Ch.390.0 Road No.2-P.M.Rao Road LHS Ch.00.0 to Ch.170.0 RHS Ch.00.0 to Ch.170.0 RHS Ch.0.0 to Ch.170.0 RHS Ch.0.0 to Ch.170.0 RHS Ch.0.0 to Ch.170.0 RHS Ch.0.0 to Ch.170.0 RHS Ch.0.0 to Ch.170.0 Ch.55.0 to Ch.90.0 Ch.150.0 Ch.55.0 to Ch.90.0 Ch.150.0 Ch.00.0 to Ch.142.0 Road No.4-Sharavu Temple Road LHS Ch.0.0 to Ch.50.0 Ch.0.0 to Ch	Nos. Nos. Nos. Rm Rm Rm Rm Rm Rm Rm Rm Rm Rm Rm Rm Rm	5 1 1 1 1 1 1 1 1 1 1 1 1 1	160 100 140 130 100 170 170 170 50 355 42 50 35 50 95 35			73.00 8 95 160 100 140 130 100 170 170 170 170 50 355 42 50 95 95 35
11 12	Mission Street Road-Extn. Consider 10% qty of Total Providing gully pipe lowering,laying of PVC 100 mm dia pipes to the required alignments including specials and grade as indicated in drawings/design and hydraulically testing of the pipe line.The rate shall include all jointing materials,testing apparatus and water for testi g etc as directed by the Engineer in charge (page No.41,Item No.7,KUWSDB SOR 2016-17) Footpath Road No.1-GHS Road LHS Ch.0.0 to Ch.95.00 Ch.100.0 to Ch.95.00 Ch.100.0 to Ch.95.00 Ch.100.0 to Ch.140.00 Ch.270.0 to Ch.140.00 Ch.200.0 to Ch.140.00 Ch.200.0 to Ch.140.00 Ch.200.0 to Ch.140.00 Ch.200.0 to Ch.130.0 RNS Ch.0.0 to Ch.170.0 RHS Ch.0.0 to Ch.142.0 Road No.4-Sharavu Temple Road LHS Ch.0.0 to Ch.185.00 RHS	Nos. Nos. Nos. Rm Rm Rm Rm Rm Rm Rm Rm Rm Rm Rm Rm Rm	5 1 1 1 1 1 1 1 1 1 1 1 1 1	160 100 140 130 100 170 170 50 35 42 50 50 95			73.00 8 95 160 100 140 130 100 170 170 170 170 50 355 42 50 95 95 35
11 12	Mission Street Road-Extn. Consider 10% qty of Total Providing gully pipe lowering,laying of PVC 100 mm dia pipes to the required alignments including specials and grade as indicated in drawings/design and hydraulically testing of the pipe line. The rate shall include all jointing materials,testing apparatus and water for testi g etc as directed by the Engineer in charge (page No.41,Item No.7,KUWSDB SOR 2016-17) Footpath Road No.1-GHS Road LHS Ch.00 to Ch.95.00 Ch.200.0 to Ch.260.00 Ch.270.0 to Ch.370.00 RHS Ch.00 to Ch.140.00 Ch.280.0 to Ch.140.00 Ch.150.0 to Ch.280.0 Ch.290.0 to Ch.390.0 Road No.2-P.M.Rao Road LHS Ch.00.0 to Ch.170.0 RHS Ch.00.0 to Ch.170.0 RHS Ch.0.0 to Ch.170.0 RHS Ch.0.0 to Ch.170.0 RHS Ch.0.0 to Ch.170.0 RHS Ch.0.0 to Ch.170.0 RHS Ch.0.0 to Ch.170.0 Ch.55.0 to Ch.90.0 Ch.150.0 Ch.55.0 to Ch.90.0 Ch.150.0 Ch.00.0 to Ch.142.0 Road No.4-Sharavu Temple Road LHS Ch.0.0 to Ch.50.0 Ch.0.0 to Ch	Nos. Nos. Nos. Rm Rm Rm Rm Rm Rm Rm Rm Rm Rm Rm Rm Rm	5 1 1 1 1 1 1 1 1 1 1 1 1 1	160 100 140 130 100 170 170 170 50 355 42 50 35 50 95 35			73.00 8 95 160 100 140 130 100 170

Sr. No.	Description	Unit	No's	L	В	Н	Qty.
	RHS						
	At Ch.0.00	Rm	1	=•			20
	Ch.0.0 to Ch.92.00	Rm	1	92			92
	Road No.8-Maidan 3rd Cross Road						
		D.:		400			100
	Ch.20.0 to Ch.180.0	Rm	1	160			160
		Det	1	180			100
	Ch.0.0 to Ch.180.0	Rm	1	160			180
·	Road No.9 Bibi Alabi Road						
·	LHS						
	Ch.0.0 to Ch.200.00	Rm	1	200			200
	Ch.210.00 to Ch.320.00	Rm	1				110
	Ch.330.0 to Ch.430.00	Rm	1				100
	RHS	I NIII		100			100
	Ch.30.00 to Ch.160.00	Rm	1	130			130
	Ch.170.00 to Ch.340.00	Rm	1				170
	Ch.345.00 to Ch.430.00	Rm	1				85
	Road No.10-Bibi Alabi - Kandak Road						
	LHS						
	Ch.0.0 to Ch.145.0	Rm	1	145			145
	Ch.55.00 to Ch.165.0	Rm	1			1	110
	Ch.185.00 to Ch.230.0	Rm	1				45
	Ch.320.00 to Ch.405.00	Rm	1			1	85
	Ch.425.00 to Ch.460.0	Rm	1				35
	RHS						
	Ch.40.0 to Ch.260.0	Rm	1	220		1	220
	Ch.270.0 to Ch.290.0	Rm	1				20
	Ch.305.0 to Ch.460.0	Rm	1				155
	Road No.11-Maidan 4th Cross Road-Extn.						
	LHS						
	Ch.25.0 to Ch.200.00	Rm	1	175			175
	RHS						
	Ch.0.0 to Ch.200.00	Rm	1	175			175
							110
	Road No.13-J.M.1st Cross Road						
	LHS						
	Ch.160.0 to Ch.170.0	Rm	1	10			10
	Ch.175.0 to Ch.200.0	Rm	1				25
	Ch.218.0 to Ch.227	Rm	1			1	9
	RHS	- Nill		5			
	Ch.160.0 to Ch.190.0	Rm	1	30			30
		NIII		50			50
	Road No.15-Mission Street Road Extn.						
	LHS						
	Ch.0.0 to Ch.20.00	Rm	1	20			20
	RHS	NIII	1	20			20
	Ch.20.0 to Ch.90.0	Rm	1	70			70
	Ch.180.0 to Ch.200	Rm	1	20			20
		1XIII	1	20			20
				1		Total	4360.00
	Consider @10m c/c distance		Nos.	Rm		TUIAI	4300.00
	Nos. Of Pipes		436	1.5			654.00
	Total length of pipe=	Rmt	430	Total Qty.			654.00 654.00
	Total length of pipe=	KIII	-	Total Qty.		1	034.00
	KCDD 11 10 17.1 . Draviding and fiving agend agent iron tran of 100mm dia of calf						
	KSRB 11-18-17.1 : Providing and fixing sand cast iron trap of 100mm dia, of self						
00	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,						
39							
	testing, complete as per specifications Specification No. KBS 11.1.10.						
	testing, complete as per specifications Specification No. KBS 11.1.10. (PWD SR 2018-19, SI.No.12.89)						
	testing, complete as per specifications Specification No. KBS 11.1.10. (PWD SR 2018-19, SI.No.12.89) SWD		10.5.5.				
	testing, complete as per specifications Specification No. KBS 11.1.10. (PWD SR 2018-19, SI.No.12.89)	Nos.	436.00				436.00
	testing, complete as per specifications Specification No. KBS 11.1.10. (PWD SR 2018-19, SI.No.12.89) SWD	Nos. Nos.	436.00		Total Qt	y.	436.00 436.00
	testing, complete as per specifications Specification No. KBS 11.1.10. (PWD SR 2018-19, SI.No.12.89) SWD Same qty as pipe		436.00		Total Qt	y.	
	testing, complete as per specifications Specification No. KBS 11.1.10. (PWD SR 2018-19, SI.No.12.89) SWD Same qty as pipe KSRRB M2200- Providing Weep Holes KSRRB M2200-8. Providing weep holes in		436.00		Total Qt	y.	
	testing, complete as per specifications Specification No. KBS 11.1.10. (PWD SR 2018-19, SI.No.12.89) SWD Same qty as pipe KSRRB M2200- Providing Weep Holes KSRRB M2200-8. Providing weep holes in Brick masonry / Plain / Reinforced concrete abutment, wing wall / return wall with 100		436.00		Total Qt	y.	
	testing, complete as per specifications Specification No. KBS 11.1.10. (PWD SR 2018-19, SI.No.12.89) SWD Same qty as pipe KSRRB M2200- Providing Weep Holes KSRRB M2200-8. Providing weep holes in Brick masonry / Plain / Reinforced concrete abutment, wing wall / return wall with 100 mm dia AC pipe, extending through the full width of the structure with slope of 1V :20H		436.00		Total Qt	y.	
	testing, complete as per specifications Specification No. KBS 11.1.10. (PWD SR 2018-19, SI.No.12.89) SWD Same qty as pipe KSRRB M2200- Providing Weep Holes KSRRB M2200-8. Providing weep holes in Brick masonry / Plain / Reinforced concrete abutment, wing wall / return wall with 100 mm dia AC pipe, extending through the full width of the structure with slope of 1V :20H towards drawing foce. Complete as per drawing and Technical Specifications		436.00		Total Qt	y.	
	testing, complete as per specifications Specification No. KBS 11.1.10. (PWD SR 2018-19, SI.No.12.89) SWD Same qty as pipe KSRRB M2200- Providing Weep Holes KSRRB M2200-8. Providing weep holes in Brick masonry / Plain / Reinforced concrete abutment, wing wall / return wall with 100 mm dia AC pipe, extending through the full width of the structure with slope of 1V :20H towards drawing foce. Complete as per drawing and Technical Specifications complete as per specifications MORTH Specification No.2706 & 2200		436.00		Total Qt	y.	
	testing, complete as per specifications Specification No. KBS 11.1.10. (PWD SR 2018-19, SI.No.12.89) SWD Same qty as pipe KSRRB M2200- Providing Weep Holes KSRRB M2200-8. Providing weep holes in Brick masonry / Plain / Reinforced concrete abutment, wing wall / return wall with 100 mm dia AC pipe, extending through the full width of the structure with slope of 1V :20H towards drawing foce. Complete as per drawing and Technical Specifications		436.00		Total Qt	y.	
	testing, complete as per specifications Specification No. KBS 11.1.10. (PWD SR 2018-19, SI.No.12.89) SWD Same qty as pipe KSRRB M2200- Providing Weep Holes KSRRB M2200-8. Providing weep holes in Brick masonry / Plain / Reinforced concrete abutment, wing wall / return wall with 100 mm dia AC pipe, extending through the full width of the structure with slope of 1V :20H towards drawing foce. Complete as per drawing and Technical Specifications complete as per specifications MORTH Specification No.2706 & 2200		436.00		Total Qt	y.	
	testing, complete as per specifications Specification No. KBS 11.1.10. (PWD SR 2018-19, SI.No.12.89) SWD Same qty as pipe KSRRB M2200- Providing Weep Holes KSRRB M2200-8. Providing weep holes in Brick masonry / Plain / Reinforced concrete abutment, wing wall / return wall with 100 mm dia AC pipe, extending through the full width of the structure with slope of 1V :20H towards drawing foce. Complete as per drawing and Technical Specifications complete as per specifications MORTH Specification No.2706 & 2200		436.00		Total Qt	y	
	testing, complete as per specifications Specification No. KBS 11.1.10. (PWD SR 2018-19, SI.No.12.89) SWD Same qty as pipe KSRRB M2200- Providing Weep Holes KSRRB M2200-8. Providing weep holes in Brick masonry / Plain / Reinforced concrete abutment, wing wall / return wall with 100 mm dia AC pipe, extending through the full width of the structure with slope of 1V :20H towards drawing foce. Complete as per drawing and Technical Specifications complete as per specifications MORTH Specification No.2706 & 2200		436.00	4510.17	Total Qt	y	
	testing, complete as per specifications Specification No. KBS 11.1.10. (PWD SR 2018-19, SI.No.12.89) SWD Same qty as pipe KSRRB M2200- Providing Weep Holes KSRRB M2200-8. Providing weep holes in Brick masonry / Plain / Reinforced concrete abutment, wing wall / return wall with 100 mm dia AC pipe, extending through the full width of the structure with slope of 1V :20H towards drawing foce. Complete as per drawing and Technical Specifications complete as per specifications MORTH Specification No.2706 & 2200 (PWD SR 2018-19, SI.No.28.10)	Nos.		4510.17	Total Qt	y.	436.00

Sr. No.		1	Mala		D		
	Description	Unit	No's	L	В	Н	Qty.
	KSRRB M800-29.3.Cable Duct Across the road KSRRB M800-29.1. Providing and						
	laying of a reinforced cement concrete pipe duct, 300 mm dia, across the road (new						
	construction), extending from drain to drain in cuts and toe of slope to toe of slope in						
	fills, constructing head walls at both ends, providing a minimum fill of granular material						
	over top and sides of RCC pipe as per IRC:98-1997, bedded on a 0.3 m thick layer of						
	granular material free of rock pieces, outer to outer distance of pipe at least half dia of						
41	pipe subject to minimum450 mm in case of double and triple row ducts, joints to be						
	made leak proof, invert level of duct to be above higher than ground level to prevent						
	entry of water and dirt, all as per IRC: 98 - 1997 and approved drawings complete as						
	per specifications. Case-III : Triple row for three utility services.						
	(PWD SR 2018-19,SI.No.24.36)						
1	GHS Road	Rmt	4	25.1			100.4
2	P.M.Rao Road	Rmt	2	16.6			33.2
3	Sharavu Temple Road	Rmt	2	18.8			37.6
4	GHS Cross Road	Rmt	2	14.8			29.6
5	Vithoba Temple Road	Rmt	17	8.1			137.7
6	Maidan 1st Cross Road	Rmt	1	14.5			14.5
7	Maidan 3rd Cross Road	Rmt	2	15.9			31.8
8	Bibi Alabi Road	Rmt	5	28.4			142
9	Bibi Alabi - Kanadak Road	Rmt	5	20.4			102
-	Maidan 4th Cross Road-Extn.	Rmt	2	21.5			43
	MPT Road	Rmt	0				0
11	J.M.1st Cross Road	Rmt	8	10.3			82.4
12	Mission Street Road-Extn.	Rmt	2	21.4			42.8
		Rmt	†	1	Total Qty	/	797.00
		Ant		1			131.00
	Deviding and laving Dis 005mm UDDE Electricity of the 11 Office of the						┟────┤
	Providing and laying Dia 225mm HDPE Electrical pipe Conduits with Silicore Lubricant						
	inner layer with ribs, dimensional ratio of 13.5, Deflection not greater than 5% when						
	exposed to the normal operating temparature 90°C under the over burden soil						
42	presuure and other physical properties comforming to ASTMF 2160 and /or NEMA		Nos.	RHS	Nos.	LHS	
42	TC7. The expected service life of HDPE pipe conduits and accessories shall not be		NOS.	кпэ	NUS.	LIIO	
	less than 50 years.						
	(Market Rate)						
1	GHS Road	Rmt	6	370	6	370	4440
2	P.M.Rao Road	Rmt	4	178	4	178	
3	Sharavu Temple Road	Rmt	4	194	4	194	1552
4	GHS Cross Road	Rmt	4	180	4	180	1440
5	Vithoba Temple Road	Rmt	0	0	9	482	4338
-	Vithoba Temple Road-Cross Ducting	Rmt	58	7.5	-		435
-					0	00	
6	Maidan 1st Cross Road	Rmt	0		0	90	
7	Maidan 3rd Cross Road	Rmt	6	186	6	186	
8	Bibi Alabi Road	Rmt	6	440	6	440	5280
	Bibi Alabi - Kanadak Road	Rmt	6	460	6	460	5520
9	Maidan 4th Cross Road-Extn.	Rmt	4	195	4	195	
							1000
10							1/28
	J.M.1st Cross Road	Rmt	0	0	6	238	
10 11	J.M.1st Cross Road J.M.1st Cross Road-Crossing Duct	Rmt Rmt	0 19	0 7.5	6	238	142.5
10	J.M.1st Cross Road	Rmt	0	0			142.5
10 11	J.M.1st Cross Road J.M.1st Cross Road-Crossing Duct	Rmt Rmt	0 19	0 7.5	6	238	142.5
10 11	J.M.1st Cross Road J.M.1st Cross Road-Crossing Duct Mission Street Road-Extn.	Rmt Rmt	0 19 4	0 7.5 200	6 0	238	142.5 800
10 11	J.M.1st Cross Road J.M.1st Cross Road-Crossing Duct	Rmt Rmt	0 19 4 No. Of	0 7.5 200 No. Of	6 0 No. Of	238 200 No. Of	142.5 800
10 11	J.M.1st Cross Road J.M.1st Cross Road-Crossing Duct Mission Street Road-Extn.	Rmt Rmt	0 19 4	0 7.5 200 No. Of	6 0	238	142.5 800
10 11	J.M.1st Cross Road J.M.1st Cross Road-Crossing Duct Mission Street Road-Extn.	Rmt Rmt	0 19 4 No. Of	0 7.5 200 No. Of	6 0 No. Of	238 200 No. Of	142.5 800
10 11	J.M.1st Cross Road J.M.1st Cross Road-Crossing Duct Mission Street Road-Extn.	Rmt Rmt	0 19 4 No. Of	0 7.5 200 No. Of	6 0 No. Of	238 200 No. Of	142.5 800 E=(A*B+C*D)
10 11	J.M.1st Cross Road J.M.1st Cross Road-Crossing Duct Mission Street Road-Extn.	Rmt Rmt	0 19 4 No. Of Pipes	0 7.5 200 No. Of Chambers	6 0 No. Of Pipes	238 200 No. Of Chambers	142.5 800 E=(A*B+C*D) *2m chamber
10 11	J.M.1st Cross Road J.M.1st Cross Road-Crossing Duct Mission Street Road-Extn.	Rmt Rmt	0 19 4 No. Of	0 7.5 200 No. Of	6 0 No. Of	238 200 No. Of	142.5 800 E=(A*B+C*D) *2m chamber
10 11	J.M.1st Cross Road J.M.1st Cross Road-Crossing Duct Mission Street Road-Extn.	Rmt Rmt	0 19 4 No. Of Pipes	0 7.5 200 No. Of Chambers	6 0 No. Of Pipes	238 200 No. Of Chambers	E=(A*B+C*D) *2m chamber length
10 11 12 12	J.M.1st Cross Road J.M.1st Cross Road-Crossing Duct Mission Street Road-Extn. Deduction of Chambers length GHS Road	Rmt Rmt Rmt	0 19 4 No. Of Pipes A 6	0 7.5 200 No. Of Chambers B 13	6 0 No. Of Pipes C 6	238 200 No. Of Chambers D 13	142.5 800 E=(A*B+C*D) *2m chamber length -312
10 11 12 12 1 2	J.M.1st Cross Road J.M.1st Cross Road-Crossing Duct Mission Street Road-Extn. Deduction of Chambers length GHS Road P.M.Rao Road	Rmt Rmt Rmt Rmt Rmt	0 19 4 No. Of Pipes A 6 4	0 7.5 200 No. Of Chambers B 13 6	6 0 No. Of Pipes C 6 4	238 200 No. Of Chambers D 13 6	142.5 800 E=(A*B+C*D) *2m chamber length -312 -96
10 11 12 12 1 2 3	J.M.1st Cross Road J.M.1st Cross Road-Crossing Duct Mission Street Road-Extn. Deduction of Chambers length GHS Road P.M.Rao Road Sharavu Temple Road	Rmt Rmt Rmt Rmt Rmt Rmt	0 19 4 No. Of Pipes A 6 4 4	0 7.5 200 No. Of Chambers B 13 6 7	6 0 No. Of Pipes C 6 4 4	238 200 No. Of Chambers D 13 6 7	142.5 800 E=(A*B+C*D) *2m chamber length -312 -96 -112
10 11 12 12 1 2 3 4	J.M.1st Cross Road J.M.1st Cross Road-Crossing Duct Mission Street Road-Extn. Deduction of Chambers length GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road	Rmt Rmt Rmt Rmt Rmt Rmt Rmt	0 19 4 No. Of Pipes A 6 4 4 4 4	0 7.5 200 No. Of Chambers B 13 6 7 6	6 0 No. Of Pipes C 6 6 4 4 4 4	238 200 No. Of Chambers D 13 6 7 7 6	142.5 800 E=(A*B+C*D) *2m chamber length -312 -96 -112 -96
10 11 12 12 1 2 3 4 5	J.M.1st Cross Road J.M.1st Cross Road-Crossing Duct Mission Street Road-Extn. Deduction of Chambers length GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road	Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt	0 19 4 No. Of Pipes A 6 4 4 4 4 0	0 7.5 200 No. Of Chambers B 13 6 7 7 6 0	6 0 Pipes C 6 4 4 4 9	238 200 No. Of Chambers D 13 6 7 7 6 17	142.5 800 E=(A*B+C*D) *2m chamber length -312 -96 -112 -96 -306
10 11 12 12 1 2 3 4 5 6	J.M.1st Cross Road J.M.1st Cross Road-Crossing Duct Mission Street Road-Extn. Deduction of Chambers length GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road	Rmt Rmt Rmt Rmt Rmt Rmt Rmt	0 19 4 No. Of Pipes A 6 4 4 4 4 0 0 0	0 7.5 200 No. Of Chambers B 13 6 7 6 6 0 3	6 0 Pipes C 6 4 4 4 9 0	238 200 No. Of Chambers D 13 6 7 6 6 77 6 77 3	142.5 800 E=(A*B+C*D) *2m chamber length -312 -96 -112 -96 -306 0
10 11 12 12 1 2 3 4 5	J.M.1st Cross Road J.M.1st Cross Road-Crossing Duct Mission Street Road-Extn. Deduction of Chambers length GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road	Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt	0 19 4 No. Of Pipes A 6 4 4 4 4 0	0 7.5 200 No. Of Chambers B 13 6 7 6 6 0 3	6 0 Pipes C 6 4 4 4 9	238 200 No. Of Chambers D 13 6 7 7 6 17	142.5 800 E=(A*B+C*D) *2m chamber length -312 -96 -112 -96 -306 0
10 11 12 12 1 2 3 4 5 6	J.M.1st Cross Road J.M.1st Cross Road-Crossing Duct Mission Street Road-Extn. Deduction of Chambers length GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road	Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt	0 19 4 No. Of Pipes A 6 4 4 4 4 0 0 0	0 7.5 200 No. Of Chambers B 13 6 7 6 6 0 3	6 0 Pipes C 6 4 4 4 9 0	238 200 No. Of Chambers D 13 6 7 6 6 77 6 77 3	E=(A*B+C*D) *2m chamber length -312 -96 -112 -96 -306 0 -168
10 11 12 12 1 2 3 4 5 6 7 7 8	J.M.1st Cross Road J.M.1st Cross Road-Crossing Duct Mission Street Road-Extn. Deduction of Chambers length GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 3rd Cross Road Bibi Alabi Road	Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt	0 19 4 No. Of Pipes A 6 4 4 4 4 0 0 0 6 6 6	0 7.5 200 No. Of Chambers B 13 6 7 6 0 0 3 7 7 5	6 0 No. Of Pipes C 6 4 4 4 4 9 0 0 6 6	238 200 No. Of Chambers D 13 6 7 6 7 6 7 6 7 7 6 7 7 5 7 7	142.5 800 E=(A*B+C*D) *2m chamber length -312 -96 -112 -96 -306 0 -168 -360
10 11 12 12 3 4 5 6 7 8 9	J.M.1st Cross Road J.M.1st Cross Road-Crossing Duct Mission Street Road-Extn. Deduction of Chambers length GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 1st Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road	Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt	0 19 4 No. Of Pipes A 6 4 4 4 4 4 0 0 6 6 6 6 6	0 7.5 200 No. Of Chambers B 13 6 7 6 0 0 3 7 7 5 15	6 0 No. Of Pipes C 6 4 4 4 4 9 9 0 6 6 6 6	238 200 No. Of Chambers D 13 6 7 6 17 6 17 3 7 7 5 15	E=(A*B+C*D) *2m chamber length -312 -96 -112 -96 -306 0 -168 -360 -384
10 11 12 12 3 4 5 6 7 8 9 10	J.M.1st Cross Road J.M.1st Cross Road-Crossing Duct Mission Street Road-Extn. Deduction of Chambers length GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 3rd Cross Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn.	Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt	0 19 4 No. Of Pipes A 6 4 4 4 4 4 0 0 0 6 6 6 6 6 4	0 7.5 200 No. Of Chambers B 13 6 7 6 0 0 3 7 7 5 15 16 7	6 0 No. Of Pipes C 6 6 4 4 4 9 0 6 6 6 6 4	238 200 No. Of Chambers D 13 6 6 7 6 17 6 17 6 17 5 15 16 7	E=(A*B+C*D) *2m chamber length -312 -96 -112 -96 -306 0 -168 -360 -384 -112
10 11 12 12 3 4 5 6 7 7 8 9 9 10 11	J.M.1st Cross Road J.M.1st Cross Road-Crossing Duct Mission Street Road-Extn. Deduction of Chambers length GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road	Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt	0 19 4 No. Of Pipes A 6 4 4 4 4 0 0 0 6 6 6 6 6 6 6 4 4 0	0 7.5 200 No. Of Chambers B 13 6 7 7 6 0 0 3 3 7 7 15 16 7 7 0	6 0 No. Of Pipes C 6 6 4 4 4 9 0 0 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	238 200 No. Of Chambers D 13 6 7 6 7 6 17 6 17 5 16 16 7 8	142.5 800 E=(A*B+C*D) *2m chamber length -312 -96 -112 -96 -306 0 -168 -300 0 -168 -360 -384 -112 -96
10 11 12 12 3 4 5 6 7 8 9 10	J.M.1st Cross Road J.M.1st Cross Road-Crossing Duct Mission Street Road-Extn. Deduction of Chambers length GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 3rd Cross Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn.	Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt	0 19 4 No. Of Pipes A 6 4 4 4 4 4 0 0 0 6 6 6 6 6 4	0 7.5 200 No. Of Chambers B 13 6 7 7 6 0 3 7 7 5 15 16 7 7 0 0 7	6 0 No. Of Pipes C 6 6 4 4 4 9 0 6 6 6 6 4	238 200 No. Of Chambers D 13 6 6 7 6 17 6 17 6 17 5 15 16 7	142.5 800 E=(A*B+C*D) *2m chamber length -312 -96 -312 -96 -306 0 -168 -360 -384 -112 -384 -360 -384 -360 -384
10 11 12 12 3 4 5 6 7 7 8 9 9 10 11	J.M.1st Cross Road J.M.1st Cross Road-Crossing Duct Mission Street Road-Extn. Deduction of Chambers length GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road	Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt	0 19 4 No. Of Pipes A 6 4 4 4 4 0 0 0 6 6 6 6 6 6 6 4 4 0	0 7.5 200 No. Of Chambers B 13 6 7 7 6 0 0 3 3 7 7 15 16 7 7 0	6 0 No. Of Pipes C 6 6 4 4 4 9 0 0 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	238 200 No. Of Chambers D 13 6 7 6 7 6 17 6 17 5 16 16 7 8	142.5 800 E=(A*B+C*D) *2m chamber length -312 -96 -112 -96 -306 0 -168 -300 0 -168 -360 -384 -112 -96
10 11 12 12 3 4 5 6 7 7 8 9 9 10 11	J.M.1st Cross Road J.M.1st Cross Road-Crossing Duct Mission Street Road-Extn. Deduction of Chambers length GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road	Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt	0 19 4 No. Of Pipes A 6 4 4 4 4 0 0 0 6 6 6 6 6 6 6 4 4 0	0 7.5 200 No. Of Chambers B 13 6 7 7 6 0 3 7 7 5 15 16 7 7 0 0 7	6 0 No. Of Pipes C 6 6 4 4 4 9 0 0 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	238 200 No. Of Chambers D 13 6 7 6 7 6 17 6 17 5 16 16 7 8	142.5 800 E=(A*B+C*D) *2m chamber length -312 -96 -312 -96 -306 0 -168 -360 -384 -112 -384 -360 -384 -360 -384
10 11 12 12 3 4 5 6 7 7 8 9 9 10 11	J.M.1st Cross Road J.M.1st Cross Road-Crossing Duct Mission Street Road-Extn. Deduction of Chambers length GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 1st Cross Road Bibi Alabi Road Bibi Alabi - Kanadak Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road Mission Street Road-Extn.	Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt	0 19 4 No. Of Pipes A 6 4 4 4 4 0 0 0 6 6 6 6 6 6 6 4 4 0	0 7.5 200 No. Of Chambers B 13 6 7 7 6 0 3 7 7 5 15 16 7 7 0 0 7	6 0 No. Of Pipes C 6 6 4 4 4 9 0 0 6 6 6 6 6 6 4 6 6	238 200 No. Of Chambers D 13 6 7 6 7 6 17 6 17 5 16 16 7 8	E=(A*B+C*D) *2m chamber length -312 -96 -316 -306 -306 -306 -36 -384 -360 -384 -360 -384 -360 -384
10 11 12 12 3 4 5 6 7 7 8 9 9 10 11	J.M.1st Cross Road J.M.1st Cross Road-Crossing Duct Mission Street Road-Extn. Deduction of Chambers length GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 1st Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road Mission Street Road-Extn.	Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt	0 19 4 No. Of Pipes A 6 4 4 4 4 0 0 0 6 6 6 6 6 6 6 4 4 0	0 7.5 200 No. Of Chambers B 13 6 7 7 6 0 3 7 7 5 15 16 7 7 0 0 7	6 0 No. Of Pipes C 6 6 4 4 4 9 0 0 6 6 6 6 6 6 4 6 6	238 200 No. Of Chambers D 13 6 7 6 7 6 17 6 17 5 16 16 7 8	E=(A*B+C*D) *2m chamber length -312 -96 -316 -306 -306 -306 -36 -384 -360 -384 -360 -384 -360 -384
10 11 12 12 3 4 5 6 7 7 8 9 9 10 11	J.M.1st Cross Road J.M.1st Cross Road-Crossing Duct Mission Street Road-Extn. Deduction of Chambers length GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 1st Cross Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road Mission Street Road-Extn.	Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt	0 19 4 No. Of Pipes A 6 4 4 4 4 0 0 0 6 6 6 6 6 6 6 4 4 0	0 7.5 200 No. Of Chambers B 13 6 7 7 6 0 3 7 7 5 15 16 7 7 0 0 7	6 0 No. Of Pipes C 6 6 4 4 4 9 0 0 6 6 6 6 6 6 4 6 6	238 200 No. Of Chambers D 13 6 7 6 7 6 17 6 17 5 16 16 7 8	E=(A*B+C*D) *2m chamber length -312 -96 -316 -306 -306 -306 -36 -384 -360 -384 -360 -384 -360 -384
10 11 12 12 3 4 5 6 7 7 8 9 9 10 11	J.M.1st Cross Road J.M.1st Cross Road-Crossing Duct Mission Street Road-Extn. Deduction of Chambers length GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 1st Cross Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road Providing and laying Dia 160mm HDPE Electrical pipe Conduits with Silicore Lubricant inner layer with ribs, dimensional ratio of 13.5,Deflection not greater than 5% when exposed to the normal operating temparature 90°C under the over burden soil	Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt	0 19 4 No. Of Pipes A 6 4 4 4 4 0 0 0 6 6 6 6 6 6 6 4 4 0	0 7.5 200 No. Of Chambers B 13 6 7 7 6 0 3 7 7 5 15 16 7 7 0 0 7	6 0 No. Of Pipes C 6 6 4 4 4 9 0 0 6 6 6 6 6 6 4 6 6	238 200 No. Of Chambers D 13 6 7 6 7 6 17 6 17 5 16 16 7 8	E=(A*B+C*D) *2m chamber length -312 -96 -316 -306 -306 -306 -36 -384 -360 -384 -360 -384 -360 -384
10 11 12 12 3 4 5 6 7 8 9 10 11 12	J.M.1st Cross Road J.M.1st Cross Road-Crossing Duct Mission Street Road-Extn. Deduction of Chambers length GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road GHS Cross Road Vithoba Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road Extn. J.M.1st Cross Road Mission Street Road-Extn.	Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt	0 19 4 No. Of Pipes A 6 4 4 4 4 0 0 0 6 6 6 6 6 6 6 4 4 0	0 7.5 200 No. Of Chambers B 13 6 7 7 6 0 3 7 7 5 15 16 7 7 0 0 7	6 0 No. Of Pipes C 6 6 4 4 4 9 0 0 6 6 6 6 6 6 4 6 6	238 200 No. Of Chambers D 13 6 7 6 7 6 17 6 17 5 16 16 7 8	E=(A*B+C*D) *2m chamber length -312 -96 -316 -306 -306 -306 -36 -384 -360 -384 -360 -384 -360 -384
10 11 12 12 3 4 5 6 7 8 9 10 11 12	J.M.1st Cross Road J.M.1st Cross Road-Crossing Duct Mission Street Road-Extn. Deduction of Chambers length GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road-Extn. J.M.1st Cross Road-Extn. J.M.1st Cross Road-Extn. Providing and laying Dia 160mm HDPE Electrical pipe Conduits with Silicore Lubricant inner layer with ribs, dimensional ratio of 13.5,Deflection not greater than 5% when exposed to the normal operating temparature 90°C under the over burden soil presuure and other physical properties comforming to ASTIMF 2160 and /or NEMA TC7.The expected service life of HDPE pipe conduits and accessories shall not be	Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt	0 19 4 No. Of Pipes A 6 4 4 4 4 0 0 0 6 6 6 6 6 6 6 4 4 0	0 7.5 200 No. Of Chambers B 13 6 7 7 6 0 3 7 7 5 15 16 7 7 0 0 7	6 0 No. Of Pipes C 6 6 4 4 4 9 0 0 6 6 6 6 6 6 4 6 6	238 200 No. Of Chambers D 13 6 7 6 7 6 17 6 17 5 16 16 7 8	E=(A*B+C*D) *2m chamber length -312 -96 -316 -306 -306 -306 -36 -384 -360 -384 -360 -384 -360 -384
10 11 12 12 3 4 5 6 7 8 9 10 11 12	J.M.1st Cross Road J.M.1st Cross Road-Crossing Duct Mission Street Road-Extn. Deduction of Chambers length GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road GHS Cross Road Vithoba Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road Extn. J.M.1st Cross Road Mission Street Road-Extn.	Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt	0 19 4 No. Of Pipes A 6 4 4 4 0 0 0 6 6 6 6 6 6 6 4 4 0 0 4	0 7.5 200 No. Of Chambers B 13 6 7 7 6 0 3 7 7 15 16 7 7 0 7 7 Total Qty.	6 0 No. Of Pipes C 6 6 4 4 4 9 0 0 6 6 6 6 6 6 6 6 6 0	238 200 No. Of Chambers D 13 6 7 6 17 3 7 15 16 7 7 8 7 7	142.5 800 E=(A*B+C*D) *2m chamber length -312 -96 -312 -96 -306 0 -168 -300 0 -168 -360 -384 -112 -96 -36 -56 28493.50
10 11 12 12 3 4 5 6 7 8 9 10 11 12 43	J.M.1st Cross Road J.M.1st Cross Road-Crossing Duct Mission Street Road-Extn. Deduction of Chambers length GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road GHS Cross Road Vithoba Temple Road GHS Cross Road Withoba Temple Road Maidan 1st Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. Providing and laying Dia 160mm HDPE Electrical pipe Conduits with Silicore Lubricant inner layer with ribs, dimensional ratio of 13.5,Deflection not greater than 5% when exposed to the normal operating temparature 90°C under the over burden soil presuure and other physical properties comforming to ASTIMF 2160 and /or NEMA TC7.The expected service life of HDPE pipe conduits and accessories shall not be less than 50 years.(Market Rate)	Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt	0 19 4 No. Of Pipes A 6 4 4 4 0 0 0 6 6 6 6 6 4 4 0 0 0 0 6 6 8 4 4 0 0 0 0 0 0 0 0 0 0 0 0 0	0 7.5 200 No. Of Chambers B 13 6 7 6 0 3 7 7 15 16 7 0 7 7 15 16 7 7 7 0 7 7 7 15	6 0 No. Of Pipes C 6 4 4 4 9 0 0 6 6 6 6 6 6 6 6 6 0 0	238 200 No. Of Chambers D 13 6 7 7 6 6 17 3 7 7 5 16 6 7 7 8 7 7	142.5 800 *2m chamber length -312 -96 -112 -96 -306 0 -168 -360 -384 -112 -96 -36 28493.50
10 11 12 12 1 2 3 4 5 6 7 8 9 10 11 11 12 43 43	J.M.1st Cross Road J.M.1st Cross Road-Crossing Duct Mission Street Road-Extn. Deduction of Chambers length GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 3rd Cross Road Bibi Alabi Road Elibi Alabi Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road Mission Street Road-Extn.	Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt	0 19 4 No. Of Pipes A 6 4 4 4 0 0 0 6 6 6 6 6 4 4 0 0 0 0 0 8 8 8 8 8 8 8 8 8 8 8 8 8	0 7.5 200 No. Of Chambers B 13 6 7 6 0 3 7 7 15 16 7 0 7 7 Total Qty. RHS 370	6 0 No. Of Pipes C 6 4 4 4 4 9 0 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 7 7 8 8 8 8	238 200 No. Of Chambers D 13 6 7 7 6 13 7 7 15 16 7 7 8 7 7 15 15 16 7 7 2 15 16 7 7 3 3 7 7 7 3 3 7 7 3 3 7 7 7 3 3 7 7 7 3 3 7 7 7 7 7 3 3 7	142.5 800 *2m chamber length -312 -96 -112 -96 -306 0 -168 -360 -384 -112 -96 -360 -384 -112 -96 -360 -384 -360 -384 -360 -384 -360 -384 -342 -360 -384 -342 -360 -384 -342 -360 -384 -342 -360 -384 -342 -360 -384 -342 -360 -384 -342 -360 -360 -360 -360 -360 -360 -360 -360
10 11 12 12 3 4 5 6 7 8 9 10 11 12 43 43	J.M.1st Cross Road J.M.1st Cross Road-Crossing Duct Mission Street Road-Extn. Deduction of Chambers length GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 3rd Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Maidan 4th Cross Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. J.C.The expected service life of HDPE pipe conduits with Silicore Lubricant presuure and other physical properties comforming to ASTMF 2160 and /or NEMA TC7.The expected service life of HDPE pipe conduits and accessories shall not be less than 50 years.(Market Rate) GHS Road P.M.Rao Road	Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt	0 19 4 No. Of Pipes A 6 4 4 4 4 0 0 0 0 6 6 6 6 6 6 6 4 4 0 0 0 0 8 8 8 8 8 8 8 8 8 8 8 8 8	0 7.5 200 No. Of Chambers B 13 6 7 6 0 3 7 7 15 16 7 0 0 7 7 Total Qty. 7 Total Qty.	6 0 No. Of Pipes C 6 6 4 4 4 4 9 0 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 7 7 8 8 8 8	238 200 No. Of Chambers D 13 6 7 6 6 17 3 7 15 16 7 8 7 7 15 16 7 7 8 7 7 15 16 7 7 15 16 7 7 7 15 16 7 7 7 7 15 16 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	142.5 800 E=(A*B+C*D) *2m chamber length -312 -96 -112 -96 -306 -384 -112 -360 -384 -112 -360 -384 -112 -360 -384 -384 -112 -360 -384 -384 -312 -360 -384 -312 -360 -384 -312 -360 -384 -312 -360 -384 -312 -360 -360 -360 -360 -360 -360 -360 -360
10 11 12 12 3 4 5 6 7 8 9 10 11 12 43 43 43	J.M.1st Cross Road J.M.1st Cross Road-Crossing Duct Mission Street Road-Extn. Deduction of Chambers length GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 1st Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. Providing and laying Dia 160mm HDPE Electrical pipe Conduits with Silicore Lubricant inner layer with ribs, dimensional ratio of 13.5,Deflection not greater than 5% when exposed to the normal operating temparature 90°C under the over burden soil presuure and other physical properties comforming to ASTMF 2160 and /or NEMA TC7.The expected service life of HDPE pipe conduits and accessories shall not be less than 50 years.(Market Rate) GHS Road P.M.Rao Road Sharavu Temple Road	Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt	0 19 4 No. Of Pipes A 6 4 4 4 4 0 0 6 6 6 6 6 6 6 4 4 0 0 0 8 8 8 8 8 8 8 8 8 8 8 8 8	0 7.5 200 No. Of Chambers B 13 6 7 7 6 0 0 3 7 7 5 16 7 7 0 7 7 Total Qty. RHS 370 178 370	6 0 No. Of Pipes C 6 6 4 4 4 9 0 0 6 6 6 6 6 4 4 4 9 0 0 0 6 6 6 6 6 4 4 4 9 0 0 0 6 7 8 8 8 9 0 0 8 9 0 0 8 9 9 0 0 8 9 9 9 8 8 9 9 0 8 9 9 9 8 8 9 9 9 9	238 200 No. Of Chambers D 13 6 7 7 6 17 6 17 6 17 5 16 16 7 7 8 7 7 5 15 16 16 7 7 5 15 16 16 7 7 15 16 17 8 7 7 15 16 16 17 8 7 7 15 16 16 17 17 17 18 19 14	142.5 800 *2m chamber length -312 -96 -112 -96 -306 0 -168 -300 0 -168 -300 0 -168 -360 -384 -112 -96 -56 28493.50
10 11 12 12 3 4 5 6 7 7 8 9 10 11 12 43 43 43	J.M.1st Cross Road J.M.1st Cross Road-Crossing Duct Mission Street Road-Extn. Deduction of Chambers length GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. J.M.1st Cross Road Providing and laying Dia 160mm HDPE Electrical pipe Conduits with Silicore Lubricant inner layer with ribs, dimensional ratio of 13.5,Deflection not greater than 5% when exposed to the normal operating temparature 90°C under the over burden soil presuure and other physical properties comforming to ASTMF 2160 and /or NEMA TC7.The expected service life of HDPE pipe conduits and accessories shall not be less than 50 years.(Market Rate) GHS Road P.M.Rao Road Sharavu Temple Road	Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt	0 19 4 No. Of Pipes A 6 4 4 4 4 0 0 0 0 6 6 6 6 6 6 6 4 4 0 0 0 0 8 8 8 8 8 8 8 8 8 8 8 8 8	0 7.5 200 No. Of Chambers B 13 6 7 6 0 3 7 7 15 16 7 0 0 7 7 Total Qty. 7 Total Qty.	6 0 No. Of Pipes C 6 6 4 4 4 9 0 0 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	238 200 No. Of Chambers D 13 6 7 6 6 17 3 7 15 16 7 8 7 7 15 16 7 7 8 7 7 15 16 7 7 15 16 7 7 7 15 16 7 7 7 7 15 16 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	142.5 800 *2m chamber length -312 -96 -112 -96 -306 0 -168 -300 0 -168 -300 0 -168 -360 -384 -112 -96 -56 28493.50
10 11 12 12 3 4 5 6 7 8 9 10 11 12 43 43 43	J.M.1st Cross Road J.M.1st Cross Road-Crossing Duct Mission Street Road-Extn. Deduction of Chambers length GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 1st Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. Providing and laying Dia 160mm HDPE Electrical pipe Conduits with Silicore Lubricant inner layer with ribs, dimensional ratio of 13.5,Deflection not greater than 5% when exposed to the normal operating temparature 90°C under the over burden soil presuure and other physical properties comforming to ASTMF 2160 and /or NEMA TC7.The expected service life of HDPE pipe conduits and accessories shall not be less than 50 years.(Market Rate) GHS Road P.M.Rao Road Sharavu Temple Road	Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt	0 19 4 No. Of Pipes A 6 4 4 4 4 0 0 6 6 6 6 6 6 6 4 4 0 0 0 8 8 8 8 8 8 8 8 8 8 8 8 8	0 7.5 200 No. Of Chambers B 13 6 7 7 6 0 0 3 7 7 5 16 7 7 0 7 7 Total Qty. RHS 370 178 370	6 0 No. Of Pipes C 6 6 4 4 4 9 0 0 6 6 6 6 6 4 4 4 9 0 0 0 6 6 6 6 6 4 4 4 9 0 0 0 6 7 8 8 8 9 0 0 9 0 0 8 8 9 9 0 0 8 9 9 9 8 8 9 9 9 8 8 9 9 9 9	238 200 No. Of Chambers D 13 6 7 7 6 17 6 17 6 17 5 16 16 7 7 8 7 7 5 15 16 16 7 7 5 15 16 16 7 7 15 16 17 8 7 7 15 16 16 17 8 7 7 15 16 16 17 17 17 18 19 14	142.5 800 *2m chamber length -312 -96 -306 -306 -306 -306 -306 -306 -360 -384 -312 -96 -360 -384 -312 -96 -356 28493.50
10 11 12 12 3 4 5 6 7 7 8 9 10 11 12 43 43 43	J.M.1st Cross Road J.M.1st Cross Road-Crossing Duct Mission Street Road-Extn. Deduction of Chambers length GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 1st Cross Road Bibi Alabi Road Bibi Alabi - Kanadak Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. Providing and laying Dia 160mm HDPE Electrical pipe Conduits with Silicore Lubricant inner layer with ribs, dimensional ratio of 13.5,Deflection not greater than 5% when exposed to the normal operating temparature 90°C under the over burden soil presuure and other physical properties comforming to ASTMF 2160 and /or NEMA TC7.The expected service life of HDPE pipe conduits and accessories shall not be less than 50 years.(Market Rate) GHS Road P.M.Rao Road Sharavu Temple Road Vithoba Temple Road	Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt	0 19 4 No. Of Pipes A 6 4 4 4 0 0 0 6 6 6 6 6 6 4 0 0 0 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9	0 7.5 200 No. Of Chambers B 13 6 7 7 6 0 3 7 7 6 0 3 7 7 5 6 0 0 7 7 7 5 16 7 7 7 5 16 7 7 7 5 7 7 7 5 7 7 7 5 15 16 7 7 7 7 7 7 7 7 7 7 8 8 8 8 8 7 7 7 7	6 0 No. Of Pipes C 6 6 4 4 4 9 0 0 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	238 200 No. Of Chambers D 13 6 7 7 6 6 7 7 6 6 7 7 8 7 7 5 16 6 7 7 8 7 7 15 16 7 7 15 16 7 7 15 16 7 7 15 16 7 7 15 16 17 8 7 7 15 16 17 8 17 8 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 18 18 19 18 18 18 18 18 19 18 18 18 18 18 18 18 18 18 18 18 18 18	142.5 800 *2m chamber length -312 -96 -306 0 -168 -306 0 -168 -366 28493.50 -1480 7162 7766 720 14460
10 11 12 12 3 4 5 6 7 8 9 10 11 12 43 4 4 5 5	J.M.1st Cross Road J.M.1st Cross Road-Crossing Duct Mission Street Road-Extn. Deduction of Chambers length GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 1st Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. Providing and laying Dia 160mm HDPE Electrical pipe Conduits with Silicore Lubricant inner layer with ribs, dimensional ratio of 13.5,Deflection not greater than 5% when exposed to the normal operating temparature 90°C under the over burden soil presuure and other physical properties comforming to ASTMF 2160 and /or NEMA TC7.The expected service life of HDPE pipe conduits and accessories shall not be less than 50 years.(Market Rate) GHS Road P.M.Rao Road Sharavu Temple Road Vithoba Temple Road Vithoba Temple Road	Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt	0 19 4 No. Of Pipes A 6 4 4 4 0 0 0 6 6 6 6 6 6 6 6 6 2 2 2 2 2 2 0 19 19 19 19 19 19 19 19 19 19	0 7.5 200 No. Of Chambers B 13 6 7 7 6 0 3 7 7 6 0 3 7 7 5 16 0 7 7 7 5 16 0 7 7 7 5 16 0 7 7 7 5 15 16 7 7 7 5 16 8 8 8 8 8 8 8 7 7 7 7 6 9 0 0 7 7 7 7 7 8 7 7 8 7 7 7 7 8 7 7 7 7	6 0 No. Of Pipes C 6 6 4 4 4 9 0 0 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	238 200 No. Of Chambers D 13 6 7 7 6 6 17 3 7 7 15 16 7 7 8 8 7 7 15 16 7 7 8 8 7 7 15 16 7 7 15 16 7 7 8 8 7 7 15 16 17 8 19 4 8 2 17 8 19 8 19 8 19 8 19 8 19 10 10 10 10 10 10 10 10 10 10 10 10 10	142.5 800 E=(A*B+C*D) *2m chamber length -312 -96 -306 0 -168 -306 0 -168 -366 28493.50 1480 712 776 720 1446 142.5
10 11 12 12 3 4 5 6 7 7 8 9 10 11 12 43 43 43 43 5 5 6	J.M.1st Cross Road-Crossing Duct Mission Street Road-Extn. Deduction of Chambers length GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Midan 3rd Cross Road Midan 3rd Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Mission Street Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. Providing and laying Dia 160mm HDPE Electrical pipe Conduits with Silicore Lubricant inner layer with ribs, dimensional ratio of 13.5,Deflection not greater than 5% when exposed to the normal operating temparature 90°C under the over burden soil presuure and other physical properties comforming to ASTMF 2160 and /or NEMA TC7.The expected service life of HDPE pipe conduits and accessories shall not be less than 50 years.(Market Rate) GHS Road P.M.Rao Road Sharavu Temple Road Cross Road Vithoba Temple Road Cross Road Vithoba Temple Road Vithoba Temple Road-Cross Ducting Miadan 1st Cross Road	Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt	0 19 4 No. Of Pipes A 6 4 4 4 0 0 0 6 6 6 6 6 6 6 6 4 4 0 0 0 0 0 0 0 0 0 0 0 0 0	0 7.5 200 No. Of Chambers B 13 6 7 6 0 3 7 7 5 16 0 3 7 7 5 16 0 7 7 5 16 0 7 7 7 5 16 0 7 7 7 5 16 0 7 7 7 5 16 9 0 7 7 7 5 15 16 90 0 0 7 7 7 5 15 10 90	6 0 No. Of Pipes C 6 4 4 4 9 0 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	238 200 No. Of Chambers D 13 6 7 7 6 6 17 3 7 7 5 16 6 7 7 8 8 7 7 5 16 5 16 7 7 15 16 370 7 7 15 16 8 8 7 7 17 8 8 7 7 90	142.5 800 E=(A*B+C*D) *2m chamber length -312 -96 -312 -96 -306 0 -168 -360 -384 -112 -96 -384 -112 -96 -384 -112 -96 -360 1480 776 720 1446 142.5 180
10 11 12 12 3 4 5 6 7 8 9 10 11 12 43 4 4 5 5 6 7	J.M.1st Cross Road-Crossing Duct Mission Street Road-Extn. Deduction of Chambers length GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 3rd Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road Mission Street Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. Providing and laying Dia 160mm HDPE Electrical pipe Conduits with Silicore Lubricant inner layer with ribs, dimensional ratio of 13.5,Deflection not greater than 5% when exposed to the normal operating temparature 90°C under the over burden soil presuure and other physical properties comforming to ASTMF 2160 and /or NEMA TC7.The expected service life of HDPE pipe conduits and accessories shall not be less than 50 years.(Market Rate) GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road GHS Cross Road Vithoba Temple Road Other Power Road-Cross Ducting Maidan 3rd Cross Road	Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt	0 19 4 No. Of Pipes A 6 4 4 4 0 0 0 6 6 6 6 6 6 6 6 6 6 6 6 2 2 2 2 2 2 0 19 0 0 2 2 2 0 19 0 0 2 2 0 19 0 0 19 0 0 19 19 19 19 19 19 19 19 19 19	0 7.5 200 No. Of Chambers B 13 6 7 6 0 3 7 7 15 16 7 0 0 3 7 7 5 16 0 0 7 7 Total Qty. Total Qty. RHS 370 7 7 5 90 186	6 0 No. Of Pipes C 6 4 4 4 4 9 0 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	238 200 No. Of Chambers D 13 6 7 7 6 13 6 7 7 15 16 7 7 15 16 7 7 15 16 7 7 15 16 370 7 7 15 16 17 8 370 178 194 180 2482 90 186	142.5 800 E=(A*B+C*D) *2m chamber length -312 -96 -312 -96 -306 0 -168 -360 -384 -112 -96 -384 -112 -96 -56 28493.50 1480 712 776 720 1446 142.5 180 744
10 11 12 12 3 4 5 6 7 7 8 9 10 11 12 43 43 43 43 5 5 6	J.M.1st Cross Road-Crossing Duct Mission Street Road-Extn. Deduction of Chambers length GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Midan 3rd Cross Road Midan 3rd Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Mission Street Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. Providing and laying Dia 160mm HDPE Electrical pipe Conduits with Silicore Lubricant inner layer with ribs, dimensional ratio of 13.5,Deflection not greater than 5% when exposed to the normal operating temparature 90°C under the over burden soil presuure and other physical properties comforming to ASTMF 2160 and /or NEMA TC7.The expected service life of HDPE pipe conduits and accessories shall not be less than 50 years.(Market Rate) GHS Road P.M.Rao Road Sharavu Temple Road Cross Road Vithoba Temple Road Cross Road Vithoba Temple Road Vithoba Temple Road-Cross Ducting Miadan 1st Cross Road	Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt Rmt	0 19 4 No. Of Pipes A 6 4 4 4 0 0 0 6 6 6 6 6 6 6 6 4 4 0 0 0 0 0 0 0 0 0 0 0 0 0	0 7.5 200 No. Of Chambers B 13 6 7 6 0 3 7 7 5 16 0 3 7 7 5 16 0 7 7 5 16 0 7 7 7 5 16 0 7 7 7 5 16 0 7 7 7 5 16 9 0 7 7 7 5 15 16 90 0 0 7 7 7 5 15 10 90	6 0 No. Of Pipes C 6 4 4 4 9 0 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	238 200 No. Of Chambers D 13 6 7 7 6 6 17 3 7 7 5 16 6 7 7 8 8 7 7 5 16 5 16 7 7 15 16 370 7 7 15 16 8 8 7 7 17 8 8 7 7 90	142.5 800 E=(A*B+C*D) *2m chamber length -312 -96 -306 0 -168 -306 0 -168 -360 -384 -112 -96 -360 -384 -112 -96 -360 -384 -384 -112 -96 -306 0 -168 -360 -384 -112 -96 -370 -148 -370 -384 -112 -96 -370 -384 -370 -384 -370 -384 -370 -384 -370 -370 -370 -370 -370 -370 -370 -370

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Sr. No.	Description	Unit	No's	L	В	Н	Qty.
10	Maidan 4th Cross Road-Extn.	Rmt	2	195	2	195	780
11	J.M.1st Cross Road	Rmt	0	0	3	238	714
	J.M.1st Cross Road-Crossing Duct	Rmt	10	7.5			75
12	Mission Street Road-Extn.	Rmt	0		2	200	400
- 12	Deduction of Chambers length	TXIII.	No. Of	No. Of	No. Of	No. Of	400
						Chambers	
			Pipes	Chambers	Pipes	Champers	
							E=(A*B+C*D)
							*2m chamber
			A	В	С	D	length
1	GHS Road	Rmt	2	13	2	13	-104
2	P.M.Rao Road	Rmt	2	6	2	6	-48
3	Sharavu Temple Road	Rmt	2	7	2	7	-56
4	GHS Cross Road	Rmt	2	6	2	6	-48
5	Vithoba Temple Road	Rmt	0	0	3	17	-102
6	Maidan 1st Cross Road	Rmt	0	3	2	3	-12
			-	7	2		
7	Maidan 3rd Cross Road	Rmt	2			7	-56
8	Bibi Alabi Road	Rmt	2	15	2	15	-120
9	Bibi Alabi - Kanadak Road	Rmt	2	16	2	16	-128
10	Maidan 4th Cross Road-Extn.	Rmt	2	7	2	7	-56
11	J.M.1st Cross Road	Rmt	0			. 8	-48
			-			-	
12	Mission Street Road-Extn.	Rmt	0		2	7	-28
		Rmt		Total Qty.			10963.50
				İ			
	Providing and Eiving Spacers for Bower Ducto of size 205 mm, to be pleased at an						
1	Providing and Fixing Spacers for Power Ducts of size 225 mm, to be placed at an						
4.4	interval of 1.5 meter. Spacers shall be made of ABS raw material.						
44	(Market rate)						
1							
				RHS	LHS		
1	GHS Road	Rmt	1	370	370		740
2	P.M.Rao Road	Rmt	1	178	178		356
3	Sharavu Temple Road	Rmt	1	194	194		388
4							360
	GHS Cross Road	Rmt	1	180	180		
5	Vithoba Temple Road	Rmt	1	0	482		482
6	Maidan 1st Cross Road	Rmt	1	0	0		0
7	Maidan 3rd Cross Road	Rmt	1	186	186		372
					440		
8	Bibi Alabi Road	Rmt	1	440	-		880
9	Bibi Alabi - Kanadak Road	Rmt	1	460	460		920
10	Maidan 4th Cross Road-Extn.	Rmt	1	195	195		390
11	J.M.1st Cross Road	Rmt	1	0	238		238
12			1	-	200		200
12	Mission Street Road-Extn.	Rmt	1	200	0		
							5326.00
	No. of Spacer=Total Length of Pipe / 1.5m	Nos.			Total Qty	Ι.	3551.00
	Providing and Fixing Spacers for Power Ducts of size 160 mm, to be placed at an						
	interval of 1.5 meter. Spacers shall be made of ABS raw material.						
45							
	(Market rate)						
				RHS	LHS		
1	GHS Road	Rmt	1	370	370		740
2	P.M.Rao Road	Rmt	1	178	178		
							356
3	Sharavu Temple Road	Rmt	1	194	194		388
4	GHS Cross Road	Rmt	1	180	180		360
5	Vithoba Temple Road	Rmt	1	0	482		482
6	Maidan 1st Cross Road	Rmt	1	0	90		90
7	Maidan 3rd Cross Road			186	186		372
		Rmt	1			-	
8	Bibi Alabi Road	Rmt	1	440	440		880
9	Bibi Alabi - Kanadak Road	Rmt	1	460	460		920
10	Maidan 4th Cross Road-Extn.	Rmt	1	195	195		390
11	J.M. 1st Cross Road	Rmt	1	0	238		238
				0			
12	Mission Street Road-Extn.	Rmt	1	0	200	-	200
							5416.00
	No. of Spacer=Total Length of Pipe / 1.5m	Nos.		Total Qty.			3611.00
1							
	Supplying 7-way 40mm HDPE pipe Multi-way Duct Silicore Lubricant inner layer for	İ	İ	ĺ			
1	ICT fibre cables comforming to ASTMF 2160 and /or equivalent indian standard and						
1							
40	conveying to work site including loading and unloading at both destination and						
46	rolling, lowering into trenches, laying true to line and jointing of pipe etc. Complete.						
1	(Market Rate)						
1							
1				RHS	LHS		
1	GHS Road	Rmt	1	370	370		740
2	P.M.Rao Road	Rmt	1	178	178		356
3	Sharavu Temple Road			194	173		388
		Rmt	1				
4	GHS Cross Road	Rmt	1	180	180		360
5	Vithoba Temple Road	Rmt	1	0	482		482
	Vithoba Temple Road-Crossing	Rmt	10	7.5			75
6	Maidan 1st Cross Road			90	00		180
6		Rmt	1		90		
7	Maidan 3rd Cross Road	Rmt	1	186	186		372
8	Bibi Alabi Road	Rmt	1	440	440		880
9	Bibi Alabi - Kanadak Road	Rmt	1	460	460		920
10	Maidan 4th Cross Road-Extn.	Rmt	1	195	195		390
			1				
11	J.M.1st Cross Road	Rmt	1	0	238		238
	J.M.1st Cross Road-Cross Road	Rmt	4.76	7.5	<u> </u>		35.7
12	Mission Street Road-Extn.	Rmt	1	200	200		400
		Rmt			Total Qty	/	5816.70
		witt					3010.70
<u> </u>							
		L		<u> </u>			

Sr. No.	Description	Unit	No's	L	В	Н	Qty.
	Supplying and Application charges required for stamping the freshly laid new concrete						
47	(Concrete rate is not included in this item) including finishing and colouring the top surface accurately to the required level, shape and size using approved colour shade						
47	and staping it using approved stamp pattern and antiquitting it on top with approved						
	colour.Sealing entire area with concrete sealer.						
	Footpath						
	Road No.1-GHS Road						
	LHS						
	Ch.0.0 to Ch.95.00 Ch.100.0 to Ch.260.00	Sqm Sqm	1	95.00 160.00	2.73 3.23		259.35 516.8
	Ch.270.0 to Ch.270.00	Sqm	1	100.00	2.97		297
	RHS						
	Ch.0.0 to Ch.140.00	Sqm	1	140.00	2.30		322
	Ch.150.0 to Ch.280.0 Ch.290.0 to Ch.390.0	Sqm Sqm	1	130.00 100.00	3.18 3.68		413.4 368
		Uqin		100.00	0.00		
	Road No.2-P.M.Rao Road						
	LHS Ch.00.0 to Ch.170.0	Sqm	1	170.00	2.83		481.1
	RHS	Oqm	1	170.00	2.00		401.1
	Ch.00.0 to Ch.170.0	Sqm	1	170	3.76		639.2
	Des 1No 0 Observer Terrelo Des 1						
	Road No.3-Sharavu Temple Road LHS						
	Ch.0.0 to Ch.170.0	Sqm	1	170.00	2.82		479.4
	RHS						
	Ch.0.0 to Ch.50.0	Sqm	1	50.00	4.23		211.5
	Ch.55.0 to Ch.90.0 Ch.100.0 to Ch.142.0	Sqm Sqm	1	35.00 42.00	2.84 3.55		99.4 149.1
	01.100.0 10 01.142.0	Oqm	· ·	42.00	0.00		143.1
	Road No.4-Sharavu Temple Road						
		0	4	50.00	2.55		477 5
	Ch.0.0 to Ch.50.0 Ch.90.0 to Ch.185.00	Sqm Sqm	1	50.00 95.00	3.55 2.68		177.5 254.6
	RHS	Oqin		00.00	2.00		20110
	Ch.0.0 to Ch.35.0	Sqm	1	35.00	1.90		66.5
	Ch.50.0 to Ch.180.0	Sqm	1	130.00	2.34		304.2
	Road No.7-Maidan 1st Cross Road						
	LHS						
	Ch.0.0 to Ch.92.00	Sqm	1	92.00	3.45		317.4
	RHS At Ch.0.00	Cam	1	20.00	2.61		52.2
	Ch.0.0 to Ch.92.00	Sqm Sqm	1	20.00 92	2.01		248.4
				-			
	Road No.8-Maidan 3rd Cross Road						
	LHS Ch.20.0 to Ch.180.0	Sqm	1	160.00	2.80		448
	RHS	Oqm	'	100.00	2.00		
	Ch.0.0 to Ch.180.0	Sqm	1	180.00	3.11		559.8
	Road No.9 Bibi Alabi Road						
	LHS						
	Ch.0.0 to Ch.200.00	Sqm	1	200.00	5.38		1076
	Ch.210.00 to Ch.320.00	Sqm	1	110.00	5.61		617.1
	Ch.330.0 to Ch.430.00 RHS	Sqm	1	100.00	6.75		675
	Ch.30.00 to Ch.160.00	Sqm	1	130.00	4.48		582.4
	Ch.170.00 to Ch.340.00	Sqm	1	170.00	4.75		807.5
	Ch.345.00 to Ch.430.00	Sqm	1	85.00	4.41		374.85
	Road No.10-Bibi Alabi - Kandak Road						
	LHS						
	Ch.0.0 to Ch.145.0	Sqm	1	145.00	1.49		216.05
	Ch.55.00 to Ch.165.0	Sqm	1	110.00	0.15		16.5
	Ch.185.00 to Ch.230.0 Ch.320.00 to Ch.405.00	Sqm Sqm	1	45.00 85.00	1.58 3.87		71.1 328.95
	Ch.425.00 to Ch.460.0	Sqm	1	35.00	3.54		123.9
	RHS						
	Ch.40.0 to Ch.260.0	Sqm	1	220.00	1.50		330
	Ch.270.0 to Ch.290.0 Ch.305.0 to Ch.460.0	Sqm Sqm	1	20.00 155.00	3.45 3.11		69 482.05
	01.000.0 10 01.400.0	Oqm	1	133.00	0.11		402.00
	Road No.11-Maidan 4th Cross Road-Extn.						
		Cart	4	475.00	0.44		E 4 4 0 E
	Ch.25.0 to Ch.200.00 RHS	Sqm	1	175.00	3.11		544.25
	Ch.0.0 to Ch.200.00	Sqm	1	175.00	3.18		556.5
	Road No.13-J.M.1st Cross Road						
	LHS Ch.160.0 to Ch.170.0	Sqm	1	10.00	1.91		19.1
	Ch.175.0 to Ch.200.0	Sqm	1	25.00	2.51		62.75
	Ch.218.0 to Ch.227	Sqm	1	9.00	1.31		11.79
	RHS		1	00.00	0.07		<u> </u>
			. 1		., ., ., ., ., ., ., ., ., ., ., ., ., .		. 691
	Ch.160.0 to Ch.190.0	Sqm		30.00	2.27		68.1

Sr. No.	Description	Unit	No's	L	В	Н	Qty.
	LHS Ch.0.0 to Ch.20.00	C.a.m	1	20.00	1.10		22
	RHS	Sqm		20.00	1.10		
	Ch.20.0 to Ch.90.0	Sqm	1	70.00	1.80		126
	Ch.180.0 to Ch.200	Sqm	1	20.00	1.85		37
		Sqm			Total Qty	•	13882.74
48.00	Cutting of Control joints panels(in Footpath) at suitable required locations using using tools and tackles.						
	Footpath Road No.1-GHS Road						
	LHS						
	Ch.0.0 to Ch.95.00	Rm	27		2.73		73.7
	Ch.100.0 to Ch.260.00	Rm	46		3.23		148.5
	Ch.270.0 to Ch.370.00	Rm	29		2.97		86.1
	RHS Ch.0.0 to Ch.140.00	Rm	40		2.3		9
	Ch.150.0 to Ch.280.0	Rm	37		3.18		117.6
	Ch.290.0 to Ch.390.0	Rm	29		3.68		106.7
	Road No.2-P.M.Rao Road LHS						
	Ch.00.0 to Ch.170.0	Rm	49		2.83		138.6
	RHS	T NIT			2.00		100.0
	Ch.00.0 to Ch.170.0	Rm	49		3.76		184.24
	Road No.3-Sharavu Temple Road						
	LHS						
	Ch.0.0 to Ch.170.0	Rm	49		2.82		138.1
	RHS Ch.0.0 to Ch.50.0	Rm	14		4.23		59.22
	Ch.55.0 to Ch.90.0	Rm	14		2.84		28.4
	Ch.100.0 to Ch.142.0	Rm	12		3.55		42.
	Road No.4-Sharavu Temple Road LHS						
	Ch.0.0 to Ch.50.0	Rm	14		3.55		49.
	Ch.90.0 to Ch.185.00	Rm	27		2.68		72.3
	RHS	_					
	Ch.0.0 to Ch.35.0	Rm	10		1.9		1
	Ch.50.0 to Ch.180.0	Rm	37		2.34		86.58
	Road No.7-Maidan 1st Cross Road						
	LHS						
	Ch.0.0 to Ch.92.00	Rm	26		3.45		89.
	RHS At Ch.0.00	Rm	6		2.61		15.6
	Ch.0.0 to Ch.92.00	Rm	26		2.01		70.
	Road No.8-Maidan 3rd Cross Road						
	LHS	-					
	Ch.20.0 to Ch.180.0 RHS	Rm	46		2.8		128.8
	Ch.0.0 to Ch.180.0	Rm	51		3.11		158.6 ⁻
	Dead Ne O Diki Aleki Dead						
	Road No.9 Bibi Alabi Road LHS						
	Ch.0.0 to Ch.200.00	Rm	57		5.38		306.6
	Ch.210.00 to Ch.320.00	Rm	31		5.61		173.9
	Ch.330.0 to Ch.430.00	Rm	29		6.75		195.7
	RHS Ch.30.00 to Ch.160.00	Rm	37		4.48		165.7
	Ch.170.00 to Ch.340.00	Rm	49		4.75		232.7
	Ch.345.00 to Ch.430.00	Rm	24		4.41		105.8
	Dead No 10 Bibi Alabi Kandak Bood						
	Road No.10-Bibi Alabi - Kandak Road LHS						
	Ch.0.0 to Ch.145.0	Rm	41		1.49		61.0
-	Ch.55.00 to Ch.165.0	Rm	31		0.15		4.6
	Ch.185.00 to Ch.230.0	Rm	13		1.58		20.5
	Ch.320.00 to Ch.405.00 Ch.425.00 to Ch.460.0	Rm Rm	24 10		3.87 3.54		92.8 35.
	RHS	RIII	10		3.04		35.
	Ch.40.0 to Ch.260.0	Rm	63		1.5		94.
	Ch.270.0 to Ch.290.0	Rm	6		3.45		20.
	Ch.305.0 to Ch.460.0	Rm	44		3.11		136.8
	Road No.11-Maidan 4th Cross Road-Extn.						
	LHS						1
	Ch.25.0 to Ch.200.00	Rm	50		3.11		155.
	RHS Ch.0.0 to Ch.200.00	Rm	50		3.18		159
		i XIII	50		5.10		108
	Road No.13-J.M.1st Cross Road LHS						
							1

Sr. No.	Description	Unit	No's	L	В	Н	Qty.
	Ch.175.0 to Ch.200.0	Rm	7		2.51		17.57
	Ch.218.0 to Ch.227 RHS	Rm	3		1.31		3.93
	Ch.160.0 to Ch.190.0	Rm	9		2.27		20.43
		T T T T	Ű		2.21		20.40
	Road No.15-Mission Street Road Extn.						
	LHS						
	Ch.0.0 to Ch.20.00	Rm	6		1.1		6.6
	RHS Ch.20.0 to Ch.90.0	Rm	20		1.8		36
	Ch.180.0 to Ch.200	Rm	6		1.85		11.1
			Ĵ			Total	3969.85
49	Providing and laying heavy duty cobble stones 75mm thick, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 30mm 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. (KPWD SR 2018-19,SI No : 14.7)						
ļ	Flush Footpath with Carriageway						
	Road No.1-GHS Road						
	RHS	0		10	0.04		0.70
	Level Footpath-Ch.270.00 to Ch.288.00 LHS	Sqm	1	18	0.21		3.78
	Level Footpath-Ch.260.0 to Ch.268.00	Sqm	1	8	0.40		3.2
							0.2
	Parking-Ch.180.0 to Ch.260.0	Sqm	1	82	2.50		205
	Parking-Ch.320.0 to Ch.350.0	Sqm	1	30	2.50		75
	Road No.2-P.M.Rao Road		├				
	Parking-LHS-Ch.10.00 to Ch.50.00	Sqm	1	36.2	2.50		90.5
	Parking-RHS-Ch.50.00 to Ch.75.00	Sqm	1	29	2.50		72.5
	0						
	Road No.3-Sharavu Temple Road						
	RHS	Carro	4	00	0.70		110
	Level Footpath-Ch.165.00 to Ch.185.0 Parking-Ch.15.00 to Ch.33.0	Sqm Sqm	1	20 18	0.73 2.50		14.6 45
	Parking-Ch.68.00 to Ch.82.0	Sqm	1	16.4	2.50		43
		oqm		10.1	2.00		
	LHS						
	Level Footpath-Ch.140.00 to Ch.180.0	Sqm	1	40	1.18		47.2
	Parking-Ch.15.0 to Ch.42.0	Sqm	1	30	2.50		75
	Parking-Ch.65.0 to Ch.85.0	Sqm	1	20	2.50		50
	Road No.4-G.H.S. Cross Road						
	RHS						
	Ch.35.00 to Ch.50.0	Sqm	1	15	1.27		19.05
	LHS	Carro	4	40	1.10		
	Ch.65.0 to Ch.90.0	Sqm	1	40	1.10		44
	Road No.5-Vithoba Temple Road						
	LHS						
	Ch.15.0 to Ch.212.0	Sqm	1	197	1.41		277.77
	Ch.215.0 to Ch.485.0	Sqm	1	270	1.44		388.8
	DUC						
	RHS Ch.15.0 to Ch.485.0	Sqm	1	470	1.61		756.7
		.					
						_	_
	Road No.8-Maidan 3rd Cross Road		ļ]				
	Parking	Sqm	1	30.6	2.50		76.5
	Road No.9-Bibi Alabi Road						
	LHS						
	Level Footpath-Ch.0.0 to Ch.38.0	Sqm	1	40	1.58		63.2
	Level Footpath-Ch.138.0 to Ch.218.0	Sqm	1	80	1.50		120
	Level Footpath-Ch.248.0 to Ch.260.0	Sqm	1	12	1.54		18.48
	Level Footpath-Ch.288.0 to Ch.308.0 Parking-Ch.55.00 to Ch. 130.0	Sqm Sqm	1	20 75.00	1.29 2.50		25.8 187.5
	Parking-Ch.140.0 to Ch.150.0	Sqm	1	10.50	2.50		26.25
	RHS						
	Level Footpath-Ch.5.00to Ch.40.0	Sqm	1	35.00	1.35		47.25
	Level Footpath-Ch.160.00 to Ch.210.0	Sqm	1	50.00	1.21		60.5
	Level Footpath-Ch.240.0 to Ch.320.0 Level Footpath-Ch.400.0 to Ch.430.0	Sqm Sqm	1	80.00 30	1.28 1.11		102.4 33.3
	Level Footpath-Ch.455.0 to Ch.465.0	Sqm	1	10	2.42		24.2
				10	L. 7L		27.2
	Road No.10-Bibi Alabi-Kandak Road						
	RHS						
	Ch.12.0 to Ch.38.0	Sqm	1	26	0.41		10.66
	LHS	\$am	4	20.00	0.46		
	Ch.168.0 to Ch.188.0	Sqm Sqm	1	20.00	0.46		9.2
		Sqm Sqm Sqm	1 1 1	20.00 20.00 30.00	0.46 0.31 0.52		9.2 6.2 15.6

Sr. No.	Description Ch.400.0 to Ch.425.0	Unit Sqm	No's	L 25.00	B 1.11	Н	Qty. 27.75
	Road No.11-Maidan 4th Cross Road-Extn						
	LHS						
	Ch.90.0 to Ch.180.0 Ch.30.0 to Ch.50.0	Sqm Sqm	1	90.00 20.00	0.80		72 21.4
	RHS	oqiii	1	20.00	1.07		21.4
	Ch.70.0 to Ch.80.0	Sqm	1	10.00	0.23		2.3
	Ch.115.0 to Ch.185.0	Sqm	1	70.00	1.31		91.7
	Parking-LHS	Sqm	1	46.80	2.50		117
	Parking-RHS Parking-RHS	Sqm Sqm	1	60.00 53.20	2.50 2.50		150 133
		oqiii		00.20	2.00		100
	Road No.13-J.M 1st Cross Road LHS						
	Ch.0.0 to Ch.90.0	Sqm	1	90.00	1.10		99
	Ch.95.0 to Ch.130.0	Sqm	1	40.00	0.56		22.4
	Ch.200.0 to Ch.220.0 Ch.230.0 to Ch.235.0	Sqm Sqm	1	20.00 5.00	0.24 4.37		4.8 21.85
	RHS	oqiii		0.00	1.07		21.00
	Ch.0.0 to Ch.130.0 Ch.200.0 to Ch.240.0	Sqm	1	130.00	1.00		130
	Ch.200.0 to Ch.240.0	Sqm	1	40.00	0.50		20
	Road No.15-Mission Street Road						
	LHS Ch.20.0 to Ch.90.0	Sqm	1	70.00	1.52		106.4
	Ch.120.0 to Ch.190.0 Ch.120.0 to Ch.190.0	Sqm	1	70.00	1.52		75.6
	RHS						
	Ch.130.0 to Ch.180.0	Sqm	1	50.00	1.05		52.5
	Two Wheeler Parking						
	Road No.2-PM Rao Road						
	LHS Ch.55.0 to Ch.135.0	Sqm	1	80.00	1.40		112
	RHS						
	Ch.7.00 to Ch.42.00 Ch.109.0 to Ch.132.0	<u>Sqm</u> Sqm	1	36.90 24.60	1.40 1.40		51.66 34.44
-	Ch. 109.0 10 Ch. 132.0	Sqm	1	24.00	1.40		34.44
	Road No.3 Sharavu Temple Road						
	RHS Ch.42.0 to Ch.62.0	Sqm	1	17.50	1.40		24.5
	LHS	oqiii		11.00	1.10		24.0
	Ch.111.0 to Ch. 125.0	Sqm	1	13.50	1.40		18.9
-	Road No.4 GHS Cross Road						
	RHS						
	Ch.80.0 to Ch.94.0 Ch.117.0 to Ch.154	Sqm Sqm	1	13.40 36.80	1.40 1.40		18.76 51.52
	LHS	oqn	1	30.00	1.40		51.52
	Ch.22.0 to Ch.40.0	Sqm	1	17.00	1.40		23.8
	Ch.112.0 to Ch.40.0 Ch.134.0 to Ch.159.0	Sqm Sqm	1	17.30 25.50	1.40 1.40		24.22 35.7
	Road No.8-Maidan 3rd Cross Road RHS						
	Ch.155.0 to Ch.170.0	Sqm	1	15.80	1.40		22.12
	LHS						
	Ch.120.0 to Ch.173.0	Sqm	1	52.20	1.40		73.08
	Road No.9-Bibi Alabi Road						
	Ch.277.0 to Ch.288.0	Sqm	1	12.50	1.40		17.5
	Table Top paver Block						
1	GHS Road	Sqm	1	7.50	3.00		22.5
2	P.M.Rao Road Sharavu Temple Road	Sqm Sqm	1	7.00 6.20	3.00 3.00		21 18.6
4	GHS Cross Road	Sqm	1	7.50	3.00		22.5
5	Vithoba Temple Road	Sqm	1	6.00	3.00		18
6 7	Maidan 1st Cross Road Maidan 3rd Cross Road	Sqm Sqm	1	9.00 7.00	3.00 3.00		27 21
8	Bibi Alabi Road	Sqm	3	17.00	3.00		153
9 10	Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn.	Sqm Sqm	1	6.00	3.00 3.00		18 21
10	J.M.1st Cross Road-Extr.	Sqm Sqm	1	7.00 4.50	3.00		21 13.5
12	Mission Street Road-Extn.	Sqm	1	6.70	3.00		20.1
		Sqm		 	Total Qty		5082.84
50	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications MORTH Specification No. 507 -using 100/120 TPH capacity H.M.P. with sensor paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen(KPWD 16-17,S.I.No.21.17.1,Page No.163)						
	16-17,S.I.No.21.17.1,Page No.163)						

Sr. No.	Description	Unit	No's	L	В	н	Qty.
	Table Top paver Block						
1	GHS Road	Cum	1	7.50	7.50	0.15	8.44
2	P.M.Rao Road	Cum	1	7.00	7.50	0.15	7.88
3	Sharavu Temple Road GHS Cross Road	Cum	1		7.50	0.15	6.98
4 5	Vithoba Temple Road	Cum Cum	1		7.50	0.15 0.15	8.44 6.75
6	Maidan 1st Cross Road	Cum	1		7.50	0.15	10.13
7	Maidan 3rd Cross Road	Cum	1		7.50	0.15	7.88
8	Bibi Alabi Road	Cum	3		7.50	0.15	57.38
9	Bibi Alabi - Kanadak Road	Cum	1		7.50	0.15	6.75
10	Maidan 4th Cross Road-Extn.	Cum	1	7.00	7.50	0.15	7.88
11	J.M.1st Cross Road	Cum	1	4.50	7.50	0.15	5.06
12	Mission Street Road-Extn.	Cum	1	6.70	7.50	0.15	7.54
		Cum			Total Qty		141.08
51	KSRRB M500-19. Providing and laying bituminous concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications. MORTH Specification No. 509 - using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 45 mm) with 6 % VG-40 Bitumen(KPWD 18-19,S.I.No.21.22.6)						
	Table Top paver Block						
1	GHS Road	Cum	1	7.50	7.50	0.04	2.25
2	P.M.Rao Road	Cum	1	7.00	7.50	0.04	2.10
3	Sharavu Temple Road	Cum	1		7.50	0.04	1.86
4	GHS Cross Road	Cum	1		7.50	0.04	2.25
5	Vithoba Temple Road	Cum	1		7.50	0.04	1.80
6	Maidan 1st Cross Road	Cum	1		7.50	0.04	2.70
7	Maidan 3rd Cross Road	Cum	1		7.50	0.04	2.10
8	Bibi Alabi Road	Cum Cum	3		7.50 7.50	0.04	15.30 1.80
10	Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn.	Cum	1		7.50	0.04	2.10
11	J.M.1st Cross Road	Cum	1	4.50	7.50	0.04	1.35
12	Mission Street Road-Extn.	Cum	1	6.70	7.50	0.04	2.01
		Cum			Total Qty		37.62
52	Sinages KSRRB M800-2. Retro-Reflectorised Traffic Signs - Manufacturing, Supply and Installation of retro-reflective cautionary, mandatory & Informatory signboards made out of cube corner micro prismatic grade sheeting confirming to type XI standards of IRC:67:2012 specifications & fixed over 4mm thick aluminium composite panel sheet having minimum 0.30 mm thick aluminum skin on both sides & fixed over a support frame of 25X25X3mm MS angle and mounted on 75 mm dia OR 75X75X6mm mild steel angle to Total height 2.70 m with clear height of not less than 2.10 m from the ground level to the bottom of the sign board & 60mm below ground level. the sign post should be painted with be coat of red oxide paint and two coats of synthetic enamel paint of black and white colour with bands of 30 cm height alternatively firmly fixed to the ground by means of foundation with M20 grade cement concrete of 45cmX45cmX60cm including cost & conveyance of all materials, equipment, machinery & labour with all leads and lifts, loading charges necessary for satisfactory completion of the works as directed be engineer in-charge. 10 years warranty for Retro Reflective Sheeting from the original sheeting manufactures as per clause 6.9 in IRC: 2012 & a certified copy of three years outdoor exposure report from an independent test lab for the product offered shall be obtained from the supplier. 900MM Equilateral Triangle-TYPE XI						
1	(KPWD 18-19,SI No : 24.2.1) GHS Road	Nos.	13				13.00
2	P.M.Rao Road	Nos.	6				6.00
3	Sharavu Temple Road	Nos.	3				3.00
4	GHS Cross Road	Nos.	4				4.00
5	Vithoba Temple Road	Nos.	11				11.00
6	Maidan 1st Cross Road	Nos.	3				3.00
7	Maidan 3rd Cross Road	Nos.	5				5.00
8 9	Bibi Alabi Road Bibi Alabi - Kapadak Road	Nos.	19 15				19.00 15.00
9 10	Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn.	Nos. Nos.	5				5.00
10	J.M.1st Cross Road	Nos.	10				10.00
12	Mission Street Road-Extn.	Nos.	10				11.00
		Nos.			Total Qty	<i>.</i>	105.00
			F				

Sr. No.	Description	Unit	No's	L	В	н	Qty.
51. 140.	KSRRB M800-2. Retro-Reflectorised Traffic Signs - Manufacturing, Supply and		110.3	-		- "	Giy.
	Installation of retro-reflective cautionary, mandatory & Informatory signboards made						
	out of cube corner micro prismatic grade sheeting confirming to type XI standards of						
	IRC:67:2012 specifications & fixed over 4mm thick aluminium composite panel sheet						
	having minimum 0.30 mm thick aluminum skin on both sides & fixed over a support						
	frame of 25X25X3mm MS angle and mounted on 75 mm dia OR 75X75X6mm mild						
	steel angle to Total height 2.70 m with clear height of not less than 2.10 m from the						
	ground level to the bottom of the sign board & 60mm below ground level. the sign post						
53	should be painted with be coat of red oxide paint and two coats of synthetic enamel						
	paint of black and white colour with bands of 30 cm height alternatively firmly fixed to						
	the ground by means of foundation with M20 grade cement concrete of						
	45cmX45cmX60cm including cost & conveyance of all materials, equipment,						
	machinery & labour with all leads and lifts, loading charges necessary for satisfactory						
	completion of the works as directed be engineer in-charge.						
	10 years warranty for Retro Reflective Sheeting from the original sheeting						
	manufactures as per clause 6.9 in IRC: 2012 & a certified copy of three years outdoor						
	exposure report from an independent test lab for the product offered shall be obtained						
	from the supplier.						
	900MM Octagon Stop Board-TYPE XI						
	(KPWD 18-19,SI No : 24.2.6)						
1	GHS Road	Nos.	1				1.00
2	P.M.Rao Road	Nos.	1				1.00
3	Sharavu Temple Road	Nos.	1				1.00
4	GHS Cross Road	Nos.	1				1.00
5	Vithoba Temple Road	Nos.	1				1.00
6	Maidan 1st Cross Road	Nos.	1				1.00
7	Maidan 3rd Cross Road	Nos.	1				1.00
8	Bibi Alabi Road	Nos.	2				2.00
9	Bibi Alabi - Kanadak Road	Nos.	1				1.00
10	Maidan 4th Cross Road-Extn.	Nos.	1				1.00
11	J.M.1st Cross Road	Nos.	1				1.00
12	Mission Street Road-Extn.	Nos.	1				1.00
		Nos.		Total Qty.			13.00
	KSRRB M800-2. Retro-Reflectorised Traffic Signs - Manufacturing, Supply and						
	Installation of retro-reflective cautionary, mandatory & Informatory signboards made						
	out of cube corner micro prismatic grade sheeting confirming to type XI standards of						
	IIR(:67:2012 specifications & tixed over 4mm thick aluminium composite panel sheet						
	IRC:67:2012 specifications & fixed over 4mm thick aluminium composite panel sheet						
	having minimum 0.30 mm thick aluminum skin on both sides & fixed over a support						
	having minimum 0.30 mm thick aluminum skin on both sides & fixed over a support frame of 25X25X3mm MS angle and mounted on 75 mm dia OR 75X75X6mm mild						
	having minimum 0.30 mm thick aluminum skin on both sides & fixed over a support frame of 25X25X3mm MS angle and mounted on 75 mm dia OR 75X75X6mm mild steel angle to Total height 2.70 m with clear height of not less than 2.10 m from the						
	having minimum 0.30 mm thick aluminum skin on both sides & fixed over a support frame of 25X25X3mm MS angle and mounted on 75 mm dia OR 75X75X6mm mild steel angle to Total height 2.70 m with clear height of not less than 2.10 m from the ground level to the bottom of the sign board & 60mm below ground level. the sign post						
54	having minimum 0.30 mm thick aluminum skin on both sides & fixed over a support frame of 25X25X3mm MS angle and mounted on 75 mm dia OR 75X75X6mm mild steel angle to Total height 2.70 m with clear height of not less than 2.10 m from the ground level to the bottom of the sign board & 60mm below ground level. the sign post should be painted with be coat of red oxide paint and two coats of synthetic enamel						
54	having minimum 0.30 mm thick aluminum skin on both sides & fixed over a support frame of 25X25X3mm MS angle and mounted on 75 mm dia OR 75X75X6mm mild steel angle to Total height 2.70 m with clear height of not less than 2.10 m from the ground level to the bottom of the sign board & 60mm below ground level. the sign post should be painted with be coat of red oxide paint and two coats of synthetic enamel paint of black and white colour with bands of 30 cm height alternatively firmly fixed to						
54	having minimum 0.30 mm thick aluminum skin on both sides & fixed over a support frame of 25X25X3mm MS angle and mounted on 75 mm dia OR 75X75X6mm mild steel angle to Total height 2.70 m with clear height of not less than 2.10 m from the ground level to the bottom of the sign board & 60mm below ground level. the sign post should be painted with be coat of red oxide paint and two coats of synthetic enamel paint of black and white colour with bands of 30 cm height alternatively firmly fixed to the ground by means of foundation with M20 grade cement concrete of						
54	having minimum 0.30 mm thick aluminum skin on both sides & fixed over a support frame of 25X25X3mm MS angle and mounted on 75 mm dia OR 75X75X6mm mild steel angle to Total height 2.70 m with clear height of not less than 2.10 m from the ground level to the bottom of the sign board & 60mm below ground level. the sign post should be painted with be coat of red oxide paint and two coats of synthetic enamel paint of black and white colour with bands of 30 cm height alternatively firmly fixed to the ground by means of foundation with M20 grade cement concrete of 45cmX45cmX60cm including cost & conveyance of all materials, equipment,						
54	having minimum 0.30 mm thick aluminum skin on both sides & fixed over a support frame of 25X25X3mm MS angle and mounted on 75 mm dia OR 75X75X6mm mild steel angle to Total height 2.70 m with clear height of not less than 2.10 m from the ground level to the bottom of the sign board & 60mm below ground level. the sign post should be painted with be coat of red oxide paint and two coats of synthetic enamel paint of black and white colour with bands of 30 cm height alternatively firmly fixed to the ground by means of foundation with M20 grade cement concrete of 45cmX45cmX60cm including cost & conveyance of all materials, equipment, machinery & labour with all leads and lifts, loading charges necessary for satisfactory						
54	having minimum 0.30 mm thick aluminum skin on both sides & fixed over a support frame of 25X25X3mm MS angle and mounted on 75 mm dia OR 75X75X6mm mild steel angle to Total height 2.70 m with clear height of not less than 2.10 m from the ground level to the bottom of the sign board & 60mm below ground level. the sign post should be painted with be coat of red oxide paint and two coats of synthetic enamel paint of black and white colour with bands of 30 cm height alternatively firmly fixed to the ground by means of foundation with M20 grade cement concrete of 45cmX45cmX60cm including cost & conveyance of all materials, equipment,						
54	having minimum 0.30 mm thick aluminum skin on both sides & fixed over a support frame of 25X25X3mm MS angle and mounted on 75 mm dia OR 75X75X6mm mild steel angle to Total height 2.70 m with clear height of not less than 2.10 m from the ground level to the bottom of the sign board & 60mm below ground level. the sign post should be painted with be coat of red oxide paint and two coats of synthetic enamel paint of black and white colour with bands of 30 cm height alternatively firmly fixed to the ground by means of foundation with M20 grade cement concrete of 45cmX45cmX60cm including cost & conveyance of all materials, equipment, machinery & labour with all leads and lifts, loading charges necessary for satisfactory						
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54	having minimum 0.30 mm thick aluminum skin on both sides & fixed over a support frame of 25X25X3mm MS angle and mounted on 75 mm dia OR 75X75X6mm mild steel angle to Total height 2.70 m with clear height of not less than 2.10 m from the ground level to the bottom of the sign board & 60mm below ground level. the sign post should be painted with be coat of red oxide paint and two coats of synthetic enamel paint of black and white colour with bands of 30 cm height alternatively firmly fixed to the ground by means of foundation with M20 grade cement concrete of 45cmX45cmX60cm including cost & conveyance of all materials, equipment, machinery & labour with all leads and lifts, loading charges necessary for satisfactory completion of the works as directed be engineer in-charge.						
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54	having minimum 0.30 mm thick aluminum skin on both sides & fixed over a support frame of 25X25X3mm MS angle and mounted on 75 mm dia OR 75X75X6mm mild steel angle to Total height 2.70 m with clear height of not less than 2.10 m from the ground level to the bottom of the sign board & 60mm below ground level. the sign post should be painted with be coat of red oxide paint and two coats of synthetic enamel paint of black and white colour with bands of 30 cm height alternatively firmly fixed to the ground by means of foundation with M20 grade cement concrete of 45cmX45cmX60cm including cost & conveyance of all materials, equipment, machinery & labour with all leads and lifts, loading charges necessary for satisfactory completion of the works as directed be engineer in-charge.						
54	having minimum 0.30 mm thick aluminum skin on both sides & fixed over a support frame of 25X25X3mm MS angle and mounted on 75 mm dia OR 75X75X6mm mild steel angle to Total height 2.70 m with clear height of not less than 2.10 m from the ground level to the bottom of the sign board & 60mm below ground level. the sign post should be painted with be coat of red oxide paint and two coats of synthetic enamel paint of black and white colour with bands of 30 cm height alternatively firmly fixed to the ground by means of foundation with M20 grade cement concrete of 45cmX45cmX60cm including cost & conveyance of all materials, equipment, machinery & labour with all leads and lifts, loading charges necessary for satisfactory completion of the works as directed be engineer in-charge.						
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	having minimum 0.30 mm thick aluminum skin on both sides & fixed over a support frame of 25X25X3mm MS angle and mounted on 75 mm dia OR 75X75X6mm mild steel angle to Total height 2.70 m with clear height of not less than 2.10 m from the ground level to the bottom of the sign board & 60mm below ground level. the sign post should be painted with be coat of red oxide paint and two coats of synthetic enamel paint of black and white colour with bands of 30 cm height alternatively firmly fixed to the ground by means of foundation with M20 grade cement concrete of 45cmX45cmX60cm including cost & conveyance of all materials, equipment, machinery & labour with all leads and lifts, loading charges necessary for satisfactory completion of the works as directed be engineer in-charge.						
1	having minimum 0.30 mm thick aluminum skin on both sides & fixed over a support frame of 25X25X3mm MS angle and mounted on 75 mm dia OR 75X75X6mm mild steel angle to Total height 2.70 m with clear height of not less than 2.10 m from the ground level to the bottom of the sign board & 60mm below ground level. the sign post should be painted with be coat of red oxide paint and two coats of synthetic enamel paint of black and white colour with bands of 30 cm height alternatively firmly fixed to the ground by means of foundation with M20 grade cement concrete of 45cmX45cmX60cm including cost & conveyance of all materials, equipment, machinery & labour with all leads and lifts, loading charges necessary for satisfactory completion of the works as directed be engineer in-charge. 10 years warranty for Retro Reflective Sheeting from the original sheeting manufactures as per clause 6.9 in IRC: 2012 & a certified copy of three years outdoor exposure report from an independent test lab for the product offered shall be obtained from the supplier. 600MM Circle-TYPE XI (KPWD 18-19,SI No : 24.2.3) GHS Road	Nos.	7				7.00
1 2	having minimum 0.30 mm thick aluminum skin on both sides & fixed over a support frame of 25X25X3mm MS angle and mounted on 75 mm dia OR 75X75X6mm mild steel angle to Total height 2.70 m with clear height of not less than 2.10 m from the ground level to the bottom of the sign board & 60mm below ground level. the sign post should be painted with be coat of red oxide paint and two coats of synthetic enamel paint of black and white colour with bands of 30 cm height alternatively firmly fixed to the ground by means of foundation with M20 grade cement concrete of 45cmX45cmX60cm including cost & conveyance of all materials, equipment, machinery & labour with all leads and lifts, loading charges necessary for satisfactory completion of the works as directed be engineer in-charge. 10 years warranty for Retro Reflective Sheeting from the original sheeting manufactures as per clause 6.9 in IRC: 2012 & a certified copy of three years outdoor exposure report from an independent test lab for the product offered shall be obtained from the supplier. 600MM Circle-TYPE XI (KPWD 18-19,SI No : 24.2.3) GHS Road P.M.Rao Road	Nos. Nos.	5				5.00
1 2 3	having minimum 0.30 mm thick aluminum skin on both sides & fixed over a support frame of 25X25X3mm MS angle and mounted on 75 mm dia OR 75X75X6mm mild steel angle to Total height 2.70 m with clear height of not less than 2.10 m from the ground level to the bottom of the sign board & 60mm below ground level. the sign post should be painted with be coat of red oxide paint and two coats of synthetic enamel paint of black and white colour with bands of 30 cm height alternatively firmly fixed to the ground by means of foundation with M20 grade cement concrete of 45cmX45cmX60cm including cost & conveyance of all materials, equipment, machinery & labour with all leads and lifts, loading charges necessary for satisfactory completion of the works as directed be engineer in-charge. 10 years warranty for Retro Reflective Sheeting from the original sheeting manufactures as per clause 6.9 in IRC: 2012 & a certified copy of three years outdoor exposure report from an independent test lab for the product offered shall be obtained from the supplier. 600MM Circle-TYPE XI (KPWD 18-19,SI No : 24.2.3) GHS Road P.M.Rao Road Sharavu Temple Road	Nos. Nos. Nos.	5 6				5.00 6.00
1 2 3 4	having minimum 0.30 mm thick aluminum skin on both sides & fixed over a support frame of 25X25X3mm MS angle and mounted on 75 mm dia OR 75X75X6mm mild steel angle to Total height 2.70 m with clear height of not less than 2.10 m from the ground level to the bottom of the sign board & 60mm below ground level. the sign post should be painted with be coat of red oxide paint and two coats of synthetic enamel paint of black and white colour with bands of 30 cm height alternatively firmly fixed to the ground by means of foundation with M20 grade cement concrete of 45cmX45cmX60cm including cost & conveyance of all materials, equipment, machinery & labour with all leads and lifts, loading charges necessary for satisfactory completion of the works as directed be engineer in-charge.	Nos. Nos. Nos. Nos.	5 6 8				5.00 6.00 8.00
1 2 3 4 5	having minimum 0.30 mm thick aluminum skin on both sides & fixed over a support frame of 25X25X3mm MS angle and mounted on 75 mm dia OR 75X75X6mm mild steel angle to Total height 2.70 m with clear height of not less than 2.10 m from the ground level to the bottom of the sign board & 60mm below ground level. the sign post should be painted with be coat of red oxide paint and two coats of synthetic enamel paint of black and white colour with bands of 30 cm height alternatively firmly fixed to the ground by means of foundation with M20 grade cement concrete of 45cmX45cmX60cm including cost & conveyance of all materials, equipment, machinery & labour with all leads and lifts, loading charges necessary for satisfactory completion of the works as directed be engineer in-charge.	Nos. Nos. Nos. Nos. Nos.	5 6 8 13				5.00 6.00 8.00 13.00
1 2 3 4 5 6	having minimum 0.30 mm thick aluminum skin on both sides & fixed over a support frame of 25X25X3mm MS angle and mounted on 75 mm dia OR 75X75X6mm mild steel angle to Total height 2.70 m with clear height of not less than 2.10 m from the ground level to the bottom of the sign board & 60mm below ground level. the sign post should be painted with be coat of red oxide paint and two coats of synthetic enamel paint of black and white colour with bands of 30 cm height alternatively firmly fixed to the ground by means of foundation with M20 grade cement concrete of 45cmX45cmX60cm including cost & conveyance of all materials, equipment, machinery & labour with all leads and lifts, loading charges necessary for satisfactory completion of the works as directed be engineer in-charge. 10 years warranty for Retro Reflective Sheeting from the original sheeting manufactures as per clause 6.9 in IRC: 2012 & a certified copy of three years outdoor exposure report from an independent test lab for the product offered shall be obtained from the supplier. 600MM Circle-TYPE XI (KPWD 18-19,SI No : 24.2.3) GHS Road P.M.Rao Road Sharavu Temple Road Maidan 1st Cross Road	Nos. Nos. Nos. Nos. Nos. Nos.	5 6 8 13 4				5.00 6.00 8.00 13.00 4.00
1 2 3 4 5 6 7	having minimum 0.30 mm thick aluminum skin on both sides & fixed over a support frame of 25X25X3mm MS angle and mounted on 75 mm dia OR 75X75X6mm mild steel angle to Total height 2.70 m with clear height of not less than 2.10 m from the ground level to the bottom of the sign board & 60mm below ground level. the sign post should be painted with be coat of red oxide paint and two coats of synthetic enamel paint of black and white colour with bands of 30 cm height alternatively firmly fixed to the ground by means of foundation with M20 grade cement concrete of 45cmX45cmX60cm including cost & conveyance of all materials, equipment, machinery & labour with all leads and lifts, loading charges necessary for satisfactory completion of the works as directed be engineer in-charge. 10 years warranty for Retro Reflective Sheeting from the original sheeting manufactures as per clause 6.9 in IRC: 2012 & a certified copy of three years outdoor exposure report from an independent test lab for the product offered shall be obtained from the supplier. 600MM Circle-TYPE XI (KPWD 18-19,SI No : 24.2.3) GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road	Nos. Nos. Nos. Nos. Nos. Nos. Nos.	5 6 8 13 4 4				5.00 6.00 8.00 13.00 4.00 4.00
1 2 3 4 5 6 7 8	having minimum 0.30 mm thick aluminum skin on both sides & fixed over a support frame of 25X25X3mm MS angle and mounted on 75 mm dia OR 75X75X6mm mild steel angle to Total height 2.70 m with clear height of not less than 2.10 m from the ground level to the bottom of the sign board & 60mm below ground level. the sign post should be painted with be coat of red oxide paint and two coats of synthetic enamel paint of black and white colour with bands of 30 cm height alternatively firmly fixed to the ground by means of foundation with M20 grade cement concrete of 45cmX45cmX60cm including cost & conveyance of all materials, equipment, machinery & labour with all leads and lifts, loading charges necessary for satisfactory completion of the works as directed be engineer in-charge. 10 years warranty for Retro Reflective Sheeting from the original sheeting manufactures as per clause 6.9 in IRC: 2012 & a certified copy of three years outdoor exposure report from an independent test lab for the product offered shall be obtained from the supplier. 600MM Circle-TYPE XI (KPWD 18-19,SI No : 24.2.3) GHS Road P.M.Rao Road Sharavu Temple Road Maidan 1st Cross Road Maidan 3rd Cross Road Bibi Alabi Road	Nos. Nos. Nos. Nos. Nos. Nos. Nos. Nos.	5 6 8 13 4 4 4 7				5.00 6.00 8.00 13.00 4.00 4.00 7.00
1 2 3 4 5 6 7 8 9	having minimum 0.30 mm thick aluminum skin on both sides & fixed over a support frame of 25X25X3mm MS angle and mounted on 75 mm dia OR 75X75X6mm mild steel angle to Total height 2.70 m with clear height of not less than 2.10 m from the ground level to the bottom of the sign board & 60mm below ground level. the sign post should be painted with be coat of red oxide paint and two coats of synthetic enamel paint of black and white colour with bands of 30 cm height alternatively firmly fixed to the ground by means of foundation with M20 grade cement concrete of 45cmX45cmX60cm including cost & conveyance of all materials, equipment, machinery & labour with all leads and lifts, loading charges necessary for satisfactory completion of the works as directed be engineer in-charge. 10 years warranty for Retro Reflective Sheeting from the original sheeting manufactures as per clause 6.9 in IRC: 2012 & a certified copy of three years outdoor exposure report from an independent test lab for the product offered shall be obtained from the supplier. 600MM Circle-TYPE XI (KPWD 18-19,SI No : 24.2.3) GHS Road P.M.Rao Road Sharavu Temple Road Maidan 1st Cross Road Maidan 3rd Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Kanadak Road	Nos. Nos. Nos. Nos. Nos. Nos. Nos. Nos.	5 6 8 13 4 4 7 7 12				5.00 6.00 8.00 13.00 4.00 4.00 7.00 12.00
1 2 3 4 5 6 7 8 9 10	having minimum 0.30 mm thick aluminum skin on both sides & fixed over a support frame of 25X25X3mm MS angle and mounted on 75 mm dia OR 75X75X6mm mild steel angle to Total height 2.70 m with clear height of not less than 2.10 m from the ground level to the bottom of the sign board & 60mm below ground level. the sign post should be painted with be coat of red oxide paint and two coats of synthetic enamel paint of black and white colour with bands of 30 cm height alternatively firmly fixed to the ground by means of foundation with M20 grade cement concrete of 45cmX45cmX60cm including cost & conveyance of all materials, equipment, machinery & labour with all leads and lifts, loading charges necessary for satisfactory completion of the works as directed be engineer in-charge. 10 years warranty for Retro Reflective Sheeting from the original sheeting manufactures as per clause 6.9 in IRC: 2012 & a certified copy of three years outdoor exposure report from an independent test lab for the product offered shall be obtained from the supplier. 600MM Circle-TYPE XI (KPWD 18-19,SI No : 24.2.3) GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn.	Nos. Nos. Nos. Nos. Nos. Nos. Nos. Nos.	5 6 8 13 4 4 7 7 12 6				5.00 6.00 8.00 13.00 4.00 7.00 12.00 6.00
1 2 3 4 5 6 7 8 9 10 11	having minimum 0.30 mm thick aluminum skin on both sides & fixed over a support frame of 25X25X3mm MS angle and mounted on 75 mm dia OR 75X75X6mm mild steel angle to Total height 2.70 m with clear height of not less than 2.10 m from the ground level to the bottom of the sign board & 60mm below ground level. the sign post should be painted with be coat of red oxide paint and two coats of synthetic enamel paint of black and white colour with bands of 30 cm height alternatively firmly fixed to the ground by means of foundation with M20 grade cement concrete of 45cmX45cmX60cm including cost & conveyance of all materials, equipment, machinery & labour with all leads and lifts, loading charges necessary for satisfactory completion of the works as directed be engineer in-charge. 10 years warranty for Retro Reflective Sheeting from the original sheeting manufactures as per clause 6.9 in IRC: 2012 & a certified copy of three years outdoor exposure report from an independent test lab for the product offered shall be obtained from the supplier. 600MM Circle-TYPE XI (KPWD 18-19,SI No : 24.2.3) GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road	Nos. Nos. Nos. Nos. Nos. Nos. Nos. Nos.	5 6 8 13 4 4 7 7 12 6 10				$\begin{array}{c} 5.00 \\ \hline 6.00 \\ \hline 8.00 \\ \hline 13.00 \\ \hline 4.00 \\ \hline 4.00 \\ \hline 7.00 \\ \hline 12.00 \\ \hline 6.00 \\ \hline 10.00 \end{array}$
1 2 3 4 5 6 7 8 9 9 10	having minimum 0.30 mm thick aluminum skin on both sides & fixed over a support frame of 25X25X3mm MS angle and mounted on 75 mm dia OR 75X75X6mm mild steel angle to Total height 2.70 m with clear height of not less than 2.10 m from the ground level to the bottom of the sign board & 60mm below ground level. the sign post should be painted with be coat of red oxide paint and two coats of synthetic enamel paint of black and white colour with bands of 30 cm height alternatively firmly fixed to the ground by means of foundation with M20 grade cement concrete of 45cmX45cmX60cm including cost & conveyance of all materials, equipment, machinery & labour with all leads and lifts, loading charges necessary for satisfactory completion of the works as directed be engineer in-charge. 10 years warranty for Retro Reflective Sheeting from the original sheeting manufactures as per clause 6.9 in IRC: 2012 & a certified copy of three years outdoor exposure report from an independent test lab for the product offered shall be obtained from the supplier. 600MM Circle-TYPE XI (KPWD 18-19,SI No : 24.2.3) GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn.	Nos. Nos. Nos. Nos. Nos. Nos. Nos. Nos.	5 6 8 13 4 4 7 7 12 6		Total Qt		5.00 6.00 8.00 13.00 4.00 7.00 12.00 6.00

	Description	Unit	No'o		P	Н	041/
Sr. No.		Unit	No's	L	В	н	Qty.
	KSRRB M800-3. Direction and Place Identification Signs upto 0.9 sqm Size Board:-						
	Manufacturing, supply and installation of retro- reflectorised cautionary, mandatory						
	and informatory signboards made out of cube corner micro prismatic grade sheeting						
	confirming to type XI standards of IRC :67:2012 specifications & fixed over 4 mm thick						
	o <i>n</i>						
	aluminium composite panel sheet having minimun 0.30 thick aluminium skin on both						
	sides & fixed over a support frame of 25x25x3 mm MS angle and mounted on 75mm						
	dia OR 75x75x6mm Mild steel angle of total height 2.70m with clear height of not less						
	than 2.10 m from the ground level to the bottom of the sign board & 60 cm below						
	ground level. The sign post should be painted with one coat of red oxide paint and						
55.00	white colour with brands of 30 cm height alternatively firmly fixed to the ground by						
55.00	means of foundation with M20 grade cement concrete of 45 cm x45 cm x 60 cm						
	including cost & conveyance of all materials, equipment, machinery & labour with all						
	leads and lifts, loading charges necessary for satisfactory completion of the work as						
	directed by engineer in charge. 10 years warranty for retro reflective sheeting from the						
	original sheeting manufacturer as per clause 6.9 in IRC 2012 & a certified copy of						
	three years outdoor exposure report from an independent test lab for the product						
	offered shall be obtained from the supplier.						
	(KPWD 18-19,SI No : 24.3)						
				Area			
1	GHS Road	Sqm	6				5.40
2	P.M.Rao Road	Sqm	1				0.90
3	Sharavu Temple Road	Sqm	2				1.80
4	GHS Cross Road	Sqm	1	0.9			0.90
5	Vithoba Temple Road	Sqm	3				2.70
6	Maidan 1st Cross Road	Sqm	1				0.90
-						[
7	Maidan 3rd Cross Road	Sqm	1				0.90
8	Bibi Alabi Road	Sqm	1				0.90
9	Bibi Alabi - Kanadak Road	Sqm	6	0.9			5.40
10	Maidan 4th Cross Road-Extn.	Sqm	1				0.90
11	J.M.1st Cross Road	Sqm	1	0.9			0.90
			1			ļ	
12	Mission Street Road-Extn.	Sqm	1	0.9			0.90
		Sqm			Total Qty	/.	22.50
	Direction and Place Identification Signs with size more than 0.9 sqm Size Board:						
	Providing and erecting direction and place identification retro-reflectorised sign as per						
	IRC:67 made of high intensity grade sheeting vide Clause						
	801.3, fixed over aluminium sheeting, 2 mm thick with area exceeding						
	0.9 sqm supported on a mild steel single angle iron post 75 x 75 x						
56	6 mm, 2 Nos. firmly fixed to the ground by means of properly designed foundation with						
	M 15 grade cement concrete 45 x 45 x 60 em, 60 em below ground level as per						
	approved drawing.						
				Area			
1	GHS Road	Sqm	1				2.00
							2.00
2		Sam	1 1				2.00
2	P.M.Rao Road	Sqm	1	2			2.00
3	Sharavu Temple Road	Sqm	1	2			2.00
3	Sharavu Temple Road GHS Cross Road	Sqm Sqm	1	2			2.00 2.00
3	Sharavu Temple Road GHS Cross Road	Sqm Sqm Sqm	1	2			2.00
3	Sharavu Temple Road GHS Cross Road Vithoba Temple Road	Sqm Sqm Sqm	1	2			2.00 2.00 2.00
3 4 5 6	Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road	Sqm Sqm Sqm Sqm	1 1 1 1	2 2 2 2 2			2.00 2.00 2.00 2.00
3 4 5 6 7	Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 3rd Cross Road	Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 1	2 2 2 2 2 2 2			2.00 2.00 2.00 2.00 2.00
3 4 5 6 7 8	Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 3rd Cross Road Bibi Alabi Road	Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 1 3	2 2 2 2 2 2 2 2 2			2.00 2.00 2.00 2.00 2.00 6.00
3 4 5 6 7 8 9	Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 3rd Cross Road Bibi Alabi Road Bibi Alabi - Kanadak Road	Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 1 3 3	2 2 2 2 2 2 2 2 2 2 2			2.00 2.00 2.00 2.00 2.00 6.00 2.00
3 4 5 6 7 8 9 10	Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 3rd Cross Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn.	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 3 3 1 1	2 2 2 2 2 2 2 2 2 2 2 2			2.00 2.00 2.00 2.00 2.00 6.00 2.00 2.00
3 4 5 6 7 8 9	Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 3rd Cross Road Bibi Alabi Road Bibi Alabi - Kanadak Road	Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 1 3 3	2 2 2 2 2 2 2 2 2 2 2 2			2.00 2.00 2.00 2.00 2.00 6.00 2.00
3 4 5 6 7 8 9 10 11	Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 3rd Cross Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 3 3 1 1 1	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			2.00 2.00 2.00 2.00 6.00 2.00 2.00 2.00
3 4 5 6 7 8 9 10	Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 3rd Cross Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn.	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 3 3 1 1	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			2.00 2.00 2.00 2.00 6.00 2.00 2.00 2.00
3 4 5 6 7 8 9 10 11	Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 3rd Cross Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 3 3 1 1 1	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			2.00 2.00 2.00 2.00 6.00 2.00 2.00 2.00
3 4 5 6 7 8 9 10 11	Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 3rd Cross Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road Mission Street Road-Extn.	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 3 3 1 1 1	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			2.00 2.00 2.00 2.00 6.00 2.00 2.00 2.00
3 4 5 6 7 8 9 10 11	Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 3rd Cross Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. KSRRB M800-2. Retro-Reflectorised Traffic Signs - Manufacturing, supply and	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 3 3 1 1 1	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			2.00 2.00 2.00 2.00 6.00 2.00 2.00 2.00
3 4 5 6 7 8 9 10 11	Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 3rd Cross Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. KSRRB M800-2. Retro-Reflectorised Traffic Signs - Manufacturing, supply and installation of retro- reflectorised cautionary, mandatory and informatory signboards	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 3 3 1 1 1	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			2.00 2.00 2.00 2.00 6.00 2.00 2.00 2.00
3 4 5 6 7 8 9 10 11	Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 3rd Cross Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. KSRRB M800-2. Retro-Reflectorised Traffic Signs - Manufacturing, supply and	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 3 3 1 1 1	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			2.00 2.00 2.00 2.00 6.00 2.00 2.00 2.00
3 4 5 6 7 8 9 10 11	Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 3rd Cross Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. KSRRB M800-2. Retro-Reflectorised Traffic Signs - Manufacturing, supply and installation of retro- reflectorised cautionary, mandatory and informatory signboards made out of cube corner micro prismatic grade sheeting confirming to 600x800 MM	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 3 3 1 1 1	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			2.00 2.00 2.00 2.00 6.00 2.00 2.00 2.00
3 4 5 6 7 8 9 10 11	Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 3rd Cross Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. KSRRB M800-2. Retro-Reflectorised Traffic Signs - Manufacturing, supply and installation of retro- reflectorised cautionary, mandatory and informatory signboards made out of cube corner micro prismatic grade sheeting confirming to 600x800 MM type XI standards of IRC :67:2012 specifications & fixed over 4 mm thick aluminium	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 3 3 1 1 1	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			2.00 2.00 2.00 2.00 6.00 2.00 2.00 2.00
3 4 5 6 7 8 9 10 11	Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 3rd Cross Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. KSRRB M800-2. Retro-Reflectorised Traffic Signs - Manufacturing, supply and installation of retro- reflectorised cautionary, mandatory and informatory signboards made out of cube corner micro prismatic grade sheeting confirming to 600x800 MM type XI standards of IRC :67:2012 specifications & fixed over 4 mm thick aluminium composite panel sheet having minimun 0.30 thick aluminium skin on both sides & fixed	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 3 3 1 1 1	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			2.00 2.00 2.00 2.00 6.00 2.00 2.00 2.00
3 4 5 6 7 8 9 10 11	Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi - Kanadak Road Midan 4th Cross Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. KSRRB M800-2. Retro-Reflectorised Traffic Signs - Manufacturing, supply and installation of retro- reflectorised cautionary, mandatory and informatory signboards made out of cube corner micro prismatic grade sheeting confirming to 600x800 MM type XI standards of IRC :67:2012 specifications & fixed over 4 mm thick aluminium composite panel sheet having minimun 0.30 thick aluminium skin on both sides & fixed over a support frame of 25x25x3 mm MS angle and mounted on 75mm dia OR	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 3 3 1 1 1	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			2.00 2.00 2.00 2.00 6.00 2.00 2.00 2.00
3 4 5 6 7 8 9 10 11 12	Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 3rd Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. KSRRB M800-2. Retro-Reflectorised Traffic Signs - Manufacturing, supply and installation of retro- reflectorised cautionary, mandatory and informatory signboards made out of cube corner micro prismatic grade sheeting confirming to 600x800 MM type XI standards of IRC :67:2012 specifications & fixed over 4 mm thick aluminium composite panel sheet having minimun 0.30 thick aluminium skin on both sides & fixed over a support frame of 25x25x3 mm MS angle and mounted on 75mm dia OR 75x75x6mm Mild steel angle of total height 2.70m with clear height of not less than	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 3 3 1 1 1	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			2.00 2.00 2.00 2.00 6.00 2.00 2.00 2.00
3 4 5 6 7 8 9 10 11	Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 3rd Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. KSRRB M800-2. Retro-Reflectorised Traffic Signs - Manufacturing, supply and installation of retro- reflectorised cautionary, mandatory and informatory signboards made out of cube corner micro prismatic grade sheeting confirming to 600x800 MM type XI standards of IRC :67:2012 specifications & fixed over 4 mm thick alumininum composite panel sheet having minimun 0.30 thick alumininum skin on both sides & fixed over a support frame of 25x25x3 mm MS angle and mounted on 75mm dia OR 75x75x6mm Mild steel angle of total height 2.70m with clear height of not less than 2.10 m from the ground level to the bottom of the sign board & 60 cm below ground	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 3 3 1 1 1	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			2.00 2.00 2.00 2.00 6.00 2.00 2.00 2.00
3 4 5 6 7 8 9 10 11 12	Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 3rd Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. KSRRB M800-2. Retro-Reflectorised Traffic Signs - Manufacturing, supply and installation of retro- reflectorised cautionary, mandatory and informatory signboards made out of cube corner micro prismatic grade sheeting confirming to 600x800 MM type XI standards of IRC :67:2012 specifications & fixed over 4 mm thick aluminium composite panel sheet having minimun 0.30 thick aluminium skin on both sides & fixed over a support frame of 25x25x3 mm MS angle and mounted on 75mm dia OR 75x75x6mm Mild steel angle of total height 2.70m with clear height of not less than	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 3 3 1 1 1	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			2.00 2.00 2.00 2.00 6.00 2.00 2.00 2.00
3 4 5 6 7 8 9 10 11 12	Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 3rd Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. KSRRB M800-2. Retro-Reflectorised Traffic Signs - Manufacturing, supply and installation of retro- reflectorised cautionary, mandatory and informatory signboards made out of cube corner micro prismatic grade sheeting confirming to 600x800 MM type XI standards of IRC :67:2012 specifications & fixed over 4 mm thick aluminium composite panel sheet having minimun 0.30 thick aluminium skin on both sides & fixed over a support frame of 25x25x3 mm MS angle and mounted on 75mm dia OR 75x75x6mm Mild steel angle of total height 2.70m with clear height of not less than 2.10 m from the ground level to the bottom of the sign board & 60 cm below ground level. The sign post should be painted with one coat of red oxide paint and white	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 3 3 1 1 1	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			2.00 2.00 2.00 2.00 6.00 2.00 2.00 2.00
3 4 5 6 7 8 9 10 11 12	Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 3rd Cross Road Bibi Alabi Road Bibi Alabi Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road-Extn. J.M.1st Cross Road-Extn. KSRRB M800-2. Retro-Reflectorised Traffic Signs - Manufacturing, supply and installation of retro- reflectorised cautionary, mandatory and informatory signboards made out of cube corner micro prismatic grade sheeting confirming to 600x800 MM type XI standards of IRC :67:2012 specifications & fixed over 4 mm thick aluminium composite panel sheet having minimun 0.30 thick aluminium skin on both sides & fixed over a support frame of 25x25x3 mm MS angle and mounted on 75mm dia OR 75x75x6mm Mild steel angle of total height 2.70m with clear height of not less than 2.10 m from the ground level to the bottom of the sign board & 60 cm below ground level. The sign post should be painted with one coat of red oxide paint and white colour with brands of 30 cm height alternatively firmly fixed to the ground by means of	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 3 3 1 1 1	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			2.00 2.00 2.00 2.00 6.00 2.00 2.00 2.00
3 4 5 6 7 8 9 10 11 12	Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 3rd Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. KSRRB M800-2. Retro-Reflectorised Traffic Signs - Manufacturing, supply and installation of retro- reflectorised cautionary, mandatory and informatory signboards made out of cube corner micro prismatic grade sheeting confirming to 600x800 MM type XI standards of IRC :67:2012 specifications & fixed over 4 mm thick aluminium composite panel sheet having minimun 0.30 thick aluminium skin on both sides & fixed over a support frame of 25x25x3 mm MS angle and mounted on 75mm dia OR 75x75x6mm Mild steel angle of total height 2.70m with clear height of not less than 2.10 m from the ground level to the bottom of the sign board & 60 cm below ground level. The sign post should be painted with one coat of red oxide paint and white	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 3 3 1 1 1	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			2.00 2.00 2.00 2.00 6.00 2.00 2.00 2.00
3 4 5 6 7 8 9 10 11 12	Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 3rd Cross Road Bibi Alabi Road Bibi Alabi Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road-Extn. J.M.1st Cross Road-Extn. KSRRB M800-2. Retro-Reflectorised Traffic Signs - Manufacturing, supply and installation of retro- reflectorised cautionary, mandatory and informatory signboards made out of cube corner micro prismatic grade sheeting confirming to 600x800 MM type XI standards of IRC :67:2012 specifications & fixed over 4 mm thick aluminium composite panel sheet having minimun 0.30 thick aluminium skin on both sides & fixed over a support frame of 25x25x3 mm MS angle and mounted on 75mm dia OR 75x75x6mm Mild steel angle of total height 2.70m with clear height of not less than 2.10 m from the ground level to the bottom of the sign board & 60 cm below ground level. The sign post should be painted with one coat of red oxide paint and white colour with brands of 30 cm height alternatively firmly fixed to the ground by means of	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 3 3 1 1 1	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			2.00 2.00 2.00 2.00 6.00 2.00 2.00 2.00
3 4 5 6 7 8 9 10 11 12	Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 3rd Cross Road Bibi Alabi Road Bibi Alabi Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road-Extn. J.M.1st Cross Road-Extn. KSRRB M800-2. Retro-Reflectorised Traffic Signs - Manufacturing, supply and installation of retro- reflectorised cautionary, mandatory and informatory signboards made out of cube corner micro prismatic grade sheeting confirming to 600x800 MM type XI standards of IRC :67:2012 specifications & fixed over 4 mm thick aluminium composite panel sheet having minimun 0.30 thick aluminium skin on both sides & fixed over a support frame of 25x25x3 mm MS angle and mounted on 75mm dia OR 75x75x6mm Mild steel angle of total height 2.70m with clear height of not less than 2.10 m from the ground level to the bottom of the sign board & 60 cm below ground level. The sign post should be painted with one coat of red oxide paint and white colour with brands of 30 cm height alternatively firmly fixed to the ground by means of	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 3 3 1 1 1	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			2.00 2.00 2.00 2.00 6.00 2.00 2.00 2.00
3 4 5 6 7 8 9 10 11 12	Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 3rd Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. KSRRB M800-2. Retro-Reflectorised Traffic Signs - Manufacturing, supply and installation of retro- reflectorised cautionary, mandatory and informatory signboards made out of cube corner micro prismatic grade sheeting confirming to 600x800 MM type XI standards of IRC :67:2012 specifications & fixed over 4 mm thick aluminium composite panel sheet having minimun 0.30 thick aluminium skin on both sides & fixed over a support frame of 25x25x3 mm MS angle and mounted on 75mm dia OR 75x75x6mm Mild steel angle of total height 2.70m with clear height of not less than 2.10 m from the ground level to the bottom of the sign board & 60 cm below ground level. The sign post should be painted with one coat of red oxide paint and white colour with brands of 30 cm height alternatively firmly fixed to the ground by means of foundation with (KPWD18-19,24.2.4)	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 1 1 1 1 1 5	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			2.00 2.00 2.00 2.00 6.00 2.00 2.00 10.00 36.00
3 4 5 6 7 8 9 10 11 12	Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 3rd Cross Road Bibi Alabi Road Bibi Alabi Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road-Extn. J.M.1st Cross Road-Extn. KSRRB M800-2. Retro-Reflectorised Traffic Signs - Manufacturing, supply and installation of retro- reflectorised cautionary, mandatory and informatory signboards made out of cube corner micro prismatic grade sheeting confirming to 600x800 MM type XI standards of IRC :67:2012 specifications & fixed over 4 mm thick aluminium composite panel sheet having minimun 0.30 thick aluminium skin on both sides & fixed over a support frame of 25x25x3 mm MS angle and mounted on 75mm dia OR 75x75x6mm Mild steel angle of total height 2.70m with clear height of not less than 2.10 m from the ground level to the bottom of the sign board & 60 cm below ground level. The sign post should be painted with one coat of red oxide paint and white colour with brands of 30 cm height alternatively firmly fixed to the ground by means of	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 3 3 1 1 1	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			2.00 2.00 2.00 2.00 6.00 2.00 2.00 2.00
3 4 5 6 7 8 9 10 11 12 57	Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 3rd Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. KSRRB M800-2. Retro-Reflectorised Traffic Signs - Manufacturing, supply and installation of retro- reflectorised cautionary, mandatory and informatory signboards made out of cube corner micro prismatic grade sheeting confirming to 600x800 MM type XI standards of IRC :67:2012 specifications & fixed over 4 mm thick aluminium composite panel sheet having minimun 0.30 thick aluminium skin on both sides & fixed over a support frame of 25x25x3 mm MS angle and mounted on 75mm dia OR 75x75x6mm Mild steel angle of total height 2.70m with clear height of not less than 2.10 m from the ground level to the bottom of the sign board & 60 cm below ground level. The sign post should be painted with one coat of red oxide paint and white colour with brands of 30 cm height alternatively firmly fixed to the ground by means of foundation with (KPWD18-19,24.2.4) GHS Road	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm					2.00 2.00 2.00 2.00 6.00 2.00 2.00 10.00 36.00 36.00
3 4 5 6 7 8 9 10 11 12 57 57	Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 3rd Cross Road Bibi Alabi Road Bibi Alabi Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road-Extn. J.M.1st Cross Road-Extn. KSRRB M800-2. Retro-Reflectorised Traffic Signs - Manufacturing, supply and installation of retro- reflectorised cautionary, mandatory and informatory signboards made out of cube corner micro prismatic grade sheeting confirming to 600x800 MM type XI standards of IRC :67:2012 specifications & fixed over 4 mm thick aluminium composite panel sheet having minimun 0.30 thick aluminium skin on both sides & fixed over a support frame of 25x25x3 mm MS angle and mounted on 75mm dia OR 75x75x6mm Mild steel angle of total height 2.70m with clear height of not less than 2.10 m from the ground level to the bottom of the sign board & 60 cm below ground level. The sign post should be painted with one coat of red oxide paint and white colour with brands of 30 cm height alternatively firmly fixed to the ground by means of foundation with (KPWD18-19,24.2.4) GHS Road P.M.Rao Road	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm					2.00 2.00 2.00 2.00 6.00 2.00 2.00 10.00 36.00 36.00
3 4 5 6 7 8 9 10 11 12 57 57	Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 3rd Cross Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. J.M.1st Cross Road KSRRB M800-2. Retro-Reflectorised Traffic Signs - Manufacturing, supply and installation of retro- reflectorised cautionary, mandatory and informatory signboards made out of cube corner micro prismatic grade sheeting confirming to 600x800 MM type XI standards of IRC :67:2012 specifications & fixed over 4 mm thick aluminium composite panel sheet having minimun 0.30 thick aluminium skin on both sides & fixed over a support frame of 25x25x3 mm MS angle and mounted on 75mm dia OR 75x75x6mm Mild steel angle of total height 2.70m with clear height of not less than 2.10 m from the ground level to the bottom of the sign board & 60 cm below ground level. The sign post should be painted with one coat of red oxide paint and white colour with brands of 30 cm height alternatively firmly fixed to the ground by means of foundation with (KPWD18-19,24.2.4) GHS Road P.M.Rao Road P.M.Rao Road Sharavu Temple Road	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm					2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00
3 4 5 6 7 8 9 10 11 12 57 57	Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. KSRRB M800-2. Retro-Reflectorised Traffic Signs - Manufacturing, supply and installation of retro- reflectorised cautionary, mandatory and informatory signboards made out of cube corner micro prismatic grade sheeting confirming to 600x800 MM type XI standards of IRC :67:2012 specifications & fixed over 4 mm thick aluminium composite panel sheet having minimun 0.30 thick aluminium skin on both sides & fixed over a support frame of 25x25x3 mm MS angle and mounted on 75mm dia OR 75x75x6mm Mild steel angle of total height 2.70m with clear height of not less than 2.10 m from the ground level to the bottom of the sign board & 60 cm below ground level. The sign post should be painted with one coat of red oxide paint and white colour with brands of 30 cm height alternatively firmly fixed to the ground by means of foundation with (KPWD18-19,24.2.4) GHS Road P.M.Rao Road P.M.Rao Road Sharavu Temple Road GHS Cross Road GHS Cross Road	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 1 1 1 1 1 1 1 1 1 5 5 7 7 7 7				2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00
3 4 5 6 7 8 9 10 11 12 57 57	Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 3rd Cross Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. J.M.1st Cross Road KSRRB M800-2. Retro-Reflectorised Traffic Signs - Manufacturing, supply and installation of retro- reflectorised cautionary, mandatory and informatory signboards made out of cube corner micro prismatic grade sheeting confirming to 600x800 MM type XI standards of IRC :67:2012 specifications & fixed over 4 mm thick aluminium composite panel sheet having minimun 0.30 thick aluminium skin on both sides & fixed over a support frame of 25x25x3 mm MS angle and mounted on 75mm dia OR 75x75x6mm Mild steel angle of total height 2.70m with clear height of not less than 2.10 m from the ground level to the bottom of the sign board & 60 cm below ground level. The sign post should be painted with one coat of red oxide paint and white colour with brands of 30 cm height alternatively firmly fixed to the ground by means of foundation with (KPWD18-19,24.2.4) GHS Road P.M.Rao Road P.M.Rao Road Sharavu Temple Road	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm					2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00
3 4 5 6 7 8 9 10 11 12 57 57	Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. KSRRB M800-2. Retro-Reflectorised Traffic Signs - Manufacturing, supply and installation of retro- reflectorised cautionary, mandatory and informatory signboards made out of cube corner micro prismatic grade sheeting confirming to 600x800 MM type XI standards of IRC :67:2012 specifications & fixed over 4 mm thick aluminium composite panel sheet having minimun 0.30 thick aluminium skin on both sides & fixed over a support frame of 25x25x3 mm MS angle and mounted on 75mm dia OR 75x75x6mm Mild steel angle of total height 2.70m with clear height of not less than 2.10 m from the ground level to the bottom of the sign board & 60 cm below ground level. The sign post should be painted with one coat of red oxide paint and white colour with brands of 30 cm height alternatively firmly fixed to the ground by means of foundation with (KPWD18-19,24.2.4) GHS Road P.M.Rao Road P.M.Rao Road Sharavu Temple Road GHS Cross Road GHS Cross Road	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 1 1 1 1 1 1 1 1 1 5 5 7 7 7 7				2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00
$ \begin{array}{r} 3 \\ 4 \\ 5 \\ 6 \\ 7 \\ 8 \\ 9 \\ 10 \\ 11 \\ 12 \\ 5 \\ 57 \\ 5$	Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Maidan 1st Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. J.M.1st Cross Road KSRRB M800-2. Retro-Reflectorised Traffic Signs - Manufacturing, supply and installation of retro- reflectorised cautionary, mandatory and informatory signboards made out of cube corner micro prismatic grade sheeting confirming to 600x800 MM type XI standards of IRC :67:2012 specifications & fixed over 4 mm thick aluminium composite panel sheet having minimun 0.30 thick aluminium skin on both sides & fixed over a support frame of 25x25x3 mm MS angle and mounted on 75mm dia OR 75x75x6mm Mild steel angle of total height 2.70m with clear height of not less than 2.10 m from the ground level to the bottom of the sign board & 60 cm below ground level. The sign post should be painted with one coat of red oxide paint and white colour with brands of 30 cm height alternatively firmly fixed to the ground by means of foundation with (KPWD18-19,24.2.4) GHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 1 1 1 1 1 1 5 5 1 1 1 1 1 1 1				2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00
$ \begin{array}{r} 3 \\ 4 \\ 5 \\ 6 \\ 7 \\ 7 \\ 8 \\ 9 \\ 10 \\ 11 \\ 12 \\ 5 \\ 5 \\ 7 \\ 4 \\ 5 \\ 6 \\ 7 \\ $	Sharavu Temple Road GHS Cross Road Withoba Temple Road Maidan 1st Cross Road Maidan 3rd Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. J.M.1st Cross Road KSRRB M800-2. Retro-Reflectorised Traffic Signs - Manufacturing, supply and installation of retro- reflectorised cautionary, mandatory and informatory signboards made out of cube corner micro prismatic grade sheeting confirming to 600x800 MM type XI standards of IRC :67:2012 specifications & fixed over 4 mm thick aluminium composite panel sheet having minimun 0.30 thick aluminium skin on both sides & fixed over a support frame of 25x25x3 mm MS angle and mounted on 75mm dia OR 75x75x6mm Mild steel angle of total height 2.70m with clear height of not less than 2.10 m from the ground level to the bottom of the sign board & 60 cm below ground level. The sign post should be painted with one coat of red oxide paint and white colour with brands of 30 cm height alternatively firmly fixed to the ground by means of foundation with (KPWD18-19,24.2.4) GHS Road P.M.Rao Road Sharavu Temple Road Maidan 1st Cross Road Maidan 1st Cross Road Maidan 3rd Cross Road	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 1 1 1 1 1 1 5 5 1 1 1 1 1 1 1				2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00
$ \begin{array}{r} 3 \\ 4 \\ 5 \\ 6 \\ 7 \\ 8 \\ 9 \\ 10 \\ 11 \\ 12 \\ 5 \\ 57 \\ 5$	Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. Street Road-Extn. KSRRB M800-2. Retro-Reflectorised Traffic Signs - Manufacturing, supply and informatory signboards made out of cube corner micro prismatic grade sheeting confirming to 600x800 MM type XI standards of IRC :67:2012 specifications & fixed over 4 mm thick aluminium composite panel sheet having minimun 0.30 thick aluminium skin on both sides & fixed over a support frame of 25x25x3 mm MS angle and mounted on 75mm dia OR 75x75x6mm Mild steel angle of total height 2.70m with clear height of not less than 2.10 m from the ground level to the bottom of the sign board & 60 cm below ground level. The sign post should be painted with one coat of red oxide paint and white colour with brands of 30 cm height alternatively firmly fixed to the ground by means of foundation with (KPWD18-19,24.2.4) GHS Road P.M.Rao Road P.M.Rao Road Maidan 3rd Cross Road Maidan 1st Cross Road Maidan 1st Cross Road Maidan 1st Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				2.00 2.00 2.00 2.00 6.00 2.00 2.00 2.00
$ \begin{array}{r} 3 \\ 4 \\ 5 \\ 6 \\ 7 \\ 8 \\ 9 \\ 10 \\ 11 \\ 12 \\ 5 \\ 57 \\ 5$	Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. Street Road-Extn. KSRRB M800-2. Retro-Reflectorised Traffic Signs - Manufacturing, supply and informatory signboards made out of cube corner micro prismatic grade sheeting confirming to 600x800 MM type XI standards of IRC :67:2012 specifications & fixed over 4 mm thick aluminium composite panel sheet having minimun 0.30 thick aluminium skin on both sides & fixed over a support frame of 25x25x3 mm MS angle and mounted on 75mm dia OR 75x75kmm Mild steel angle of total height 2.70m with clear height of not less than 2.10 m from the ground level to the bottom of the sign board & 60 cm below ground level. The sign post should be painted with one coat of red oxide paint and white colour with brands of 30 cm height alternatively firmly fixed to the ground by means of foundation with (KPWD18-19,24.2.4) GHS Road P.M.Rao Road P.M.Rao Road GHS Cross Road Maidan 1st Cross Road Maidan 3rd Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00
$ \begin{array}{r} 3 \\ 4 \\ 5 \\ 6 \\ 7 \\ 8 \\ 9 \\ 10 \\ 11 \\ 12 \\ 5 \\ 57 \\ 5$	Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. Street Road-Extn. KSRRB M800-2. Retro-Reflectorised Traffic Signs - Manufacturing, supply and informatory signboards made out of cube corner micro prismatic grade sheeting confirming to 600x800 MM type XI standards of IRC :67:2012 specifications & fixed over 4 mm thick aluminium composite panel sheet having minimun 0.30 thick aluminium skin on both sides & fixed over a support frame of 25x25x3 mm MS angle and mounted on 75mm dia OR 75x75x6mm Mild steel angle of total height 2.70m with clear height of not less than 2.10 m from the ground level to the bottom of the sign board & 60 cm below ground level. The sign post should be painted with one coat of red oxide paint and white colour with brands of 30 cm height alternatively firmly fixed to the ground by means of foundation with (KPWD18-19,24.2.4) GHS Road P.M.Rao Road P.M.Rao Road Maidan 3rd Cross Road Maidan 1st Cross Road Maidan 1st Cross Road Maidan 1st Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				2.00 2.00 2.00 2.00 6.00 2.00 2.00 2.00
$ \begin{array}{r} 3 \\ 4 \\ 5 \\ 6 \\ 7 \\ 8 \\ 9 \\ 10 \\ 11 \\ 12 \\ 5 \\ 57 \\ 5$	Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi - Kanadak Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. Street Road-Extn. KSRRB M800-2. Retro-Reflectorised Traffic Signs - Manufacturing, supply and informatory signboards made out of cube corner micro prismatic grade sheeting confirming to 600x800 MM type XI standards of IRC :67:2012 specifications & fixed over 4 mm thick aluminium composite panel sheet having minimun 0.30 thick aluminium skin on both sides & fixed over a support frame of 25x25x3 mm MS angle and mounted on 75mm dia OR 75x75kmm Mild steel angle of total height 2.70m with clear height of not less than 2.10 m from the ground level to the bottom of the sign board & 60 cm below ground level. The sign post should be painted with one coat of red oxide paint and white colour with brands of 30 cm height alternatively firmly fixed to the ground by means of foundation with (KPWD18-19,24.2.4) GHS Road P.M.Rao Road P.M.Rao Road GHS Cross Road Maidan 1st Cross Road Maidan 3rd Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00
3 4 5 6 7 8 9 10 11 12 57 57 57 57 57 57 57 57 57 10 11	Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. KSRRB M800-2. Retro-Reflectorised Traffic Signs - Manufacturing, supply and installation of retro- reflectorised cautionary, mandatory and informatory signboards made out of cube corner micro prismatic grade sheeting confirming to 600x800 MM type XI standards of IRC -67:2012 specifications & fixed over 4 mm thick aluminium composite panel sheet having minimun 0.30 thick aluminium skin on both sides & fixed over a support frame of 25x25x3 mm MS angle and mounted on 75mm dia OR 75x75x6mm Mild steel angle of total height 2.70m with clear height of not less than 2.10 m from the ground level to the bottom of the sign board & 60 cm below ground level. The sign post should be painted with one coat of red oxide paint and white colour with brands of 30 cm height alternatively firmly fixed to the ground by means of foundation with (KPWD18-19,24.2.4) GHS Road	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 1 1 1 1 1 1 5 5 1 1 1 1 1 1 1				2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00
$ \begin{array}{r} 3 \\ 4 \\ 5 \\ 6 \\ 7 \\ 8 \\ 9 \\ 10 \\ 11 \\ 12 \\ 5 \\ 57 \\ 5$	Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Midan 4th Cross Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. KSRRB M800-2. Retro-Reflectorised Traffic Signs - Manufacturing, supply and installation of retro- reflectorised cautionary, mandatory and informatory signboards made out of cube corner micro prismatic grade sheeting confirming to 600x800 MM type XI standards of IRC :67:2012 specifications & fixed over 4 mm thick aluminium composite panel sheet having minimun 0.30 thick aluminium skin on both sides & fixed over a support frame of 25x25x3 mm MS angle and mounted on 75mm dia OR 75x75x6mm Mild steel angle of total height 2.70m with clear height of not less than 2.10 m from the ground level to the bottom of the sign board & 60 cm below ground level. The sign post should be painted with one coat of red oxide paint and white colour with brands of 30 cm height alternatively firmly fixed to the ground by means of foundation with (KPWD18-19,24.2.4) GHS Road Maidan 1st Cross Road Withoba Temple Road Maidan 3rd Cross Road Maidan 1st Cross Road Maidan 3rd Cross Road Maidan 3rd Cross Road Maidan 3rd Cross Road Maidan 3rd Cross Road Maidan 4th Cross Road	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Total Qty		2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00
3 4 5 6 7 8 9 10 11 12 57 57 57 57 57 57 57 57 57 10 11	Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. KSRRB M800-2. Retro-Reflectorised Traffic Signs - Manufacturing, supply and installation of retro- reflectorised cautionary, mandatory and informatory signboards made out of cube corner micro prismatic grade sheeting confirming to 600x800 MM type XI standards of IRC -67:2012 specifications & fixed over 4 mm thick aluminium composite panel sheet having minimun 0.30 thick aluminium skin on both sides & fixed over a support frame of 25x25x3 mm MS angle and mounted on 75mm dia OR 75x75x6mm Mild steel angle of total height 2.70m with clear height of not less than 2.10 m from the ground level to the bottom of the sign board & 60 cm below ground level. The sign post should be painted with one coat of red oxide paint and white colour with brands of 30 cm height alternatively firmly fixed to the ground by means of foundation with (KPWD18-19,24.2.4) GHS Road	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 1 1 1 1 1 1 5 5 1 1 1 1 1 1 1				2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00
3 4 5 6 7 8 9 10 11 12 57 57 57 57 57 57 57 57 57 57 57 57 10 11	Sharavu Temple Road GHS Cross Road Vithoba Temple Road Maidan 1st Cross Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Bibi Alabi Road Maidan 4th Cross Road-Extn. J.M.1st Cross Road Mission Street Road-Extn. KSRRB M800-2. Retro-Reflectorised Traffic Signs - Manufacturing, supply and installation of retro- reflectorised cautionary, mandatory and informatory signboards made out of cube corner micro prismatic grade sheeting confirming to 600x800 MM type XI standards of IRC -67:2012 specifications & fixed over 4 mm thick aluminium composite panel sheet having minimun 0.30 thick aluminium skin on both sides & fixed over a support frame of 25x25x3 mm MS angle and mounted on 75mm dia OR 75x75x6mm Mild steel angle of total height 2.70m with clear height of not less than 2.10 m from the ground level to the bottom of the sign board & 60 cm below ground level. The sign post should be painted with one coat of red oxide paint and white colour with brands of 30 cm height alternatively firmly fixed to the ground by means of foundation with (KPWD18-19,24.2.4) GHS Road	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	1 1 1 1 1 1 1 1 1 1 1 5 5 1 1 1 1 1 1 1		Total Qty		2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00

Sr. No.							
	Description	Unit	No's	L	В	Н	Qty.
	KSRRB M800 Road markers / Road stud KSRRB M800-35. Providing and fixing of						
	road stud 100x 100 mm, diecast in aluminium, resistant to corrosive effect of salt and						
	grit, fitted with lense reflectors, installed in concrete or asphaltic surface by drilling hole						
58	30 mm upto a depth of 60 mm and bedded in a suitable bituminous grout or epoxy						
	mortar, all as per BS: 873 part 4:1973 complete as per specifications						
	(KPWD 18-19,SI No : 24.41)						
	(11 WD 10-13,0110 . 24.41)						
1	GHS Road	Nos	86				86.00
2	P.M.Rao Road	Nos	24				24.00
3	Sharavu Temple Road	Nos	20				20.00
4	GHS Cross Road	Nos	24				24.00
5	Vithoba Temple Road	Nos	40				40.00
6	Maidan 1st Cross Road	Nos	24				24.00
7		Nos	24				24.00
	Maidan 3rd Cross Road						
	Bibi Alabi Road	Nos	54				54.00
9	Bibi Alabi - Kanadak Road	Nos	60				60.00
10	Maidan 4th Cross Road-Extn.	Nos	24				24.00
11	J.M. 1st Cross Road	Nos	60				60.00
12	Mission Street Road-Extn.	Nos	50				50.00
		Nos.		Total Qty.			490.00
	Supply & Installation of Solar Raised Pavement Markers made of polycarbonate						
	molded body with circular shape, solar powered, LED self illumination in active mode,						
	360 degree illumination and reflective panels with micro prismatic lens in passive						
	mode. The marker shall support a load of 20000 kg tested in accordance to IRC 37 and						
	shall be resistantto dust and water ingress according to IP 65 (Ingress Protection 65 is						
	a test which is conducted to check if solar road stud is protected from total dust		1				
	Ingress and low pressure water jets from any direction) standards and should		1				
							1
	withstand temperatures in the range of 0 C to 70 C. Color of lighting could be provided		1				
	in red or yellow (amber) as per requirement and typical frequency of blinking is 1 Hz.						
	There should be current losses of less than 20 micro-amperes at 2.4 V in sleep-						
59		Nos.	320				320.00
00	charging mode to enhance the life of the marker and a full charge should provide for a	1103.	020				020.00
	minimum autonomy of 50 hours. The height, width and length of the marker shall not						
	be less than 10 mm x 100 mm x 100 mm. Also, the surface diameter of the marker						
	shall not be less than 100 mm respectively. The weight of the marker shall not exceed						
	0.5 Kilograms. Fixing will be by drilling holes on the road for the shanks to go inside,						
	without nails and using epoxy resin based adhesive as per manufacturer's						
	recommendation and complete as directed by the engineer.						
			1				
			1				
	Road Marking with hot applied Thermoplastic Compound with Reflectrising Glass						
	· · · · ·						
	Beads on Concrete Surface: Providing and laying of hot applied thermoplastic						
	compound 2.5mm thick including reflectorising glass beads at 250 gms and 2 ltr of						
	primer per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads						
	as per IRC:35. The finished surface to be level, uniform and free from streak and holes						
60							
	complete as per specifications.MORTH specification No.803						
	(KPWD 18-19,SI No : 24.15)						
1	GHS Road						
	GHS Road Continuos Line-at Edge	Sqm	2	370	0.1		74.00
а	Continuos Line-at Edge				-		
a b	Continuos Line-at Edge Continuos Line-at Median	Sqm	0	370	0.1		0.00
a b c	Continuos Line-at Edge Continuos Line-at Median Dash Lines	Sqm Sqm	0	370 222	0.1 0.1		0.00 22.20
a b c d	Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow	Sqm Sqm Sqm	0 1 7	370 222 0.76	0.1 0.1 Area/Rm		0.00 22.20 5.32
a b c d	Continuos Line-at Edge Continuos Line-at Median Dash Lines	Sqm Sqm	0	370 222 0.76	0.1 0.1		0.00 22.20 5.32 52.50
a b c d e	Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow	Sqm Sqm Sqm	0 1 7	370 222 0.76 7.5	0.1 0.1 Area/Rm		0.00 22.20 5.32
a b c d e	Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing	Sqm Sqm Sqm Sqm	0 1 7 5	370 222 0.76 7.5	0.1 0.1 Area/Rm 1.4		0.00 22.20 5.32 52.50
a b c d e f	Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing	Sqm Sqm Sqm Sqm	0 1 7 5	370 222 0.76 7.5	0.1 0.1 Area/Rm 1.4		0.00 22.20 5.32 52.50
a b c d e f 2	Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing P.M.Rao Road	Sqm Sqm Sqm Sqm Sqm	0 1 7 5 1	370 222 0.76 7.5 7.5	0.1 0.1 Area/Rm 1.4 16.82		0.00 22.20 5.32 52.50 126.15
a b c d e f 2 a	Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing P.M.Rao Road Continuos Line-at Edge	Sqm Sqm Sqm Sqm Sqm Sqm	0 1 7 5 1 1 2	370 222 0.76 7.5 7.5 7.5	0.1 0.1 Area/Rm 1.4 16.82		0.00 22.20 5.32 52.50 126.15 35.60
a b c d e f 2 a b	Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing P.M.Rao Road Continuos Line-at Edge Continuos Line-at Median	Sqm Sqm Sqm Sqm Sqm Sqm Sqm	0 1 7 5 1 1 2 0	370 222 0.76 7.5 7.5 178 178	0.1 0.1 Area/Rm 1.4 16.82 0.1		0.00 22.20 5.32 52.50 126.15 35.60 0.00
a b c d e f 2 a b	Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing P.M.Rao Road Continuos Line-at Edge	Sqm Sqm Sqm Sqm Sqm Sqm	0 1 7 5 1 1 2	370 222 0.76 7.5 7.5 178 178	0.1 0.1 Area/Rm 1.4 16.82		0.00 22.20 5.32 52.50 126.15 35.60
a b c d e f 2 a b c	Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing P.M.Rao Road Continuos Line-at Edge Continuos Line-at Median Dash Lines	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	0 1 7 5 1 1 2 0 0	370 222 0.76 7.5 7.5 178 178 106.8	0.1 0.1 Area/Rm 1.4 16.82 0.1 0.1 0.1		0.00 22.20 5.32 52.50 126.15 35.60 0.00 10.68
a b c d e f f 2 a b c d	Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing PM.Rao Road Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	0 1 7 5 1 1 2 0 0 1 1 4	370 222 0.76 7.5 7.5 178 178 178 106.8 0.76	0.1 0.1 Area/Rm 1.4 16.82 0.1 0.1 0.1 0.1 Area/Rm		0.00 22.20 5.32 52.50 126.15 35.60 0.00 10.68 3.04
a b c d e f f 2 a b b c d e	Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing P.M.Rao Road Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	0 1 7 5 1 1 2 0 0 1 1 4 2	370 222 0.76 7.5 7.5 178 178 106.8 0.76 7	0.1 0.1 Area/Rm 1.4 16.82 0.1 0.1 0.1 0.1 0.1 1.4 Xrea/Rm 1.4		0.00 22.20 5.32 52.50 126.15 35.60 0.00 10.68 3.04 19.60
a b c d e f f 2 a b b c d e	Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing PM.Rao Road Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	0 1 7 5 1 1 2 0 0 1 1 4	370 222 0.76 7.5 7.5 178 178 106.8 0.76 7	0.1 0.1 Area/Rm 1.4 16.82 0.1 0.1 0.1 0.1 Area/Rm		0.00 22.20 5.32 52.50 126.15 35.60 0.00 10.68 3.04
a b c d e f f 2 a b b c d e	Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing P.M.Rao Road Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	0 1 7 5 1 1 2 0 0 1 1 4 2	370 222 0.76 7.5 7.5 178 178 106.8 0.76 7	0.1 0.1 Area/Rm 1.4 16.82 0.1 0.1 0.1 0.1 0.1 1.4 Xrea/Rm 1.4		0.00 22.20 5.32 52.50 126.15 35.60 0.00 10.68 3.04 19.60
a b c d e f f 2 a b c d e f	Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing P.M.Rao Road Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	0 1 7 5 1 1 2 0 0 1 1 4 2	370 222 0.76 7.5 7.5 178 178 106.8 0.76 7	0.1 0.1 Area/Rm 1.4 16.82 0.1 0.1 0.1 0.1 0.1 1.4 Xrea/Rm 1.4		0.00 22.20 5.32 52.50 126.15 35.60 0.00 10.68 3.04 19.60
a b c d e f f 2 a b c c d d c f f 3	Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing P.M.Rao Road Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing Sharavu Temple Road	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	0 1 7 5 1 2 0 0 1 1 4 2 1 1	370 222 0.76 7.5 7.5 178 178 106.8 0.76 7 7 7	0.1 0.1 Area/Rm 1.4 16.82 0.1 0.1 0.1 0.1 Area/Rm 1.4 16.82		0.00 22.20 5.32 52.50 126.15 35.60 0.00 10.68 3.04 19.60 117.74
a b c d e f 2 a b c c d d c f f 3 a	Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing P.M.Rao Road Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing Sharavu Temple Road Continuos Line-at Edge	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	0 1 7 5 1 1 2 0 0 1 1 4 4 2 1 1 2 2	370 222 0.76 7.5 7.5 7.5 178 178 106.8 0.76 7 7 7 7	0.1 0.1 Area/Rm 1.4 16.82 0.1 0.1 0.1 0.1 Area/Rm 1.4 16.82 0.1		0.00 22.20 5.32 52.50 126.15 35.60 0.00 10.68 3.04 19.60 117.74 38.80
a b c d e f 2 a b c c d e f f 3 a b	Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing P.M.Rao Road Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing Sharavu Temple Road Continuos Line-at Edge Continuos Line-at Edge Continuos Line-at Edge Continuos Line-at Edge	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	0 1 7 5 5 1 1 2 0 0 1 1 4 4 2 2 1 1 2 2 0 0	370 222 0.76 7.5 7.5 7.5 7.5 7.5 178 106.8 0.76 7 7 7 7 7 194	0.1 0.1 Area/Rm 1.4 16.82 0.1 0.1 0.1 Area/Rm 1.4 16.82 0.1 0.1		0.00 22.20 5.32 52.50 126.15 35.60 0.00 10.68 3.04 19.60 117.74 38.80 0.00
a b c d e f 2 a b b c d e f f 3 a b c	Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing P.M.Rao Road Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing Sharavu Temple Road Continuos Line-at Edge Continuos Line-at Median Dash Lines	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	0 1 7 5 1 1 2 0 0 1 1 4 2 0 1 1 2 2 0 0 1	370 222 0.76 7.5 7.5 178 178 106.8 0.76 7 7 7 7 7 194 194 116.4	0.1 0.1 Area/Rm 1.4 16.82 0.1 0.1 0.1 0.1 Area/Rm 1.4 16.82 0.1 0.1 0.1 0.1		0.00 22.20 5.32 52.50 126.15 35.60 0.00 10.68 3.04 19.60 117.74 38.80 0.00 11.64
a b c d e f 2 a b b c d e f f 3 a b c	Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing P.M.Rao Road Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing Sharavu Temple Road Continuos Line-at Edge Continuos Line-at Edge Continuos Line-at Edge Continuos Line-at Edge	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	0 1 7 5 5 1 1 2 0 0 1 1 4 4 2 2 1 1 2 2 0 0	370 222 0.76 7.5 7.5 178 178 106.8 0.76 7 7 7 7 7 194 194 116.4	0.1 0.1 Area/Rm 1.4 16.82 0.1 0.1 0.1 0.1 Area/Rm 1.4 16.82 0.1 0.1 0.1 0.1		0.00 22.20 5.32 52.50 126.15 35.60 0.00 10.68 3.04 19.60 117.74 38.80 0.00
a b c d f f 2 a b c c d e f f 3 a b c c d	Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing P.M.Rao Road Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing Sharavu Temple Road Continuos Line-at Edge Continuos Line-at Median Dash Lines Sharavu Temple Road Continuos Line-at Median Dash Lines Arrow	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	0 1 7 5 1 2 0 0 1 1 2 0 0 1 1 2 2 1 1 2 0 0 0 1 1 4 4	370 222 0.76 7.5 7.5 178 178 178 0.76 7 7 7 7 7 7 7 9 194 194 116.4 0.76	0.1 0.1 Area/Rm 1.4 16.82 0.1 0.1 0.1 0.1 1.4 16.82 0.1 0.1 0.1 0.1 0.1 0.1 0.1		0.00 22.20 5.32 52.50 126.15 35.60 0.00 10.68 3.04 19.60 117.74 38.80 0.00 11.64
a b c d f f 2 a b c c d e f f 3 a b c c d e e f f f f f f f c d e e e f f f f f f f f f f f f f f f f	Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing P.M.Rao Road Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing Sharavu Temple Road Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Sharavu Temple Road Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	0 1 7 5 1 2 0 0 1 1 4 2 1 1 2 2 1 1 2 0 0 1 1 4 4 2 2	370 222 0.76 7.5 7.5 178 178 106.8 0.76 7 7 7 7 7 7 9 9 9 9 4 94 116.4 0.76 6.2	0.1 0.1 Area/Rm 1.4 16.82 0.1 0.1 0.1 Area/Rm 0.1 0.1 0.1 0.1 0.1 1.4 Area/Rm 1.4		0.00 22.20 5.32 52.50 126.15 35.60 0.00 10.68 3.04 19.60 117.74 38.80 0.00 11.64 3.04 17.36
a b c d e f c d e f f 3 a b c c d	Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing P.M.Rao Road Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing Sharavu Temple Road Continuos Line-at Edge Continuos Line-at Median Dash Lines Sharavu Temple Road Continuos Line-at Median Dash Lines Arrow	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	0 1 7 5 1 2 0 0 1 1 2 0 0 1 1 2 2 1 1 2 0 0 0 1 1 4 4	370 222 0.76 7.5 7.5 178 178 178 0.76 7 7 7 7 7 7 7 9 194 194 116.4 0.76	0.1 0.1 Area/Rm 1.4 16.82 0.1 0.1 0.1 0.1 1.4 16.82 0.1 0.1 0.1 0.1 0.1 0.1 0.1		0.00 22.20 5.32 52.50 126.15 35.60 0.00 10.68 3.04 19.60 117.74 38.80 0.00 11.64 3.04
a b c d e f 2 a b c c d d e f f 3 a b c c d e f f	Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing P.M.Rao Road Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing Sharavu Temple Road Continuos Line-at Edge Continuos Line-at Edge Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing Table Top Crossing	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	0 1 7 5 1 2 0 0 1 1 4 2 1 1 2 2 1 1 2 0 0 1 1 4 4 2 2	370 222 0.76 7.5 7.5 178 178 106.8 0.76 7 7 7 7 7 7 9 9 9 9 4 94 116.4 0.76 6.2	0.1 0.1 Area/Rm 1.4 16.82 0.1 0.1 0.1 Area/Rm 0.1 0.1 0.1 0.1 0.1 1.4 Area/Rm 1.4		0.00 22.20 5.32 52.50 126.15 35.60 0.00 10.68 3.04 19.60 117.74 38.80 0.00 11.64 3.04 17.36
a b c d e f 2 a b c c d d e f f 3 a b c c d d e f f 4	Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing P.M.Rao Road Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing Sharavu Temple Road Continuos Line-at Edge Continuos Line-at Edge Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing Continuos Line-at Median Continuos Line-at Media	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	0 1 7 5 1 2 0 0 1 1 4 4 2 1 1 2 0 0 1 1 4 2 1 2 0 0 1 1 1 4 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	370 222 0.76 7.5 7.5 7.5 178 106.8 0.76 7 7 7 7 7 194 106.8 0.76 6.2 6.2 6.2	0.1 0.1 Area/Rm 1.4 16.82 0.1 0.1 0.1 0.1 Area/Rm 1.4 16.82 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1		0.00 22.20 5.32 52.50 126.15 35.60 0.00 10.68 3.04 19.60 117.74 38.80 0.00 11.64 3.04 17.36 104.28
a b c d e f 2 a b b c d d e f f 3 a b c c d d e f f 4 a	Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing P.M.Rao Road Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing Sharavu Temple Road Continuos Line-at Edge Continuos Line-at Edge Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Continuos Line-at Median Continuos Line-at Median Continuos Line-at Median Continuos Line-at Edge	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	0 1 7 5 1 2 0 0 1 1 4 4 2 1 1 2 0 0 1 1 4 4 2 1 1 2 2 2 2	370 222 0.76 7.5 7.5 7.5 7.5 7.5 7.5 7 7 7 7 7 7 7 7	0.1 0.1 0.1 Area/Rm 1.4 16.82 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1		0.00 22.20 5.32 52.50 126.15 35.60 0.00 10.68 3.04 19.60 117.74 38.80 0.00 11.64 3.04 17.36 104.28
a b c d e f 2 a b b c d d e f f 3 a b c c d e f f 4 a	Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing P.M.Rao Road Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing Sharavu Temple Road Continuos Line-at Edge Continuos Line-at Edge Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing Continuos Line-at Median Continuos Line-at Media	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	0 1 7 5 1 2 0 0 1 1 4 4 2 1 1 2 0 0 1 1 4 2 1 2 0 0 1 1 1 4 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	370 222 0.76 7.5 7.5 7.5 7.5 7.5 7.5 7 7 7 7 7 7 7 7	0.1 0.1 Area/Rm 1.4 16.82 0.1 0.1 0.1 0.1 Area/Rm 1.4 16.82 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1		0.00 22.20 5.32 52.50 126.15 35.60 0.00 10.68 3.04 19.60 117.74 38.80 0.00 11.64 3.04 17.36 104.28
a b c d f f 2 a b b c d e f f d e f f d e f f f d a b b c d d a b b c d a b b c d f f f f f f f f f f f f f f f f f f	Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing P.M.Rao Road Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing Sharavu Temple Road Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Gharavu Temple Road Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing GHS Cross Road Continuos Line-at Edge Continuos Line-at Edge	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	0 1 7 5 1 1 2 0 0 1 4 2 0 0 1 4 2 0 0 1 1 4 2 0 0 1 1 4 2 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	370 222 0.76 7.5 7.5 7.5 7.5 7.5 7 7 7 7 7 7 7 7 7 7	0.1 0.1 0.1 1.4 16.82 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1		0.00 22.20 5.32 52.50 126.15 35.60 0.00 10.68 3.04 19.60 117.74 38.80 0.00 11.64 3.04 17.36 104.28 0.00 36.00 0.00
a b c d e f 2 a b b c d e f f c d e f f d e f f f f f f f f f f f f f f	Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing P.M.Rao Road Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing Sharavu Temple Road Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing Continuos Line-at Median Dash Lines	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	0 1 7 5 1 2 0 0 1 1 2 2 0 1 1 2 1 1 2 1 1 2 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 2 1 1 1 2 2 1 1 1 2 2 1 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 0 0 1 1 2 2 1 1 2 2 0 0 1 1 2 2 1 1 2 2 0 0 1 1 2 2 0 0 0 1 1 2 2 0 0 0 1 1 2 2 1 1 2 2 0 0 0 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 1 2 2 0 0 1 1 1 2 2 0 0 0 1 1 1 2 2 0 0 0 1 1 1 2 2 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	370 222 0.76 7.5 7.5 178 178 106.8 0.76 0.7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	0.1 0.1 Area/Rm 1.4 16.82 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1		0.00 22.20 5.32 52.50 126.15 35.60 0.00 10.68 3.04 19.60 117.74 38.80 0.00 11.64 3.04 17.36 104.28 36.00 0.00 10.80
a b c d e f 2 a b c d d e f f c d d e f f f d d c d d c d d c d d c d d f f f f	Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing P.M.Rao Road Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing Sharavu Temple Road Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing Continuos Line-at Edge Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing Continuos Line-at Median Dash Lines Arrow Line-at Edge Continuos Line-at Edge Continuos Line-at Edge Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	0 1 7 5 1 2 0 0 1 4 2 1 2 0 0 1 4 2 0 0 1 1 2 0 0 1 1 4 2 0 0 1 1 2 0 0 0 1 1 2 0 0 0 1 1 2 0 0 0 1 1 2 0 0 0 0 1 1 2 0 0 0 1 1 2 0 0 0 0 1 1 2 0 0 0 1 1 2 0 0 0 1 1 2 0 0 0 1 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0	370 222 0.76 7.5 7.5 7.5 178 178 106.8 0.76 0.7 7 7 7 194 106.4 0.76 6.2 6.2 6.2 6.2 6.2 180 180 180	0.1 0.1 Area/Rm 1.4 16.82 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1		0.00 22.20 5.32 52.50 126.15 35.60 0.00 10.68 3.04 19.60 117.74 38.80 0.00 11.64 3.04 17.36 104.28 36.00 0.00 10.80 3.04
a b c d e f 2 a b c d d e f f c d d e f f f c d d e f f f f f f f f f f f f f f f f f	Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing P.M.Rao Road Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing Sharavu Temple Road Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing Continuos Line-at Edge Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing GHS Cross Road Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	0 1 7 5 1 2 0 0 1 4 2 1 2 0 0 1 4 2 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	370 222 0.76 7.5 7.5 178 178 106.8 0.76 7 7 7 7 194 194 194 194 194 116.4 0.76 6.2 6.2 6.2 6.2 180 180 180 108 0.76	0.1 0.1 Area/Rm 1.4 16.82 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1		0.00 22.20 5.32 52.50 126.15 35.60 0.00 10.68 3.04 19.60 117.74 38.80 0.00 11.64 3.04 17.36 104.28 36.00 0.00 10.80 3.04 21.00
a b c d e f 2 a b c d d e f f c d d e f f f f c d d c c d d c c d d c f f f f	Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing P.M.Rao Road Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing Sharavu Temple Road Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing Continuos Line-at Edge Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing Continuos Line-at Median Dash Lines Arrow Line-at Edge Continuos Line-at Edge Continuos Line-at Edge Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	0 1 7 5 1 2 0 0 1 4 2 1 2 0 0 1 4 2 0 0 1 1 2 0 0 1 1 4 2 0 0 1 1 2 0 0 0 1 1 2 0 0 0 1 1 2 0 0 0 1 1 2 0 0 0 0 1 1 2 0 0 0 1 1 2 0 0 0 0 1 1 2 0 0 0 1 1 2 0 0 0 1 1 2 0 0 0 1 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0	370 222 0.76 7.5 7.5 178 178 106.8 0.76 7 7 7 194 1964 1964 1964 1964 1964 1964 10.76 6.2 6.2 6.2 6.2 1800 1800 1800 108 0.76	0.1 0.1 Area/Rm 1.4 16.82 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1		0.00 22.20 5.32 52.50 126.15 35.60 0.00 10.68 3.04 19.60 117.74 38.80 0.00 11.64 3.04 17.36 104.28 36.00 0.00 10.80 3.04
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a b c d e f 2 a b c c d d e f f 3 a b c c d d e f f f c d d e f f d e f f c d a b c c d f f f f f f f f f f f f f f f f f	Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing P.M.Rao Road Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Sharavu Temple Road Continuos Line-at Edge Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing GHS Cross Road Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing Table Top Crossing Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing Continuos Line-at Edge Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing Table Top Crossing Table Top Crossing Table Top Crossing Table Top Crossing Table Top Crossing Table Top Crossing	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	0 1 7 5 1 2 0 0 1 4 2 1 2 0 0 1 4 2 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	370 222 0.76 7.5 7.5 178 178 106.8 0.76 7 7 7 7 194 194 194 194 194 116.4 0.76 6.2 6.2 6.2 6.2 180 180 180 108 0.76	0.1 0.1 Area/Rm 1.4 16.82 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1		0.00 22.20 5.32 52.50 126.15 35.60 0.00 10.68 3.04 19.60 117.74 38.80 0.00 11.64 3.04 17.36 104.28 36.00 0.00 10.80 3.04 21.00
a b c d f f 2 a b b c d e f f d e f f d e e f f d e e f f d e e f f f f	Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing P.M.Rao Road Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing Sharavu Temple Road Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing Continuos Line-at Edge Continuos Line-at Edge Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing Vithoba Temple Road	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	0 1 7 5 1 2 0 1 1 2 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 0 1 1 2 0 0 0 1 1 2 0 0 0 1 1 2 2 0 0 0 1 1 2 2 0 0 0 1 1 2 2 0 0 0 1 1 2 2 0 0 1 1 2 2 0 0 1 1 2 2 0 0 1 1 2 2 0 0 1 1 2 2 0 0 1 1 2 2 0 0 1 1 2 2 0 0 1 1 2 2 0 0 1 1 2 2 0 0 1 1 2 2 0 0 1 1 2 2 0 0 1 1 2 2 0 0 1 1 2 2 0 0 1 1 2 2 0 0 1 1 1 2 2 0 0 1 1 1 2 2 0 0 1 1 1 2 2 0 0 0 1 1 1 2 2 0 0 0 1 1 1 2 2 1 1 1 2 2 1 1 1 2 2 1 1 1 2 2 1 1 1 2 2 1 1 1 2 2 1 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1	370 222 0.76 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.7 7 7 7	0.1 0.1 0.1 1.4 16.82 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1		0.00 22.20 5.32 52.50 126.15 35.60 0.00 10.68 3.04 19.60 117.74 38.80 0.00 11.64 3.04 17.36 104.28 36.00 0.00 10.80 3.04 21.00 126.15
a b c d e f 2 a b c c d e f f c d e f f d e e f f d e e f f f f f f f f	Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing P.M.Rao Road Continuos Line-at Edge Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing Sharavu Temple Road Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing GHS Cross Road Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing Table Top Crossing Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing Table Top Crossing Continuos Line-at Edge Continuos Line-at Edge Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing Continuos Line-at Edge Continuos Line-at Edge Continuos Line-at Edge Arrow Pedstrian Crossing Table Top Crossing Table Top Crossing	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	0 1 7 5 1 2 0 0 1 1 2 2 0 1 1 2 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 1 2 0 0 1 1 1 2 0 0 1 1 1 2 0 0 1 1 1 2 0 0 1 1 1 2 2 0 0 1 1 1 2 2 0 0 1 1 1 2 2 0 0 0 1 1 2 2 0 0 0 1 1 2 2 0 0 0 1 1 2 2 0 0 0 1 1 2 2 0 0 0 1 1 2 2 0 0 0 1 1 2 2 0 0 0 1 1 2 2 0 0 0 1 1 2 2 0 0 0 1 1 2 2 0 0 0 1 1 2 2 0 0 0 1 1 2 2 0 0 0 1 1 2 2 0 0 0 1 1 2 2 0 0 0 1 1 2 2 0 0 0 1 2 2 0 0 0 1 2 2 0 0 0 2 2 0 0 2 2 0 0 2 2 2 0 0 2 2 2 0 0 2 2 2 2 2 2 2 2 2 2 2 2 2	370 222 0.76 7.5 7.5 178 178 106.8 0.76 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	0.1 0.1 Area/Rm 1.4 16.82 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1		0.00 22.20 5.32 52.50 126.15 35.60 0.00 10.68 3.04 19.60 117.74 38.80 0.00 11.64 3.04 17.36 104.28 36.00 0.00 10.80 3.04 21.00 126.15
a b c d e f 2 a b c c d e f f c d e f f c d e f f f f f f f f f f f f f f f f f f	Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing P.M.Rao Road Continuos Line-at Edge Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing Sharavu Temple Road Continuos Line-at Edge Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing GHS Cross Road Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing GHS Cross Road Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing Vithoba Temple Road Continuos Line-at Edge Continuos Line-at Median	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	0 1 7 5 1 2 0 0 1 4 2 1 1 2 0 0 1 4 2 0 0 1 1 2 0 0 1 1 4 2 0 0 1 1 2 0 0 0 1 1 2 0 0 0 1 1 2 0 0 0 1 1 2 0 0 0 1 1 2 0 0 0 1 1 2 0 0 0 1 1 2 0 0 0 1 1 2 0 0 0 1 1 2 0 0 0 1 1 2 0 0 0 1 1 2 0 0 0 1 1 2 0 0 0 0 1 1 2 0 0 0 0 1 1 2 0 0 0 0 1 1 2 0 0 0 0 1 1 2 0 0 0 1 1 2 0 0 0 1 1 2 0 0 0 1 1 2 0 0 0 1 1 2 0 0 0 1 1 2 0 0 0 1 1 2 2 0 0 0 1 1 2 2 0 0 0 1 1 2 2 0 0 0 1 1 2 2 0 0 0 1 1 2 2 0 0 0 1 1 2 2 0 0 0 1 1 2 2 0 0 0 1 1 2 2 0 0 0 1 1 2 2 0 0 0 0 1 1 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0	370 222 0.76 7.5 7.5 7.5 178 178 106.8 0.76 0.7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	0.1 0.1 Area/Rm 1.4 16.82 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1		0.00 22.20 5.32 52.50 126.15 35.60 0.00 10.68 3.04 19.60 117.74 38.80 0.00 11.64 3.04 17.36 104.28 36.00 0.00 10.80 3.04 21.00 126.15
a b c d e f 2 a b b c d e f f d e f f c d d e f f c d d e f f f c a b b c c d c f f f f f f f f f f f f f f f f	Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing P.M.Rao Road Continuos Line-at Edge Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing Sharavu Temple Road Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing GHS Cross Road Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing Table Top Crossing Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing Table Top Crossing Continuos Line-at Edge Continuos Line-at Edge Continuos Line-at Edge Continuos Line-at Median Dash Lines Arrow Pedstrian Crossing Table Top Crossing Continuos Line-at Edge Continuos Line-at Edge Continuos Line-at Edge Arrow Pedstrian Crossing Table Top Crossing Table Top Crossing	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	0 1 7 5 1 2 0 0 1 1 2 2 0 1 1 2 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 1 2 0 0 1 1 1 2 0 0 1 1 1 2 0 0 1 1 1 2 0 0 1 1 1 2 2 0 0 1 1 1 2 2 0 0 1 1 1 2 2 0 0 0 1 1 2 2 0 0 0 1 1 2 2 0 0 0 1 1 2 2 0 0 0 1 1 2 2 0 0 0 1 1 2 2 0 0 0 1 1 2 2 0 0 0 1 1 2 2 0 0 0 1 1 2 2 0 0 0 1 1 2 2 0 0 0 1 1 2 2 0 0 0 1 1 2 2 0 0 0 1 1 2 2 0 0 0 1 1 2 2 0 0 0 1 1 2 2 0 0 0 1 2 2 0 0 0 1 2 2 0 0 0 2 2 0 0 2 2 0 0 2 2 2 0 0 2 2 2 0 0 2 2 2 2 2 2 2 2 2 2 2 2 2	370 222 0.76 7.5 7.5 7.5 178 178 106.8 0.76 7 7 7 7 194 194 194 194 194 194 194 194 194 194	0.1 0.1 0.1 1.4 16.82 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1		0.00 22.20 5.32 52.50 126.15 35.60 0.00 10.68 3.04 19.60 117.74 38.80 0.00 11.64 3.04 17.36 104.28 36.00 0.00 10.80 3.04 21.00 126.15

Cr. No.	Description	l lmit	Nela		ь	U 044
Sr. No. e	Description Pedstrian Crossing	Unit Sqm	No's	_	B 1.4	H Qty. 33.60
f	Table Top Crossing	Sqm	1			100.92
		oqm			10.02	100.02
6	Maidan 1st Cross Road					
	Ch.0 to Ch.478.0					
а	Continuos Line-at Edge	Sqm	2	90	0.1	18.00
b	Continuos Line-at Median	Sqm	C			0.00
С	Dash Lines	Sqm	2		-	10.80
d	Arrow	Sqm	2			
е	Pedstrian Crossing	Sqm	2			25.20
f	Table Top Crossing	Sqm	1	g	16.82	151.38
7	Maidan 3rd Cross Road		L			
a	Continuos Line-at Edge	Sqm	2			37.20
b	Continuos Line-at Median	Sqm	C			0.00
c	Dash Lines	Sqm	2			22.32
d	Arrow	Sqm	4			3.04
e f	Pedstrian Crossing	Sqm	2	/	1.4	19.60
	Table Top Crossing	Sqm		/	16.82	117.74
8	Bibi Alabi Road					
0	Ch.0 to Ch.478.0					
а	Continuos Line-at Edge	Sqm	2	440	0.1	88.00
a b	Continuos Line-at Edge	Sqm	2			0.00
D C	Dash Lines	Sqm	2			52.80
d	Arrow	Sqm	18		-	
e	Pedstrian Crossing	Sqm	1			
f	Table Top Crossing	Sqm	3			857.82
I		Sym		1/	10.02	007.02
9	Bibi Alabi - Kanadak Road		-			
J	Ch.0 to Ch.478.0					
0	Continuos Line-at Edge	Sqm	2	460	0.1	92.00
a b	Continuos Line-at Edge	Sqm	2		-	92.00
0 0	Dash Lines	Sqm	2		-	55.20
d	Arrow	Sqm	9		-	
e	Pedstrian Crossing	Sqm	6			50.40
f	Table Top Crossing	Sqm	1	-		100.92
1		Sqiii	· · · ·		10.02	100.92
10	Maidan 4th Cross Road-Extn.					
10	Ch.0 to Ch.478.0					
а	Continuos Line-at Edge	Sqm	2	195	0.1	39.00
b	Continuos Line-at Median	Sqm	0			0.00
c	Dash Lines	Sqm	2			23.40
d	Arrow	Sqm	4			3.04
e	Pedstrian Crossing	Sqm	2		1.4	19.60
f	Table Top Crossing	Sqm	1			117.74
•		e q				
11	J.M.1st Cross Road					
	Ch.0 to Ch.478.0					
а	Continuos Line-at Edge	Sqm	2	197	0.1	39.40
b	Continuos Line-at Median	Sqm	C			0.00
С	Dash Lines	Sqm	2		0.1	23.64
d	Arrow	Sqm	4		Area/Rm	3.04
е	Pedstrian Crossing	Sqm	6	5.5		46.20
f	Table Top Crossing	Sqm	1	5.5	16.82	92.51
12	Mission Street Road-Extn.					
	Ch.0 to Ch.478.0					
а	Continuos Line-at Edge	Sqm	2	200	0.1	40.00
b	Continuos Line-at Median	Sqm	C		0.1	0.00
С	Dash Lines	Sqm	2		0.1	24.00
d	Arrow	Sqm	4		Area/Rm	3.04
е	Pedstrian Crossing	Sqm	6			56.28
f	Table Top Crossing	Sqm	1	6.7	16.82	112.69
	Add 10% Extra qty.					349.82
		Sqm			Total Qty	/. 3848.04
	Providing and Fixing of Bus shelter(on prepared foundation) made of SS 304 frame					
	work with brush steel finish, Galvanised Aluminium powder coated roofing and					
	electronic circuit to control its lighting. The seating shall be made of SS 304 tubular					
	sections for seat and back rest.each unit size of 4500mm x 600mm with a minimum					
	backrest support of 450mm. Bus shelter shall have the Side Display board to have		1	1		
	1100X400mm Electronic display. The electronic display board to be of LED Scrolling				•	1 1
	1100X400mm Electronic display. The electronic display board to be of LED Scrolling type with Oval, 4.3 x 5.1mm dia. Diffused. LED's having Amber colour. Dual bin system					
	1100X400mm Electronic display. The electronic display board to be of LED Scrolling type with Oval, 4.3 x 5.1mm dia. Diffused. LED's having Amber colour. Dual bin system should be adopted one for recycle waste & other for dry waste. Each bin shall be with					
	1100X400mm Electronic display. The electronic display board to be of LED Scrolling type with Oval, 4.3 x 5.1mm dia. Diffused. LED's having Amber colour. Dual bin system should be adopted one for recycle waste & other for dry waste. Each bin shall be with minimum capacity of 70Ltrs. Interactive Information Panel-display equipment with					
61	1100X400mm Electronic display. The electronic display board to be of LED Scrolling type with Oval, 4.3 x 5.1mm dia. Diffused. LED's having Amber colour. Dual bin system should be adopted one for recycle waste & other for dry waste. Each bin shall be with minimum capacity of 70Ltrs. Interactive Information Panel-display equipment with information area of 1400 x 1400 and touch screen LED display panel of area not less					
61	1100X400mm Electronic display. The electronic display board to be of LED Scrolling type with Oval, 4.3 x 5.1mm dia. Diffused. LED's having Amber colour. Dual bin system should be adopted one for recycle waste & other for dry waste. Each bin shall be with minimum capacity of 70Ltrs. Interactive Information Panel-display equipment with information area of 1400 x 1400 and touch screen LED display panel of area not less than 600-900mm with integrated 8mm toughened glass. Advertisement Area 2 nos of					
61	1100X400mm Electronic display. The electronic display board to be of LED Scrolling type with Oval, 4.3 x 5.1mm dia. Diffused. LED's having Amber colour. Dual bin system should be adopted one for recycle waste & other for dry waste. Each bin shall be with minimum capacity of 70Ltrs. Interactive Information Panel-display equipment with information area of 1400 x 1400 and touch screen LED display panel of area not less than 600-900mm with integrated 8mm toughened glass. Advertisement Area 2 nos of size 4500mm x 1650mm and 2100mm x 2000mm shall be integrated within the design					
61	1100X400mm Electronic display. The electronic display board to be of LED Scrolling type with Oval, 4.3 x 5.1mm dia. Diffused. LED's having Amber colour. Dual bin system should be adopted one for recycle waste & other for dry waste. Each bin shall be with minimum capacity of 70Ltrs. Interactive Information Panel-display equipment with information area of 1400 x 1400 and touch screen LED display panel of area not less than 600-900mm with integrated 8mm toughened glass. Advertisement Area 2 nos of size 4500mm x 1650mm and 2100mm x 2000mm shall be integrated within the design of the Bus Shelter. This shall be backlit type with SS box framing sides and back					
61	1100X400mm Electronic display. The electronic display board to be of LED Scrolling type with Oval, 4.3 x 5.1mm dia. Diffused. LED's having Amber colour.Dual bin system should be adopted one for recycle waste & other for dry waste.Each bin shall be with minimum capacity of 70Ltrs.Interactive Information Panel-display equipment with information area of 1400 x 1400 and touch screen LED display panel of area not less than 600-900mm with integrated 8mm toughened glass.Advertisement Area 2 nos of size 4500mm x 1650mm and 2100mm x 2000mm shall be integrated within the design of the Bus Shelter. This shall be backlit type with SS box framing sides and back complete.Provision for installing outdoor WiFi Router.The Foundation slab shall be					
61	1100X400mm Electronic display. The electronic display board to be of LED Scrolling type with Oval, 4.3 x 5.1mm dia. Diffused. LED's having Amber colour.Dual bin system should be adopted one for recycle waste & other for dry waste. Each bin shall be with minimum capacity of 70Ltrs. Interactive Information Panel-display equipment with information area of 1400 x 1400 and touch screen LED display panel of area not less than 600-900mm with integrated 8mm toughened glass. Advertisement Area 2 nos of size 4500mm x 1650mm and 2100mm x 2000mm shall be integrated within the design of the Bus Shelter. This shall be backlit type with SS box framing sides and back complete. Provision for installing outdoor WiFi Router. The Foundation slab shall be made in min M25 concrete. The cast iron nuts, bolts shall be rust proof hot deep					
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Sr. No.	Description	Unit	No's	L	В	Н	Qty.
3	Sharavu Temple Road	Nos.	0				0.00
4	GHS Cross Road	Nos.	0				0.00
5 6	Vithoba Temple Road	Nos. Nos.	0				0.00
7	Maidan 1st Cross Road Maidan 3rd Cross Road	Nos.	0				0.00
8	Bibi Alabi Road	Nos.	3				3.00
9	Bibi Alabi - Kanadak Road	Nos.	0				0.00
10	Maidan 4th Cross Road-Extn.	Nos.	0				0.00
11	J.M.1st Cross Road	Nos.	0				0.00
12	Mission Street Road-Extn.	Nos.	0				0.00
		Nos.		Total Qty.			3.00
62	Providing & installing of E- toilet with Super structure of the electronic toilet to have asthetic ambience with inner room size 1.2 x 0.8 x 2.4 (LXWXH)meters and Size of electronic toilet overall size in meters 2.30x1.25x2.80 (LXWXH) Total area 35 Sft. with Built-acess controlled main door and side walls made of SS Grade 304,Toilet floor and closet are to be stainless steel of grade 304.E-Toilet shall have Built-in water tank with minimum 225 Lit capacity and Acess controll using coin validator for entering the unit based on automatic payment collection mechanism exit from the unit should be manual.Automatic lights inside the unit with gloves on opening the door.E-Toilet shall be Automatic closet washing mechanism after use and Automatic platform cleaning mechanism programmed after specific numbers.In addition to these flush switch is to be provided for manual operation.Standard features should include heath faucet,exhaust fan and cloth hanger.	Nos.	4				4.00
63	The E-Toilet shall have Alert to users-different indication on 'ready to use',busy are to be provided in the unit also with Voice guidence in the unit for users. Web enabled support-GPRS based Real time data to be provided from the unit through web for knowing the health status like number of users per day and coins collected.E-toilet shall have Modular and portable design enabling easy assembling and installation at site.Call ceneter and web portal facilities for registering complience and tracking usage,coin collection etc.Status display in LED,Printed instruction stickers are to be provided.For Advertisment purpose space for advertisement dispaly to be povided on the exterior of the unit for income generation and sustainability. Backup power facility like UPS is to be provided to supplement upto 30 Min Base of the unit to be placed on a suitable concrete structure with a ashthetic finish. (Non SOR Item)						
1	(KPWD 18-19,SI.No.6.7) GHS Road	Gum	0.00	2.00	0.00	0.05	2.50
	Long Wall Short Wall	Cum Cum	8.00 8.00		0.23		3.59 0.72
2	P.M.Rao Road	Cum	0.00	0.00	0.23	0.03	0.72
	Long Wall	Cum	8.00	3.00	0.23	0.65	3.59
	Short Wall	Cum	8.00	0.60	0.23	0.65	0.72
3	Sharavu Temple Road						
	Long Wall	Cum	8.00		0.23		3.59
4	Short Wall GHS Cross Road	Cum	8.00	0.60	0.23	0.65	0.72
	Long Wall	Cum	8.00	3.00	0.23	0.65	3.59
	Short Wall	Cum	8.00		0.23	0.65	0.72
5	Vithoba Temple Road						
	Long Wall	Cum	16.00		0.23		7.18
6	Short Wall	Cum	16.00	0.60	0.23	0.65	1.44
0	Maidan 1st Cross Road Long Wall	Cum	8.00	3.00	0.23	0.65	3.59
	Short Wall	Cum	8.00		0.23		0.72
7	Maidan 3rd Cross Road		0.00	0.00	5.20	0.00	<i></i>
	Long Wall	Cum	8.00		0.23		3.59
	Short Wall	Cum	8.00	0.60	0.23	0.65	0.72
8	Bibi Alabi Road						
	Long Wall	Cum	16.00		0.23	0.65	7.18
9	Short Wall Bibi Alabi - Kanadak Road	Cum	16.00	0.60	0.23	0.65	1.44
3	Long Wall	Cum	16.00	3.00	0.23	0.65	7.18
	Short Wall	Cum	16.00		0.23		1.44
10	Maidan 4th Cross Road-Extn.						
	Long Wall	Cum	8.00		0.23		3.59
	Short Wall	Cum	8.00	0.60	0.23	0.65	0.72
11	J.M.1st Cross Road						
	Long Wall	Cum	4.00		0.23		1.79
	Short Wall	Cum	4.00	0.60	0.23	0.65	0.36
40			1	1			
12	Mission Street Road-Extn.	Cum	0 00	2 00	0 00	0 GF	2 50
12	Long Wall	Cum	8.00				3.59
12		Cum Cum Cum	8.00 8.00			0.65	3.59 0.72 62.43

Cr. No.	Description	11	Nala		D	<u> </u>	044
Sr. No.	Description KSRB15-3.8 : Providing 18mm thick cement plaster in single coat with cement mortar	Unit	No's	L	В	н	Qty.
	1:4, to brick masonry including rounding off corners wherever required smooth						
64	rendering, : Providing and removing scaffolding, including cost of materials, labour,						
64	curing complete as per specifications.(KPWD 18-19,SI No.15.16)						
1	GHS Road						
I	Long Wall	Sqm	8.00	3.00		0.45	10.80
	Short Wall	Sqm	8.00	0.60		0.45	2.16
2	P.M.Rao Road	oqiii	0.00	0.00		0.10	2.10
	Long Wall	Sqm	8.00	3.00		0.45	10.80
	Short Wall	Sqm	8.00	0.60		0.45	2.16
3	Sharavu Temple Road						
	Long Wall	Sqm	8.00	3.00		0.45	10.80
	Short Wall	Sqm	8.00	0.60		0.45	2.16
4	GHS Cross Road	0	0.00	0.00		0.45	40.00
	Long Wall	Sqm	8.00 8.00	3.00		0.45	10.80
5	Short Wall Vithoba Temple Road	Sqm	0.00	0.60		0.45	2.16
5	Long Wall	Sqm	16.00	3.00		0.45	21.60
	Short Wall	Sqm	16.00	0.60		0.45	4.32
6	Maidan 1st Cross Road						-
	Long Wall	Sqm	8.00	3.00		0.45	10.80
	Short Wall	Sqm	8.00	0.60		0.45	2.16
7	Maidan 3rd Cross Road					ĮĪ	
	Long Wall	Sqm	8.00	3.00		0.45	10.80
0	Short Wall	Sqm	8.00	0.60		0.45	2.16
8	Bibi Alabi Road Long Wall	Sam	16.00	3.00		0.45	21 60
	Long Wall Short Wall	Sqm Sqm	16.00	0.60		0.45	21.60 4.32
9	Bibi Alabi - Kanadak Road	Sqiff	10.00	0.00		0.40	4.52
5	Long Wall	Sqm	16.00	3.00		0.45	21.60
	Short Wall	Sqm	16.00	0.60		0.45	4.32
10	Maidan 4th Cross Road-Extn.						
	Long Wall	Sqm	8.00	3.00		0.45	10.80
	Short Wall	Sqm	8.00	0.60		0.45	2.16
11	J.M.1st Cross Road						
	Long Wall	Sqm	4.00	3.00		0.45	5.40
		Sqm	4.00	0.60		0.45	1.08
10	Short Wall	Oqin					
12	Mission Street Road-Extn.		8.00	2.00		0.45	10.00
12	Mission Street Road-Extn. Long Wall	Sqm	8.00	3.00		0.45	10.80
12	Mission Street Road-Extn.	Sqm Sqm	8.00	0.60		0.45 0.45	2.16
	Mission Street Road-Extn. Long Wall Short Wall Providing and fixing 450mm wide X 600mmX 20mm thk.RIVERWASHED BLACK	Sqm	8.00				
65	Mission Street Road-Extn. Long Wall Short Wall Providing and fixing 450mm wide X 600mmX 20mm thk.RIVERWASHED BLACK GRANITE CLADDING on surface of seating as directed by architect (Non SOR Item)	Sqm Sqm	8.00	0.60			2.16
	Mission Street Road-Extn. Long Wall Short Wall Providing and fixing 450mm wide X 600mmX 20mm thk.RIVERWASHED BLACK GRANITE CLADDING on surface of seating as directed by architect (Non SOR Item) GHS Road	Sqm Sqm Sqm	8.00	0.60 Total Qty.		0.45	2.16 187.92
65	Mission Street Road-Extn. Long Wall Short Wall Providing and fixing 450mm wide X 600mmX 20mm thk.RIVERWASHED BLACK GRANITE CLADDING on surface of seating as directed by architect (Non SOR Item)	Sqm Sqm	8.00	0.60			2.16
65	Mission Street Road-Extn. Long Wall Short Wall Providing and fixing 450mm wide X 600mmX 20mm thk.RIVERWASHED BLACK GRANITE CLADDING on surface of seating as directed by architect (Non SOR Item) GHS Road Bench P.M.Rao Road Bench	Sqm Sqm Sqm	8.00	0.60 Total Qty.		0.45	2.16 187.92
65	Mission Street Road-Extn. Long Wall Short Wall Providing and fixing 450mm wide X 600mmX 20mm thk.RIVERWASHED BLACK GRANITE CLADDING on surface of seating as directed by architect (Non SOR Item) GHS Road Bench P.M.Rao Road Bench Sharavu Temple Road	Sqm Sqm Sqm Sqm Sqm	8.00 4.00 4.00	0.60 Total Qty. 3.00 3.00		0.45	2.16 187.92 7.20 7.20
65 1 2 3	Mission Street Road-Extn. Long Wall Short Wall Providing and fixing 450mm wide X 600mmX 20mm thk.RIVERWASHED BLACK GRANITE CLADDING on surface of seating as directed by architect (Non SOR Item) GHS Road Bench P.M.Rao Road Bench Sharavu Temple Road Bench	Sqm Sqm Sqm Sqm	8.00 4.00	0.60 Total Qty. 3.00		0.45	2.16 187.92 7.20
65 1 2	Mission Street Road-Extn. Long Wall Short Wall Providing and fixing 450mm wide X 600mmX 20mm thk.RIVERWASHED BLACK GRANITE CLADDING on surface of seating as directed by architect (Non SOR Item) GHS Road Bench P.M.Rao Road Bench Sharavu Temple Road Bench GHS Cross Road	Sqm Sqm Sqm Sqm Sqm Sqm	8.00 4.00 4.00 4.00	0.60 Total Qty. 3.00 3.00 3.00		0.45	2.16 187.92 7.20 7.20 7.20 7.20
65 1 2 3 4	Mission Street Road-Extn. Long Wall Short Wall Providing and fixing 450mm wide X 600mmX 20mm thk.RIVERWASHED BLACK GRANITE CLADDING on surface of seating as directed by architect (Non SOR Item) GHS Road Bench P.M.Rao Road Bench Sharavu Temple Road Bench GHS Cross Road Bench	Sqm Sqm Sqm Sqm Sqm	8.00 4.00 4.00	0.60 Total Qty. 3.00 3.00		0.45	2.16 187.92 7.20 7.20
65 1 2 3	Mission Street Road-Extn. Long Wall Short Wall Providing and fixing 450mm wide X 600mmX 20mm thk.RIVERWASHED BLACK GRANITE CLADDING on surface of seating as directed by architect (Non SOR Item) GHS Road Bench P.M.Rao Road Bench Sharavu Temple Road Bench GHS Cross Road Bench Vithoba Temple Road	Sqm Sqm Sqm Sqm Sqm Sqm Sqm	8.00 4.00 4.00 4.00 4.00	0.60 Total Qty. 3.00 3.00 3.00 3.00		0.45	2.16 187.92 7.20 7.20 7.20 7.20 7.20
65 1 2 3 4	Mission Street Road-Extn. Long Wall Short Wall Providing and fixing 450mm wide X 600mmX 20mm thk.RIVERWASHED BLACK GRANITE CLADDING on surface of seating as directed by architect (Non SOR Item) GHS Road Bench P.M.Rao Road Bench Sharavu Temple Road Bench GHS Cross Road Bench Vithoba Temple Road Bench	Sqm Sqm Sqm Sqm Sqm Sqm	8.00 4.00 4.00 4.00	0.60 Total Qty. 3.00 3.00 3.00		0.45	2.16 187.92 7.20 7.20 7.20 7.20
65 1 2 3 4 5	Mission Street Road-Extn. Long Wall Short Wall Providing and fixing 450mm wide X 600mmX 20mm thk.RIVERWASHED BLACK GRANITE CLADDING on surface of seating as directed by architect (Non SOR Item) GHS Road Bench P.M.Rao Road Bench Sharavu Temple Road Bench GHS Cross Road Bench Vithoba Temple Road	Sqm Sqm Sqm Sqm Sqm Sqm Sqm	8.00 4.00 4.00 4.00 4.00	0.60 Total Qty. 3.00 3.00 3.00 3.00		0.45	2.16 187.92 7.20 7.20 7.20 7.20 7.20
65 1 2 3 4 5	Mission Street Road-Extn. Long Wall Short Wall Providing and fixing 450mm wide X 600mmX 20mm thk.RIVERWASHED BLACK GRANITE CLADDING on surface of seating as directed by architect (Non SOR Item) GHS Road Bench P.M.Rao Road Bench Sharavu Temple Road Bench GHS Cross Road Bench Vithoba Temple Road Bench Maidan 1st Cross Road	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	8.00 4.00 4.00 4.00 8.00	0.60 Total Qty. 3.00 3.00 3.00 3.00 3.00		0.45 0.60 0.60 0.60 0.60	2.16 187.92 7.20 7.20 7.20 7.20 7.20 14.40
65 1 2 3 4 5 6 7	Mission Street Road-Extn. Long Wall Short Wall Providing and fixing 450mm wide X 600mmX 20mm thk.RIVERWASHED BLACK GRANITE CLADDING on surface of seating as directed by architect (Non SOR Item) GHS Road Bench P.M.Rao Road Bench Sharavu Temple Road Bench GHS Cross Road Bench Vithoba Temple Road Bench Maidan 1st Cross Road Bench Maidan 3rd Cross Road Bench	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	8.00 4.00 4.00 4.00 8.00	0.60 Total Qty. 3.00 3.00 3.00 3.00 3.00		0.45 0.60 0.60 0.60 0.60	2.16 187.92 7.20 7.20 7.20 7.20 7.20 14.40
65 1 2 3 4 5 6	Mission Street Road-Extn. Long Wall Short Wall Providing and fixing 450mm wide X 600mmX 20mm thk.RIVERWASHED BLACK GRANITE CLADDING on surface of seating as directed by architect (Non SOR Item) GHS Road Bench P.M.Rao Road Bench Sharavu Temple Road Bench GHS Cross Road Bench Vithoba Temple Road Bench Maidan 1st Cross Road Bench Maidan 3rd Cross Road Bench	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	8.00 4.00 4.00 4.00 8.00 8.00 4.00	0.60 Total Qty. 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00		0.45 0.60 0.60 0.60 0.60 0.60 0.60 0.60	2.16 187.92 7.20 7.20 7.20 7.20 7.20 14.40 14.40 7.20
65 1 2 3 4 5 6 7 8	Mission Street Road-Extn. Long Wall Short Wall Providing and fixing 450mm wide X 600mmX 20mm thk.RIVERWASHED BLACK GRANITE CLADDING on surface of seating as directed by architect (Non SOR Item) GHS Road Bench P.M.Rao Road Bench GHS Cross Road Bench GHS Cross Road Bench Withoba Temple Road Bench Withoba Temple Road Bench Maidan 1st Cross Road Bench Bench <td>Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm</td> <td>8.00 4.00 4.00 4.00 8.00 8.00</td> <td>0.60 Total Qty. 3.00 3.00 3.00 3.00 3.00 3.00 3.00</td> <td></td> <td>0.45 0.60 0.60 0.60 0.60 0.60 0.60</td> <td>2.16 187.92 7.20 7.20 7.20 7.20 7.20 14.40 14.40</td>	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	8.00 4.00 4.00 4.00 8.00 8.00	0.60 Total Qty. 3.00 3.00 3.00 3.00 3.00 3.00 3.00		0.45 0.60 0.60 0.60 0.60 0.60 0.60	2.16 187.92 7.20 7.20 7.20 7.20 7.20 14.40 14.40
65 1 2 3 4 5 6 7	Mission Street Road-Extn. Long Wall Short Wall Providing and fixing 450mm wide X 600mmX 20mm thk.RIVERWASHED BLACK GRANITE CLADDING on surface of seating as directed by architect (Non SOR Item) GHS Road Bench P.M.Rao Road Bench Sharavu Temple Road Bench GHS Cross Road Bench Vithoba Temple Road Bench Vithoba Temple Road Bench Maidan 1st Cross Road Bench Maidan 3rd Cross Road Bench Bibi Alabi Road Bench	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	8.00 4.00 4.00 4.00 8.00 8.00 8.00 8.00	0.60 Total Qty. 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00		0.45 0.60 0.60 0.60 0.60 0.60 0.60 0.60 0.6	2.16 187.92 7.20 7.20 7.20 7.20 7.20 14.40 14.40 7.20 14.40
65 1 2 3 4 5 6 7 8 9	Mission Street Road-Extn. Long Wall Short Wall Providing and fixing 450mm wide X 600mmX 20mm thk.RIVERWASHED BLACK GRANITE CLADDING on surface of seating as directed by architect (Non SOR Item) GHS Road Bench P.M.Rao Road Bench Sharavu Temple Road Bench GHS Cross Road Bench Maidan 1st Cross Road Bench Maidan 3rd Cross Road Bench	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	8.00 4.00 4.00 4.00 8.00 8.00 4.00	0.60 Total Qty. 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00		0.45 0.60 0.60 0.60 0.60 0.60 0.60 0.60	2.16 187.92 7.20 7.20 7.20 7.20 7.20 14.40 14.40 7.20
65 1 2 3 4 5 6 7 8	Mission Street Road-Extn. Long Wall Short Wall Providing and fixing 450mm wide X 600mmX 20mm thk.RIVERWASHED BLACK GRANITE CLADDING on surface of seating as directed by architect (Non SOR Item) GHS Road Bench P.M.Rao Road Bench Sharavu Temple Road Bench GHS Cross Road Bench Maidan 1st Cross Road Bench Maidan 3rd Cross Road Bench	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	8.00 4.00 4.00 4.00 8.00 8.00 8.00 8.00	0.60 Total Qty. 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00		0.45 0.60 0.60 0.60 0.60 0.60 0.60 0.60 0.6	2.16 187.92 7.20 7.20 7.20 7.20 7.20 14.40 14.40 14.40 14.40
65 1 2 3 4 5 6 7 8 9	Mission Street Road-Extn. Long Wall Short Wall Providing and fixing 450mm wide X 600mmX 20mm thk.RIVERWASHED BLACK GRANITE CLADDING on surface of seating as directed by architect (Non SOR Item) GHS Road Bench P.M.Rao Road Bench Sharavu Temple Road Bench GHS Cross Road Bench Vithoba Temple Road Bench Maidan 1st Cross Road Bench Maidan 3rd Cross Road Bench Bibi Alabi Road Bench Bibi Alabi - Kanadak Road Bench Maidan 4th Cross Road-Extn. Bench	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	8.00 4.00 4.00 4.00 8.00 8.00 8.00 8.00	0.60 Total Qty. 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00		0.45 0.60 0.60 0.60 0.60 0.60 0.60 0.60 0.6	2.16 187.92 7.20 7.20 7.20 7.20 7.20 14.40 14.40 7.20 14.40
65 1 2 3 4 5 6 7 8 9 9	Mission Street Road-Extn. Long Wall Short Wall Providing and fixing 450mm wide X 600mmX 20mm thk.RIVERWASHED BLACK GRANITE CLADDING on surface of seating as directed by architect (Non SOR Item) GHS Road Bench P.M.Rao Road Bench Sharavu Temple Road Bench GHS Cross Road Bench Maidan 1st Cross Road Bench Maidan 3rd Cross Road Bench	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	8.00 4.00 4.00 4.00 8.00 8.00 8.00 8.00	0.60 Total Qty. 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00		0.45 0.60 0.60 0.60 0.60 0.60 0.60 0.60 0.6	2.16 187.92 7.20 7.20 7.20 7.20 7.20 14.40 14.40 14.40 14.40
65 1 2 3 4 5 6 7 8 9 9	Mission Street Road-Extn. Long Wall Short Wall Providing and fixing 450mm wide X 600mmX 20mm thk.RIVERWASHED BLACK GRANITE CLADDING on surface of seating as directed by architect (Non SOR Item) GHS Road Bench P.M.Rao Road Bench Sharavu Temple Road Bench GHS Cross Road Bench Vithoba Temple Road Bench Maidan 1st Cross Road Bench Maidan 3rd Cross Road Bench Bibi Alabi Road Bench Bibi Alabi - Kanadak Road Bench Maidan 4th Cross Road Bench J.M.1st Cross Road	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	8.00 4.00 4.00 4.00 8.00 8.00 8.00 8.00	0.60 Total Qty. 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00		0.45 0.60 0.60 0.60 0.60 0.60 0.60 0.60 0.6	2.16 187.92 7.20 7.20 7.20 7.20 14.40 14.40 14.40 14.40 7.20 14.40 14.40 3.60
65 1 2 3 4 5 6 7 8 9 10 11	Mission Street Road-Extn. Long Wall Short Wall Providing and fixing 450mm wide X 600mmX 20mm thk.RIVERWASHED BLACK GRANITE CLADDING on surface of seating as directed by architect (Non SOR Item) GHS Road Bench P.M.Rao Road Bench Sharavu Temple Road Bench GHS Cross Road Bench Maidan 1st Cross Road Bench Maidan 3rd Cross Road Bench Bibi Alabi Road Bench Bibi Alabi - Kanadak Road Bench J.M.1st Cross Road Bench J.M.1st Cross Road	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	8.00 4.00 4.00 4.00 8.00 8.00 8.00 8.00	0.60 Total Qty. 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00		0.45 0.60 0.60 0.60 0.60 0.60 0.60 0.60 0.6	2.16 187.92 7.20 7.20 7.20 7.20 14.40 14.40 14.40 14.40 7.20 14.40 7.20 14.40 7.20 14.20 7.20 14.20 7.20 14.20 7.20
65 1 2 3 4 5 6 7 8 9 10 11	Mission Street Road-Extn. Long Wall Short Wall Providing and fixing 450mm wide X 600mmX 20mm thk.RIVERWASHED BLACK GRANITE CLADDING on surface of seating as directed by architect (Non SOR Item) GHS Road Bench P.M.Rao Road Bench Sharavu Temple Road Bench GHS Cross Road Bench Vithoba Temple Road Bench Maidan 1st Cross Road Bench Maidan 3rd Cross Road Bench Bibi Alabi Road Bench Bibi Alabi - Kanadak Road Bench Maidan 4th Cross Road-Extn. Bench Maidan Street Road-Extn.	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	8.00 4.00 4.00 4.00 8.00 8.00 8.00 8.00	0.60 Total Qty. 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00		0.45 0.60 0.60 0.60 0.60 0.60 0.60 0.60 0.6	2.16 187.92 7.20 7.20 7.20 7.20 14.40 14.40 14.40 14.40 7.20 14.40 14.40 3.60
65 1 2 3 4 5 6 7 8 9 10 11	Mission Street Road-Extn. Long Wall Short Wall Providing and fixing 450mm wide X 600mmX 20mm thk.RIVERWASHED BLACK GRANITE CLADDING on surface of seating as directed by architect (Non SOR Item) GHS Road Bench P.M.Rao Road Bench Sharavu Temple Road Bench GHS Cross Road Bench Vithoba Temple Road Bench Maidan 1st Cross Road Bench Maidan 1st Cross Road Bench Maidan 3rd Cross Road Bench Bibi Alabi Road Bench Bibi Alabi Road Bench J.M.1st Cross Road-Extn. Bench J.M.1st Cross Road Bench J.M.1st Cross Road Bench J.M.1st Cross Road Bench J.M.1st Cross Road Bench J.M.1st Cross Road Bench Maidan 4th Cross Road-Extn. Bench J.M.1st Cross Road Bench J.M.1st Cross Road Bench Mission Street Road-Extn. Bench Mission Street Road-Extn. Bench Mission Street Road-Extn. Bench Mission Street Road-Extn. Bench	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	8.00 4.00 4.00 4.00 8.00 8.00 8.00 8.00	0.60 Total Qty. 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00		0.45 0.60 0.60 0.60 0.60 0.60 0.60 0.60 0.6	2.16 187.92 7.20 7.20 7.20 7.20 14.40 14.40 14.40 14.40 7.20 14.40 14.40 7.20 14.40 7.20 14.20 7.20 14.20 7.20 14.20 7.20
65 1 2 3 4 5 6 7 8 9 10 11 12	Mission Street Road-Extn. Long Wall Short Wall Providing and fixing 450mm wide X 600mmX 20mm thk.RIVERWASHED BLACK GRANITE CLADDING on surface of seating as directed by architect (Non SOR Item) GHS Road Bench P.M.Rao Road Bench Sharavu Temple Road Bench GHS Cross Road Bench Vithoba Temple Road Bench Maidan 1st Cross Road Bench Maidan 1st Cross Road Bench Bibi Alabi Road Bench Bibi Alabi - Kanadak Road Bench Maidan 4th Cross Road Bench Maidan 4th Cross Road Bench Maidan aft Cross Road Bench Mitan 4th Cross Road Bench Maidan 4th Cross Road Bench Maidan 4th Cross Road Bench Maidan 4th Cross Road Bench Maidan 4th Cross Road Bench Maidan 4th Cross Road Bench Maidan 4th Cross Road Bench Mission Street Road-Extn. Bench Mission Street Road-Extn. Bench Bibi Alabi Road Bench Bibi Alabi Road Bench Bibi Alabi Road Bench Bibi Alabi Road Bench Bibi Alabi Road Bench Bibi Alabi Road Bench Bibi Alabi Road Bibi Alabi Road Bench Bibi A	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	8.00 4.00 4.00 4.00 8.00 8.00 8.00 8.00	0.60 Total Qty. 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00		0.45 0.60 0.60 0.60 0.60 0.60 0.60 0.60 0.6	2.16 187.92 7.20 7.20 7.20 7.20 14.40 14.40 7.20 14.40 7.20 14.40 7.20 14.40 7.20 14.40 7.20 14.40 7.20 14.40 20.00
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65 1 2 3 4 5 6 7 8 9 10 11 12 66 1 2 3 4	Mission Street Road-Extn. Long Wall Short Wall Providing and fixing 450mm wide X 600mmX 20mm thk.RIVERWASHED BLACK GRANITE CLADDING on surface of seating as directed by architect (Non SOR Item) GHS Road Bench P.M.Rao Road Bench Sharavu Temple Road Bench GHS Cross Road Bench GHS Cross Road Bench Maidan 1st Cross Road Bench Maidan 1st Cross Road Bench Maidan 3rd Cross Road Bench Bibi Alabi Road Bench Bibi Alabi Road Bench Midan 4th Cross Road-Extn. Bench Mission Street Road-Extn. Bench Chy Cross Road Chy Cross Road Chy Cross Road Chy Cross Road Chy Cross Road Chy Cross Road	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	8.00 4.00 4.00 4.00 8.00 8.00 8.00 8.00	0.60 Total Qty. 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00		0.45 0.60 0.60 0.60 0.60 0.60 0.60 0.60 0.6	2.16 187.92 7.20 7.20 7.20 7.20 14.40 14.40 7.20 14.40 7.20 14.40 7.20 14.40 7.20 14.40 7.20 20.00 8.00 8.00 8.00 8.00
65 1 2 3 4 5 6 7 8 9 10 11 12 66 1 2 3 4 5 5 6 1 1 2 3 4 5 5 6 6 7 8 9 9 10 10 10 10 10 10 10 10 10 10	Mission Street Road-Extn. Long Wall Short Wall Providing and fixing 450mm wide X 600mmX 20mm thk.RIVERWASHED BLACK GRANITE CLADDING on surface of seating as directed by architect (Non SOR Item) GHS Road Bench P.M.Rao Road Bench GHS Cross Road Bench GHS Cross Road Bench Maidan 1st Cross Road Bench Maidan 3rd Cross Road Bench Bibi Alabi Road Bench Bibi Alabi Road Bench Bibi Alabi Road Bench Bibi Alabi Road Bench Bibi Alabi - Kanadak Road Bench Bibi Alabi - Kanadak Road Bench Bibi Alabi - Kanadak Road Bench Mission Street Road-Extn. Bench Mission Street Road-Extn. Bench Vintoba Temple Road GHS Cross Road Vithoba Temple Road	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	8.00 4.00 4.00 4.00 4.00 8.00 8.00 8.00 4.00 8.00 0 8.00 0 8.00 0 8.00 0 8.00 0 8.00 0 8.00 0 8.00 0 8.00	0.60 Total Qty. 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00		0.45 0.60 0.60 0.60 0.60 0.60 0.60 0.60 0.6	2.16 187.92 7.20 7.20 7.20 7.20 14.40 14.40 7.20 14.40 7.20 14.40 7.20 14.40 7.20 14.40 7.20 20.00 8.00 8.00 8.00 8.00 4.00
65 1 2 3 4 5 6 7 8 9 10 11 12 66 1 2 3 4 5 6 1 2 6 6 1 1 2 5 6 6 7 8 9 9 10 10 10 10 10 10 10 10 10 10	Mission Street Road-Extn. Long Wall Short Wall Providing and fixing 450mm wide X 600mmX 20mm thk.RIVERWASHED BLACK GRANITE CLADDING on surface of seating as directed by architect (Non SOR Item) GHS Road Bench P.M.Rao Road Bench Sharavu Temple Road Bench Vithoba Temple Road Bench Maidan 1st Cross Road Bench Bibi Alabi Road Bench Bibi Alabi Road Bench Bibi Alabi Road Bench Bibi Alabi Road Bench Maidan 4th Cross Road-Extn. Bench Midgan 4th Cross Road-Extn. Bench Mission Street Road-Extn. Bench Mission Street Road-Extn. Bench Mission Street Road-Extn. Bench Mission Street Road-Extn. Bench Mission Street Road-Extn. Bench Mission Street Road-Extn. Bench Mission Street Road-Extn. Bench Mission Street Road-Extn. Bench Mission Street Road-Extn. Bench Mission Street Road-Extn. Bench Providing and fixing of S.S. Bollards(SS304) on footpath as specified and directed by Engineer -in-charge (NON SOR Item) GHS Road Ph.M.Rao Road Sharavu Temple Road Misatan 1st Cross Road	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	8.00 4.00 4.00 4.00 8.00 8.00 8.00 8.00	0.60 Total Qty. 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00		0.45 0.60 0.60 0.60 0.60 0.60 0.60 0.60 0.6	2.16 187.92 7.20 7.20 7.20 7.20 14.40 14.40 7.20 14.40 7.20 14.40 7.20 14.40 7.20 14.40 20.00 8.00 8.00 8.00 8.00 8.00 8.00 8.00
65 1 2 3 4 5 6 7 8 9 10 11 12 66 1 2 3 4 5 6 7 7 8 9 10 11 12 6 7 7 8 9 10 11 12 7 8 9 10 11 12 10 10 10 10 10 10 10 10 10 10	Mission Street Road-Extn. Long Wall Short Wall Providing and fixing 450mm wide X 600mmX 20mm thk.RIVERWASHED BLACK GRANITE CLADDING on surface of seating as directed by architect (Non SOR Item) GHS Road Bench P.M.Rao Road Bench Sharavu Temple Road Bench OHS Cross Road Bench Vithoba Temple Road Bench Maidan 1st Cross Road Bench Maidan 1st Cross Road Bench Bibi Alabi Road Bench Bibi Alabi Road Bench J.M.1st Cross Road-Extn. Bench Maidan 4th Cross Road-Extn. Bench J.M.1st Cross Road Bench J.M.1st Cross Road Bench Mission Street Road-Extn. Bench Providing and fixing of S.S. Bollards(SS304) on footpath as specified and directed by Engineer -in-charge (NON SOR Item) GHS Road Sharavu Temple Road GHS Cross Road Sharavu Temple Road Sharavu Temple Road Sharavu Temple Road GHS Cross Road Sharavu Temple Road GHS Cross Road Vithoba Temple Road Sharavu Temple Road GHS Cross Road	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	8.00 4.00 4.00 4.00 4.00 8.00 8.00 8.00 8.00 8.00 0 8.00	0.60 Total Qty. 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00		0.45 0.60 0.60 0.60 0.60 0.60 0.60 0.60 0.6	2.16 187.92 7.20 7.20 7.20 7.20 7.20 14.40 14.40 7.20 14.40 7.20 14.40 7.20 14.40 7.20 14.40 20.00 8.00 8.00 8.00 8.00 8.00 6.00
65 1 2 3 4 5 6 7 8 9 10 11 12 66 1 2 3 4 5 6 7 8 8 9 10 11 12 5 6 7 8 8 9 10 11 12 10 11 12 10 10 10 10 10 10 10 10 10 10	Mission Street Road-Extn. Long Wall Short Wall Providing and fixing 450mm wide X 600mmX 20mm thk.RIVERWASHED BLACK GRANITE CLADDING on surface of seating as directed by architect (Non SOR Item) GHS Road Bench P.M.Rao Road Bench Sharavu Temple Road Bench GHS Cross Road Bench Withoba Temple Road Bench Maidan 1st Cross Road Bench Maidan 1st Cross Road Bench Bibi Alabi Road Bench Maidan 4th Cross Road Bench Mission Street Road-Extn. Bench Mission Street Road-Extn. Bench Providing and fixing of S.S. Bollards(SS304) on footpath as specified and directed by Engineer -in-charge (NON SOR Item) Charavu Temple Road Sharavu Temple Road Sharavu Temple Road Sharavu Temple Road Bench Mission Street Road-Extn. Bench Providing and fixing of S.S. Bollards(SS304) on footpath as specified and directed by Engineer -in-charge (NON SOR Item) CHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Sharavu Temple Road Maidan 1st Cross Road Maidan 1st Cross Road Maidan 1st Cross Road Maidan 1st Cross Road Maidan 1st Cross Road Maidan 1st Cross Road Maidan 1st Cross Road Maidan 1st Cross Road Maidan 1st Cross Road Maidan 1st Cross Road Maidan 1st Cross Road Maidan 1st Cross Road Maidan 1st Cross Road Maidan 1st Cross Road Maidan 1st Cross Road Maidan 1st Cross Road	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	8.00 4.00 4.00 4.00 8.00 8.00 8.00 8.00 8.00 8.00 8.0	0.60 Total Qty. 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00		0.45 0.60 0.60 0.60 0.60 0.60 0.60 0.60 0.6	2.16 187.92 7.20 7.20 7.20 7.20 7.20 14.40 14.40 7.20 14.40 7.20 14.40 7.20 14.40 7.20 14.40 20.00 8.00 7.20 8.0
65 1 2 3 4 5 6 7 8 9 10 11 12 66 1 2 3 4 5 6 1 2 3 4 5 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 8 9 7 8 8 9 7 8 8 9 7 8 8 9 7 8 8 9 7 8 8 9 7 8 8 9 7 8 8 9 7 8 8 9 8 8 9 8 8 9 8 8 9 8 8 9 8 8 9 8 8 8 9 8 8 8 8 9 8 8 8 9 8 8 8 8 8 8 8 8 8 8 8 8 8	Mission Street Road-Extn. Long Wall Short Wall Providing and fixing 450mm wide X 600mmX 20mm thk.RIVERWASHED BLACK GRANITE CLADDING on surface of seating as directed by architect (Non SOR Item) GHS Road Bench P.M.Rao Road Bench Sharavu Temple Road Bench GHS Cross Road Bench Maidan 1st Cross Road Bench Maidan 1st Cross Road Bench Maidan 3rd Cross Road Bench Bibi Alabi Road Bench Bibi Alabi Road Bench Mission Street Road-Extn. Bench Mission Street Road-E	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	8.00 4.00 4.00 4.00 8.00 8.00 8.00 8.00 8.00 4.00 0 8.00 0 8.00 0 8.00 0 8.00 0 8.00 0 8.00 0 8.00 0 8.00 0 8.0	0.60 Total Qty. 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00		0.45 0.60 0.60 0.60 0.60 0.60 0.60 0.60 0.6	2.16 187.92 7.20 7.20 7.20 7.20 14.40 14.40 14.40 7.20 7.20 14.40 7.20 7.00 7
65 1 2 3 4 5 6 7 8 9 10 11 12 66 1 2 3 4 5 6 1 2 3 4 5 6 7 8 9 10 11 12 5 6 7 8 9 9 10 10 11 12 12 10 10 10 10 10 10 10 10 10 10	Mission Street Road-Extn. Long Wall Short Wall Providing and fixing 450mm wide X 600mmX 20mm thk.RIVERWASHED BLACK GRANITE CLADDING on surface of seating as directed by architect (Non SOR Item) GHS Road Bench P.M.Rao Road Bench Sharavu Temple Road Bench GHS Cross Road Bench Withoba Temple Road Bench Maidan 1st Cross Road Bench Maidan 1st Cross Road Bench Bibi Alabi Road Bench Maidan 4th Cross Road Bench Mission Street Road-Extn. Bench Mission Street Road-Extn. Bench Providing and fixing of S.S. Bollards(SS304) on footpath as specified and directed by Engineer -in-charge (NON SOR Item) Charavu Temple Road Sharavu Temple Road Sharavu Temple Road Sharavu Temple Road Bench Mission Street Road-Extn. Bench Providing and fixing of S.S. Bollards(SS304) on footpath as specified and directed by Engineer -in-charge (NON SOR Item) CHS Road P.M.Rao Road Sharavu Temple Road GHS Cross Road Sharavu Temple Road Maidan 1st Cross Road Maidan 1st Cross Road Maidan 1st Cross Road Maidan 1st Cross Road Maidan 1st Cross Road Maidan 1st Cross Road Maidan 1st Cross Road Maidan 1st Cross Road Maidan 1st Cross Road Maidan 1st Cross Road Maidan 1st Cross Road Maidan 1st Cross Road Maidan 1st Cross Road Maidan 1st Cross Road Maidan 1st Cross Road Maidan 1st Cross Road	Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm Sqm	8.00 4.00 4.00 4.00 8.00 8.00 8.00 8.00 8.00 8.00 8.0	0.60 Total Qty. 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00		0.45 0.60 0.60 0.60 0.60 0.60 0.60 0.60 0.6	2.16 187.92 7.20 7.20 7.20 7.20 7.20 14.40 14.40 7.20 14.40 7.20 14.40 7.20 14.40 7.20 14.40 20.00 8.00 7.20 8.0

Sr. No.	Description	Unit	No's	L	В	Н	Qty.
							146.00
	Providing and fixing of railing as detail design in MS HOLLOW SECTION and bars (
67	shop drawing to be approved), with vertical support of 0.9m @2.2mc/c , all complete						
0.	to the satisfaction of the Landscape architect.(Non SOR Item)						
	Handrail						
	Road						
	RHS	Rm	1	200			200.00
	LHS	Rm	1	200			200.00
		Rm				A=	400.00
	Hand Rail of length2.4 meter Steel Qty.					Wt/Rm	
	Horizontal Member-M.S.Box 25x25x3.2mm thk.	KG		3	2.4	4.536	32.66
	Vertical Member-M.S. Box 50x25x3.2mm thk.	KG		1	1.375	7.368	10.13
	Verical Bar-Dia 16mm	KG		20	0.475	0.7493296	7.12
					Area	Thk	
	Logo Plate	KG		1	0.07065	0.001	0.000071
	×					Total Wight	
		KG				for 2.4 m	49.91
						Railing (A)	10101
	Railing per 1m Weight(A / 2.4 m)	KG				B=	20.8
						5-	20.0
	Total Railing Weight (A x B)	МТ					8.32
							0.02
	Providing and Fixing SS 304 Outdoor Dustbin(Pivoted Type and Mounted on SS						
68	Poles) of 55 liters capacity all complete to the satisfaction of the Engineer in charge.						
00	(NON SOR Item)						
4	GHS Road	Nee	4				4.00
1		Nos.	4				4.00
2	P.M.Rao Road	Nos.	2				2.00
3	Sharavu Temple Road	Nos.	2				2.00
4	GHS Cross Road	Nos.	2				2.00
5	Vithoba Temple Road	Nos.	5				5.00
6	Maidan 1st Cross Road	Nos.	1				1.00
7	Maidan 3rd Cross Road	Nos.	2				2.00
8	Bibi Alabi Road	Nos.	5				5.00
9	Bibi Alabi - Kanadak Road	Nos.	5				5.00
10	Maidan 4th Cross Road-Extn.	Nos.	2				2.00
11	J.M.1st Cross Road	Nos.	3				3.00
12	Mission Street Road-Extn.	Nos.	2				2.00
		Nos.			Total Qt	<i>I</i> .	35.00
	KSRRB M300-14. Half brick circular tree guard, in 2nd class brick, internal diametre						
	1.25 metres, and height 1.2 metres, above ground and 0.20 metre below ground,						
	bottom two courses laid dry, and top three courses in cement mortar 1:6 (1 cement 6						
69	sand) and the intermediate courses being in dry honey comb masonry, as per design	Nos.	20				20.00
00	complete, complete as per specifications.KSRRB M300-Edging with 2nd class bricks,	1100.	20				20.00
	laid dry lengthwise						
	Extra Load for Dispessing off upper viscoble motorials up to 10 km beyond initial Load of						
	Extra Lead for Disposing off unserviceable materials upto 10 Km beyond initial Lead of	•	4.00				
70	5 km	Cum	1.00	12413.16			12413.16
	Item No 17.4 KSRRB M100-4.1-Earth						
	Extra Lead for Disposing off unserviceable materials upto 10 Km beyond initial Lead of						
71	5km Item No 17.4 KSRRB M100-4.1-Debris	Cum	1.00	11254.96			11254.96

ASSISTANT ENGINEER MSCL MANGALURU ASSISTANT EXECUTIVE ENGINEER MSCL MANGALU

EXECUTIVE ENGINEER MSCL MANGALURU GM TECHNICAL MSCL MANGALURU

Name of the Work :- Mangalore Smart City 1.2 Rate Analysis of Road & Other Work for DPR 7

1	Taking out existing CC interlocking paver blocks from footpath/ co etc., disposal of unserviceable material to the dumping ground, for and stacking of serviceable material within 50 metre lead as attached)	which p	ayment shall be	made separately
	Basic rate		68.16	
	Add 10% For area weightage (Mangalore City)		6.82	
		Rate	74.98	Sam
		Rale	/4.90	Sqiii
2	KSRRB M200.Dismantling of cement concrete pavement by tools,breaking to pieces not exceeding 0.02 cum in volume and disposal of dismantled material stacking serviceble and unservicea specifications.MORTH specification No.202.(Including transporting 5km-Extra) (SI No : 18.47)	stock pil able mate	lling at designate erials separately	ed locations and complete as per
	Basic rate		899	
	Initial Lead of 5km		13	
	Add 10% For area weightage (Mangalore City)	Data	89.9	•
		Rate	1001.90	Cum
3	KSRRB M200-Dismantaling of kerb Stone and Channel KSRRB M Manual means and disposal of dismantled materials with all lifts an MORTH Specification No.202. (Page No.139,S.I.No.18.49)		-	
	Basic rate		12.00	
	Add 10% For area weightage (Mangalore City)		1.2	
		Rate	13.20	Rmt
		Nate	13.20	NIII
4	KSRRB M200-13.1. Dismantling of existing structures like culv structure comprising of masonry, cement concrete, wood work, s wherever necessary, sorting the dismantled material, disposal of serviceable material with all lifts complete as per specifications Concrete Grade M-15 &M-20. MORTH Specification No. 202 (KPW	steel wor unservic s. II. By	k, including T&P ceable material a Mechanical Me	and scaffolding and stacking the
	Basic rate		390	
	Add 10% For area weightage (Mangalore City)		39	
		.		_
		Rate	429.00	Cum
5	KSRRB M200-17.2. Dismantling of existing structures like culv structure comprising of masonry, cement concrete, wood work, s wherever necessary, sorting the dismantled material, disposal of serviceable material with all lifts complete as per specifications. v Height of 5 m above plinth level excluding Cutting of Rivet– B. Excl (KPWD SOR 18-19,18.33)	steel wor unservic)Steel wo	k, including T&P ceable material a ork in all types of	and scaffolding and stacking the
	Basic rate		1893	
	Add 10% For area weightage (Mangalore City)		189.3	
		Rate	2082.30	МТ
		nuto	2002.00	
6	KSRRB 300-50. Scarifying bituminous course 50mm to 75mm dressing by road roller attached with scarifier without disturbing th cost of all labour charges, HOM of machineries complete as per sp	ne base a	and stacking the	debris including
	SI No.19.56)			ection 5.(KSRRB
	SI No.19.56) Basic rate		39	
	SI No.19.56)	Rate		

	KSRRB 300-46. Scarifying stone metal crust 50mm to 100mm thic	k by road	roller with scarif	ier along with
	20mm premix carpet / surface dressing and stacking of old service	•		•
7	charges, HOM of machinaries complete as per specifications. MOF			
				,
	Basic rate		39	
	Add 10% For area weightage (Mangalore City)		3.9	•
		Rate	42.90	Sqm
	KSRRB M200-12.1. Dismantling of existing structures like culv			
	structure comprising of masonary, cement concrete, woodwork, s			
8	wherever necessary, sorting the dismantled material, disposal of	unservio	ceable material a	and stacking the
0	serviceable material with all lifts complete as per specifications.			
	i)Dismantaling Brick/Tile work B.In Cement mortar			
	(SI No : 18.23)			
	Basic rate		351	
	Add 10% For area weightage (Mangalore City)		35.1	
		Rate	386.10	Cum
_	Removing B.S slab of drain and stackin as directed by engineer in	charge (F	- PWD 18-19 SI No) : 5.32)
9				
	Basic rate		98	
	Add 10% For area weightage (Mangalore City)		9.8	
		Rate	107.80	Sam
				• •
	KSRRB M800-Permanent type barricade in construction zone	KSRRB	M800-44 1 Cc	Instruction of a
	permanent type barricade made of steel components, 1.5 m high fi			
10	200 mm wide and 4 m long on 50 x 50 x 5 mm angle iron vertic			
10	strips, 150 mm in width at an angle of 45°, complete as per IRC:SF			
	A. With steel components (SI No : 24.45)	.00 201		
	Basic rate		3829	
	Add 10% For area weightage (Mangalore City)		382.9	
		Rate	4211.90	
		Nate	4211.50	Lacin
	KSRRB M300-14. Excavation for roadwork in all types of soil with	bydraulic	excavator of 0.9	bucket canacity
	including cutting and loading in tippers, trimming bottom and side s			
	lines and grades and cross sections, and transporting disposal loca			
11	as per specifications.	alon up a		
	MORTH specification No.301			
	(SI No : 19.14)			
	Basic rate for 1KM		41	
	Extra for carriage beyond 1km and upto 5km		10.24	
	Add 10% For area weightage (Mangalore City)		5.12	•
		Rate	56.36	Cum
		L		
	KSRB 2-4 : Refilling available earth around pipe lines, cables i			
12	compacting each deposited layer by ramming after watering w			lift upto 1.5 m.
	including cost of all labour complete as per specifications.(KPWD 1	18-19,SI I	No.2.11)	
	Basic rate		120	
	Add 10% For area weightage (Mangalore City)		12	
		Rate	132.00	Cum
			.02.00	
	KSRRB 300-Compaction KSRRB 300-58. Compaction of original g	Iround wi	th maximum of 6	passes of 8 to
40	10 tonnes power roller including filling in depression occuring during			•
13	of machinery complete as per specifications. MORTH / Chapter 3	g ronnig i	nordanny cost of a	
		n	1	
	Basic rate		6	
	Add 10% For area weightage (Mangalore City)		0.6	
		Rate	6.60	Sqm
			I	

14	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix M15 Grade with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregates @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per					
	specifications. Specification No. KBS 4.1, 4.2. (SI.No. 4.6 of KPWD 18-19)					
	Basic Rate		5900			
	Add 10% For area weightage (Mangalore City)	Rate	590 6490.00	Cum		
		Nate	0430.00	oum		
	KSRRB 400 Granular Sub-Base with Coarse Graded Material (tabl	,				
	granular sub-base by providing Coarse graded crushed stone age		•			
15	speading in uniform layers with motor grader on prepared surfa rotavator at OMC, and compacting with vibratory roller to achie MORTH specifications clause 401 and Table 400-1 Grading VI. (SI.No.20.4 of KPWD SR 2018-19)					
	Basic Rate		2166			
	Add 10% For area weightage (Mangalore City)	D uti	216.6			
		Rate	2382.60	Cum		
16	KSRRB M400-6.1. Construction of granular sub-base by providing close graded crushed stone aggregates of granite / trap / basalt material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with Plate compactor to achieve the desired density, complete as per specifications. A. Plant Mix Method Close graded granular sub-base material as per 400-1 For Grading- II Material (RA Attached)					
	Basic Rate		2400			
	Add 10% For area weightage (Mangalore City)		240			
		Rate	2640.00	Cum		
17	KSRB 4.2.1 : Providing and laying in position reiforcement cement concrete of design Mix M25 with OPC cement @340Kgs,with 20mm and down size graded granite metal coarse aggregate @ 0.47 cum with super plasticisers @3 liters confirming to IS 9103-1999 reafirmed -2008 at machine mixed,concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls,return walls,walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks,anchor blocks & plinths etc.,Including cost of labour,HOM of machinery,curing,complete but excluding cost of reinforcement as per specifications. (SI No : 4.10 of KPWD 18-19)					
	Basic Rate		6198			
	Add 10% For area weightage (Mangalore City)		619.8			
		Rate	6817.80	Cum		
18	KSRB 4.6.1 Providing and removing centering, shuttering, strutting, propping etc.,and removal of formwork for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No. KSB 4.6.2 (SI No : 4.28 of KPWD 18-19)					
	Basic Rate		263			
	Add 10% For area weightage (Mangalore City)		26.3			
		Rate	289.30	Sqm		
19	KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work including straighting,cutting,bending,hooking,placing in position,lapping and/or welding wherever required,tying with binding wire and anchoring to thr adjoing members wherever necessary complete as per design (laps,hooks and wastage shall not be measured and paid) cost of materials,labour,HOM of machinary complete as per specifications.Specification No. KBS4.6.3. do with TMT bars Fe500 (SI No : 4.46.2 of KPWD 18-19)					
	Basic Rate	ļ	70782			
	Add 10% For area weightage (Mangalore City)	Poto	7078.2			
	Pae 90	Rate	77860.20	IVI I		

20	sub-grade with a grading to requir cations (including liler to 97% of pro	ed slope and cost of earth,				
	Basic Rate		513			
	Add 20km lead (17.4 KSRRB M100-4.1-Cost of haulage excluding loading and unloading MORTH-100/Chapter 1-case 1-Surface Road)=2.0Rs/ Tkm x 1.28 T x 20km		51.2			
	Sub Total		564.2			
	Add 10% For area weightage (Mangalore City)		56.42			
		Rate	620.62	Cum		
21	KSRRB M600-1.Construction of dry lean cement concrete mix M1 25mm and down size graded granite/trap/basalt metal coarse agg 0.58cum Sub-base over prepared sub grade with (coarse an aggregate cement ration not to excee 15:1. Aggregate gradation cement content to be determined during trail length construction 10Mpa at 7 days,mixed in a batching plant,transported to sensor,compacting with 8-10 tonnes double drum vibratory roll specifications.Morth specification No.601 (SI No : 22.1.1 of KPWD 18-19)	pregate a ld fine a after ble n, concre site,laid	t 0.86cum and fi aggregate confirr nding to be as p ete strength not with a paver	ne aggregate @ ming to IS:383) per Table 600-1, to be less than with electronic		
	Basic Rate		4048			
	Add 10% For area weightage (Mangalore City)		404.8			
		Rate	4452.80			
		Nate	4452.00	Uum		
22	KSRRB M600-1.Construction of dry lean cement concrete mix M15 with 1:5:10 OPC cement @1600 25mm and down size graded granite/trap/basalt metal coarse aggregate at 0.86cum and fine aggre 0.58cum Sub-base over prepared sub grade with (coarse and fine aggregate confirming to aggregate cement ration not to excee 15:1. Aggregate gradation after blending to be as per Table cement content to be determined during trail length construction, concrete strength not to be le 10Mpa at 7 days,mixed in a batching plant,transported to site,Manually laid and compacting w compactor,finishing and curing complete as per MORTH specifications Clause 601. (RA attached)					
	Basic Rate		3680			
	Add 10% For area weightage (Mangalore City)		368			
		Rate	4048.00	Cum		
23	Providing and laying cement concrete using 20mm and down aggregates of ready mixed concrete for RCC works laid in 15 em vibrating curing etc., for all super structure works with all lead an steel and fabrication charges) Note : The RMC should be obtained only from the plants cen CE, C&B letter, AE2, 2015-16, Dt. 12-09-2015 Ready mixed Cement concrete M-25 (KPWD,4.49.2)	thick laye d lift etc.	ers and well com , complete. (exc	pacted including ulsive of cost of		
	Basic Rate		5497			
	Add 10% For area weightage (Mangalore City)		549.7			
		Rate	6046.70	Cum		
			00-0.10			

24	KSSRRB M600-2.Construction of unreinforced,dowel jointed,pla prepared sub base with 25mm and down size graded granite metal 3 lts confirming to IS9103-1999 reaffirmed 2008(Coarse and fine ag batching and mixing plant as per approved mix design,transpo spread,compacted and finished in a continuos operation inclu- construction and longitudinal joints,including groove cutting chr sealent primer, joints sealant, debonding strip, dowel bars, ti- compound,finishing to lines and grades as per drawing complet 602.with M40 @420Kg per cum Cement,C.A,0.67 cum F.A.044Cur (SI No : 22.2.2 of KPWD 18-19) Basic Rate Add 10% For area weightage (Mangalore City)	coarse a ggregate rted to s ding pro ges, joir e rod, a te as pe n Rate	aggregate with su conforming to IS site,laid with a fi vision of contra nts filler,separation admixtures as a r MORTH speci 5765 576.5 6341.50	iperplastisizer at :383) mixed in a xed form paver ction, expansio, on memberane, pproved, curing fications Clause	
25	Providing and placing joint sealant compound of cold polysulphide in the grooves after widening the groov to required width, sand blasting the groove face if recommended by the sealant manufacturer, cleaning th groove with air compressor, insertion of debonding strip, priming the sides of the sealant if the sealar manufacturer recommends and pouring the sealant all complete including material, manpower and a shown on drawing and as per MORTH specifications clause 602. (Non SOR Item)				
	Rate Approved as per EOI by MD MSCL Mangalore,Refer Sr.No.2	Rate	115	Rmt	
26	KSRRB 3000 Repair of Joint Grooves with Epoxy Mortar KSRRB M3000-8 Repairs of spalled joints grooves of contraction joints longitudinal joints and expansion joints in concrete pavement using epoxy mortar concrete complete as per specifications.Morth specification No.3005.1 (SI No : 35.8 of KPWD 18-19)				
	Basic Rate		331		
	Add 10% For area weightage (Mangalore City)	Dete	33.1	Dent	
		Rate	364.10	RMt	
27	Providing and laying at or near ground level factory made Median k in position to the required line, level and curvature, jointed with sand), including making joints with or without grooves (thickness of more than 5mm), including making drainage opening wherever req (Precast C.C. kerb stone shall be approved by Engineer-in-charge) (RA Attached)	cement of joints e uired con	mortar 1:3 (1 ce except at sharp c	ement: 3 coarse urve shall not to	
	Rate Arrived as per Rate analysis				
	Basic Rate		17708.82		
	Add 10% For area weightage (Mangalore City)		1770.88		
		Rate	19479.70	Cum	
28	Providin and fixing pre cast solid concrete Kerb stones as per Jointed with CM 1:3 and finishing cutting, including cost machinery,loading,unloading,lead and lift,transportation etc.,comple (SI No : 5.3 of KPWD 18-19)	of all n	•		
	Basic Rate of one kerb stone of M15 Grade =0.0279 cum	Rate	421		
	Rate for 1 cum of Kerb stone		15089.61		
	Add diferance in cement content of M15 to M20 Grade		392		
	Total Rate Add 10% For area weightage (Mangalore City)		15481.61 1548.16		
		Rate	17029.77	Cum	
29	Providin and fixing pre cast solid concrete water table(longitudina CC M20 and jointed with CM 1:3 and finishing cutting, including c	• /	•	-	

	Basic Rate of one kerb stone of M15 Grade =0.0279 cum	Rate	421				
	Rate for 1 cum of Water Table		15089.61				
	Add diferance in cement content of M15 to M20 Grade		392				
	Total Rate		15481.61				
	Add 10% For area weightage (Mangalore City)		1548.16				
		Rate	17029.77	Cum			
	Reusing existing kerb stone obtained from dismantaling of existing						
	and laying at or near ground level in position to the required line, le			with			
	cement mortar 1:3 (1 cement: 3 coarse sand), including making joi						
30	grooves (thickness of joints except at sharp curve shall not to more			a a manufacta a sta			
	including transportation to site from stack yard, making drainage of as per direction of Engineer-in-charge (length of finished kerb edgi						
	(Precast C.C. kerb stone shall be approved by Engineer-in-charge			payment).			
		,.					
	Basic Rate (RA Attached)		52.94				
	Add 10% For area weightage (Mangalore City)		52.94				
		Rate	58.23				
		Nate	50.25				
	KSRRB 800-1. Painting two coats after filling the surface with syntl	netic enar	mel paint in appr	oved shades on			
31	new plastered concrete surfaces, with materials, labour complete a						
	(SI No : 24.1 of KPWD 18-19)						
	Basic Rate		80				
	Add 10% For area weightage (Mangalore City)		8				
		Rate	88	Sqm			
32	P/F FRP Recess Cover (2.5T) 900mmx600 mm with frame on Ma	nhole for	electrical ducting	j .			
02	(Rate analysis attached)						
	Rate Arrived as per Rate analysis	1	40704	1			
	Basic Rate Discount 30%		10764 -3229.2				
	Sub Total		-3229.2				
	Fixing Charges @5%		376.74				
		Rate	7911.54				
		nato					
	P/F FRP Recess Cover (2.5T) 600mmx450 mm with frame at raise	ed footpat	th on SWD.	I			
33	(Rate analysis attached)	•					
	Basic Rate		7179				
	Discount 30%		-2153.7				
	Sub Total		5025.3				
	Fixing Charges @5%		251.265				
		Rate	5276.565	Nos.			
	D/E EDD Mater gully appear with frame (2ET) 600mmyE00 mm at 4		ath				
34	P/F FRP Water gully cover with frame (25T) 600mmx500 mm at le (Rate analysis attached)	evel tootp	ath.				
0.							
	Basic Rate		10765				
	Discount 30%		-3229.5				
	Sub Total		7535.5				
	Fixing Charges @5%		376.775				
		Rate	7912.28	NOS.			
	Decising membels source and frame to the restinged read too lower		the remainer	l			
	Raising manhole cover and frame to the required road top level raising of MH top wall in RCC M25 and refixing the same cover in						
35	of all materials, labour, etc. complete.	nohei ho		Shinchuung COSt			
		1					
	Basic Rate		1804				
		Rate	1804	Nos.			
			1	1			

	KSRRB M300- Wrought iron and mild steel welded work KSRR welded work (using angles, square bars, tees and channel grills, gu guards of any size and design etc. including cost of screens and	ratings wi	ith grating frame	s, gates and tree	
36	fixed in position but without the cost of excavation and concrete complete as per specifications.(KPWD,18-19,SI.No.19.97)	-			
	Basic Rate		7187		
	Add 10% For area weightage (Mangalore City)		718.7		
		Rate	7905.7	Quintal	
	KCDD 40.0.0 . Construction brief, measure increation aborrhom	500,700		a danth (alaan	
37	KSRB 12-8.2 : Constructing brick masonry inspection chamber inside dimension) for pipeline with one or two inlets, using tab designation 50 in cement mortar 1:5, C.I cover with frame (light du weight of cover with frame to be not less than 38 kg (weight of R.C.C. top slab with cement concrete M 15 with 20mm and downs 5 with 40mm and downsize granite metal inside plastering 12m smooth with a floating coat of cement on walls and bed concrete of cost of materials, labour charges, curing complete as per specificat (P.No. 74/ I.No.11.52 of PWD SR 2018-19)	ole moulc uty) 455x6 cover 23 size grani m thick v complete	led non-modular 610mm internal of 8kg and weight of ite metal , found with cement mor as per standard	bricks of class dimensions, total of frame 15 kg) ation concrete M rtar 1:3, finished design including	
	Basic Rate		8296		
	Add 10% For area weightage (Mangalore City)		829.6		
		Rate	9125.6		
38	 Providing gully pipe lowering, laying of PVC 100 mm dia pipes to the required alignments includi and grade as indicated in drawings/design and hydraulically testing of the pipe line. The rate shal jointing materials, testing apparatus and water for testi g etc as directed by the Engineer in ch No.41, Item No.7, KUWSDB SOR 2016-17) 				
	Basic Rate		297		
	Add 10% on Labor Charges=Rs.47,For area weightage (Mangalore City)		4.7		
		Rate	301.7	Rm	
39	KSRB 11-18-17.1 : Providing and fixing sand cast iron trap of 100m screwed down or hinged grating with or without vent arm including floors, cost of materials, labour, testing, complete as per specificati (PWD SR 2018-19, SI.No.12.89)	nd making good	the walls and		
	Basic Rate		830		
	Add 10% For area weightage (Mangalore City)		83		
		Rate	913	Nos.	
38	 KSRRB M2200- Providing Weep Holes KSRRB M2200-8. Providing weep holes in Brick masonry / Reinforced concrete abutment, wing wall / return wall with 100 mm dia AC pipe, extending through th width of the structure with slope of 1V :20H towards drawing foce. Complete as per drawing and Tec Specifications complete as per specifications MORTH Specification No.2706 & 2200 (PWD SR 2018-19, SI.No.28.10) 				
	Basic Rate		147		
	Add 10% For area weightage (Mangalore City)		14.7		
		Rate	161.7	Nos.	
41	Rate 161.7 Nos. KSRRB M800-29.3.Cable Duct Across the road KSRRB M800-29.1. Providing and laying of a reinforced cement concrete pipe duct, 300 mm dia, across the road (new construction), extending from drain to drain in cuts and toe of slope to toe of slope in fills, constructing head walls at both ends, providing a minimum fill or granular material over top and sides of RCC pipe as per IRC:98-1997, bedded on a 0.3 m thick layer or granular material free of rock pieces, outer to outer distance of pipe at least half dia of pipe subject to be above higher than ground level to prevent entry of water and dirt, all as per IRC: 98 - 1997 and approved drawings complete as per specifications. Case-III :Triple row for three utility services. (PWD SR 2018-19,SI.No.24.36)				
ı	Pae 94				

	Basic Rate		5022			
	Add 10% For area weightage (Mangalore City)		502.2			
		Rate	5524.20	Rm		
42	Providing and laying Dia 225mm HDPE Electrical pipe Conduits v dimensional ratio of 13.5, Deflection not greater than 5% when exp 90°C under the over burden soil presuure and other physical propo NEMA TC7. The expected service life of HDPE pipe conduits ar	oosed to t erties cor	he normal opera nforming to AST	ting temparature MF 2160 and /or		
	years. (Market Rate)					
	Basic Rate		2300			
	Deduct GST @18%		-414			
	Labour Cost for laying and Jointing-KUWSDB,HDPE Pipes,Item No.50,Pg.No.123)		78			
	Add 10% For area weightage (Mangalore City)		7.8			
		Rate	1971.80			
43	Providing and laying Dia 160mm HDPE Electrical pipe Conduits v dimensional ratio of 13.5,Deflection not greater than 5% when exp 90°C under the over burden soil presuure and other physical propo NEMA TC7.The expected service life of HDPE pipe conduits ar years.(Market Rate)	oosed to t erties cor	he normal opera nforming to AST	ting temparature MF 2160 and /or		
	Basic Rate		1215			
	Deduct GST @18%		-218.7			
	Labour Cost for laying and Jointing-KUWSDB,HDPE Pipes,Item No.50,Pg.No.123)		66			
	Add 10% For area weightage (Mangalore City)		6.6			
		Rate	1068.90	Rm		
44	Providing and Fixing Spacers for Power Ducts of size 225 mm, Spacers shall be made of ABS raw material. (Market rate)	to be pla	aced at an interv	al of 1.5 meter.		
	Basic Rate (without GST@18%)		1003			
		Rate	1003.00	Nos.		
45	Providing and Fixing Spacers for Power Ducts of size 160 mm, Spacers shall be made of ABS raw material. (Market rate)	to be pla	Laced at an interv	al of 1.5 meter.		
	Basic Rate (without GST@18%)		1947			
		Rate	1947.00	Nos.		
46	Supplying 7-way 40mm HDPE pipe Multi-way Duct Silicore Lubricant inner layer for ICT fibre cables comforming to ASTMF 2160 and /or equivalent indian standard and conveying to work site including loading and unloading at both destination and rolling,lowering into trenches,laying true to line and jointing of pipe etc.Complete. (Market Rate)					
	Basic Rate		685			
	Deduct GST @18%		-123.3			
	Labour Cost for laying and Jointing-KUWSDB,HDPE Pipes,Item No.50,Pg.No.123)		36			
	Add 10% For area weightage (Mangalore City)		3.6			
		Rate	601.30	Rm		
47	Supplying and Application charges required for stamping the fresh included in this item) including finishing and colouring the top surfa and size using approved colour shade and staping it using approve with approved colour.Sealing entire area with concrete sealer.	ce accura	ately to the requir pattern and antic	ed level,shape juitting it on top		
	Basic rate		624.00			
		Rate	624.00	Sqm		

48	Cutting of Control joints panels(in Footpath) at suitable required lo	cations u	sing using tools a	and tackles.		
	Basic rate		59.00			
		Rate	59.00	Sam		
				• •		
49	Providing and laying heavy duty cobble stones 75mm thick, using of blocks of approved size, shape and colour with a minimum com 30mm thick sand bed (average thickness) and compacting with force thereby forcing part of sand underneath to come up in b surface joints into its final level, including cost of materials, labour specifications. (KPWD SR 2018-19,SI No : 14.7)	pressive plate vil etween j	strength of 281 brator having 3 t oints, final comp	kg per sqm over cons compaction paction of paver		
	Basic rate		1114			
	Add 10% For area weightage (Mangalore City)		111.4			
		Rate	1225.40	Sqm		
50	KSRRB M500-17. Providing and laying dense graded bituminous specified grading, premixed with VG30 grade bituminous binder a laying to the required grade, level and alignment, rolling with smo to achieve the desired compaction as per MORTH table 500-10 specifications MORTH Specification No. 507 -using 100/120 TPI (50 mm to 75 mm) with 4.5 % VG-30 Bitumen(KPWD 16-17,S.I.No	and, trans oth whee complete H capacit	sporting the hot i eled, vibratory and e in all respects of ty H.M.P. with se	mix to work site, d tandem rollers complete as per		
	Basic rate		7839			
	Add 10% For area weightage (Mangalore City)		783.9			
		Rate	8622.90	Cum		
		Nale	0022.90	Culli		
51	aggregates of specified grading, premixed with bituminous binder site, laying with a paver finisher to the required grade, level and vibratory and tandem rollers to achieve the desired compaction 500.9 complete in all respects complete as per specifications. Mo TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 45 mr	l alignme as per N ORTH Sp	ent, rolling with s MORTH specification No. 5	mooth wheeled, ation clause No. 509 - using40/60		
	Basic rate		8761			
	Add 10% For area weightage (Mangalore City)		876.1			
		Rate	9637.10	Cum		
		Mate	5057.10	oum		
52	KSRRB M800-2. Retro-Reflectorised Traffic Signs - Manufacturing, Supply and Installation of retro-reflective cautionary, mandatory & Informatory signboards made out of cube corner micro prismatic grade sheeting confirming to type XI standards of IRC:67:2012 specifications & fixed over 4mm thick aluminium composite panel sheet having minimum 0.30 mm thick aluminum skin on both sides & fixed over a support frame of 25X25X3mm MS angle and mounted on 75 mm dia OR 75X75X6mm mild steel angle to Total height 2.70 m with clear height of not less than 2.10 m from the ground level to the bottom of the sign board & 60mm below ground level. the sign post should be painted with be coat of red oxide paint and two coats of synthetic enamel paint of black and white colour with bands of 30 cm height alternatively firmly fixed to the ground by means of foundation with M20 grade cement concrete of 45cmX45cmX60cm including cost & conveyance of all materials, equipment, machinery & labour with all leads and lifts, loading charges necessary for satisfactory completion of the works as directed be engineer in-charge.					
	10 years warranty for Retro Reflective Sheeting from the original sh IRC: 2012 & a certified copy of three years outdoor exposure repor product offered shall be obtained from the supplier. 900MM Equilateral Triangle-TYPE XI (KPWD 18-19,SI No : 24.2.1)	-				
	Basic Rate Add 10% For area weightage (Mangalore City)		3511 351.1			
		Rate		Nos		

53	KSRRB M800-2. Retro-Reflectorised Traffic Signs - Manufacturing, cautionary, mandatory & Informatory signboards made out of cube confirming to type XI standards of IRC:67:2012 specifications & fixe panel sheet having minimum 0.30 mm thick aluminum skin on both 25X25X3mm MS angle and mounted on 75 mm dia OR 75X75X6m with clear height of not less than 2.10 m from the ground level to th ground level. the sign post should be painted with be coat of red ox enamel paint of black and white colour with bands of 30 cm height means of foundation with M20 grade cement concrete of 45cmX45 all materials, equipment, machinery & labour with all leads and lifts satisfactory completion of the works as directed be engineer in-cha	corner m ed over 4 sides & m mild s e bottom ide paint alternativ cmX60cr , loading	nicro prismatic gra mm thick alumin fixed over a supp steel angle to Tot of the sign board and two coats of rely firmly fixed to m including cost	ade sheeting ium composite port frame of al height 2.70 m d & 60mm below f synthetic o the ground by & conveyance of
	10 years warranty for Retro Reflective Sheeting from the original sh IRC: 2012 & a certified copy of three years outdoor exposure repor product offered shall be obtained from the supplier. 900MM Octagon Stop Board-TYPE XI (KPWD 18-19,SI No : 24.2.6)	-	•	
	Basic Rate		4958	
	Add 10% For area weightage (Mangalore City)	D : f	495.8	
		Rate	5453.80	NOS
54	cautionary, mandatory & Informatory signboards made out of cut confirming to type XI standards of IRC:67:2012 specifications & fix panel sheet having minimum 0.30 mm thick aluminum skin on bo 25X25X3mm MS angle and mounted on 75 mm dia OR 75X75X6n with clear height of not less than 2.10 m from the ground level to th ground level. the sign post should be painted with be coat of re enamel paint of black and white colour with bands of 30 cm height means of foundation with M20 grade cement concrete of 45cmX45 all materials, equipment, machinery & labour with all leads a satisfactory completion of the works as directed be engineer in-cha 10 years warranty for Retro Reflective Sheeting from the original sh IRC: 2012 & a certified copy of three years outdoor exposure repor product offered shall be obtained from the supplier.	ked over oth sides nm mild s e bottom d oxide t alternat cmX60cr nd lifts, rge.	4mm thick alum & fixed over a s steel angle to To of the sign board paint and two co ively firmly fixed m including cost loading charges	inium composite support frame of tal height 2.70 m d & 60mm below bats of synthetic to the ground by & conveyance of s necessary for
	600MM Circle-TYPE XI (KPWD 18-19,SI No : 24.2.3)			
	Basic Rate		3118	
	Add 10% For area weightage (Mangalore City)	D-1	311.8	
		Rate	3429.80	INOS
55	KSRRB M800-3. Direction and Place Identification Signs upto 0.9 s and installation of retro- reflectorised cautionary, mandatory and in corner micro prismatic grade sheeting confirming to type XI standa over 4 mm thick aluminium composite panel sheet having minimun & fixed over a support frame of 25x25x3 mm MS angle and mounte steel angle of total height 2.70m with clear height of not less than 2 of the sign board & 60 cm below ground level. The sign post should paint and white colour with brands of 30 cm height alternatively firm foundation with M20 grade cement concrete of 45 cm x45 cm x 60 materials, equipment, machinery & labour with all leads and lifts, lo completion of the work as directed by engineer in charge. 10 years the original sheeting manufacturer as per clause 6.9 in IRC 2012 & exposure report from an independent test lab for the product offere (KPWD 18-19,SI No : 24.3)	formator ards of IR 0.30 thic ed on 75r .10 m fro be pain ly fixed t cm inclu ading cha warranty a certifie	y signboards man C :67:2012 spec ck aluminium skir mm dia OR 75x7: om the ground lev ted with one coat o the ground by r iding cost & conv arges necessary for retro reflective ed copy of three y e obtained from t	de out of cube ifications & fixed on both sides 5x6mm Mild vel to the bottom to f red oxide means of reyance of all for satisfactory ve sheeting from vears outdoor
	Basic Rate Add 10% For area weightage (Mangalore City)		6927 692.7	
			hy2/	

		Rate	7619.70	Sqm
56	Direction and Place Identification Signs with size more than 0.9 Providing and erecting direction and place identification retro-reflect intensity grade sheeting vide Clause 801.3, fixed over aluminium sheeting, 2 mm thick with area exceed	torised s		/ 7 made of high
	0.9 sqm supported on a mild steel single angle iron post 75 x 75 6 mm, 2 Nos. firmly fixed to the ground by means of properly desig concrete 45 x 45 x 60 em, 60 em below ground level as per approx	ned foun		grade cement
	Basic Rate		7206	
	Add 10% For area weightage (Mangalore City)		720.6	
		Rate	7926.60	Sqm
57	KSRRB M800-2. Retro-Reflectorised Traffic Signs - Manufacturing reflectorised cautionary, mandatory and informatory signboards magrade sheeting confirming to 600x800 MM type XI standards of IR mm thick aluminium composite panel sheet having minimun 0.30 t over a support frame of 25x25x3 mm MS angle and mounted on 75 of total height 2.70m with clear height of not less than 2.10 m from board & 60 cm below ground level. The sign post should be painter white colour with brands of 30 cm height alternatively firmly fixed to (KPWD18-19,24.2.4)	ade out of C :67:201 hick alum 5mm dia the grour d with one	cube corner min 2 specifications inium skin on bo OR 75x75x6mm d level to the bo coat of red oxid	cro prismatic & fixed over 4 th sides & fixed Mild steel angle ttom of the sign le paint and
	Basic Rate		4049	
	Add 10% For area weightage (Mangalore City)		404.9	
		D - 1 -	4453.90	Nee
		Rate	4453.90	NOS
	KSRRB M800 Road markers / Road stud KSRRB M800-35. Provid	ding and	fixing of road stu	d 100x 100 mm,
58	KSRRB M800 Road markers / Road stud KSRRB M800-35. Provid diecast in aluminium, resistant to corrosive effect of salt and gr concrete or asphaltic surface by drilling hole 30 mm upto a de bituminous grout or epoxy mortar, all as per BS: 873 part 4:1973 cd (KPWD 18-19,SI No : 24.41)	ding and t it, fitted y pth of 60	fixing of road stu with lense reflec) mm and bedd	d 100x 100 mm, tors, installed in ed in a suitable
58	diecast in aluminium, resistant to corrosive effect of salt and gr concrete or asphaltic surface by drilling hole 30 mm upto a de bituminous grout or epoxy mortar, all as per BS: 873 part 4:1973 co	ding and t it, fitted y pth of 60	fixing of road stu with lense reflec) mm and bedd	d 100x 100 mm, tors, installed in ed in a suitable ons
58	diecast in aluminium, resistant to corrosive effect of salt and gr concrete or asphaltic surface by drilling hole 30 mm upto a de bituminous grout or epoxy mortar, all as per BS: 873 part 4:1973 co (KPWD 18-19,SI No : 24.41)	ding and t it, fitted y pth of 60	fixing of road stu with lense reflec) mm and bedd as per specificatio	d 100x 100 mm, tors, installed in ed in a suitable ons
58	diecast in aluminium, resistant to corrosive effect of salt and gr concrete or asphaltic surface by drilling hole 30 mm upto a de bituminous grout or epoxy mortar, all as per BS: 873 part 4:1973 cr (KPWD 18-19,SI No : 24.41) Basic Rate	ding and t it, fitted y pth of 60	fixing of road stu with lense reflec) mm and bedd as per specification 289	d 100x 100 mm, tors, installed in ed in a suitable ons
58	diecast in aluminium, resistant to corrosive effect of salt and gr concrete or asphaltic surface by drilling hole 30 mm upto a de bituminous grout or epoxy mortar, all as per BS: 873 part 4:1973 cd (KPWD 18-19,SI No : 24.41) Basic Rate Add 10% For area weightage (Mangalore City) Supply & Installation of Solar Raised Pavement Markers made of shape, solar powered, LED self illumination in active mode, 360 with micro prismatic lens in passive mode. The marker shall suppor to IRC 37 and shall be resistantto dust and water ingress accordin which is conducted to check if solar road stud is protected from jets from any direction) standards and should withstand temperate lighting could be provided in red or yellow (amber) as per requirer Hz. There should be current losses of less than 20 micro-amp enhance the life of the marker and a full charge should provide for height, width and length of the marker shall not be less than 10 m diameter of the marker shall not be less than 100 mm respecti exceed 0.5 Kilograms. Fixing will be by drilling holes on the road and using epoxy resin based adhesive as per manufacturer's record	ding and t it, fitted v pth of 60 pmplete a Rate of polycar degree i ort a load og to IP 6 cotal dust ures in th nent and eres at 2 or a minir m x 100 vely. The for the s	fixing of road stu with lense reflect omm and bedd as per specification 289 289 289 317.90 bonate molded to llumination and of20000 kg teste 5 (Ingress Prote Ingress and low e range of 0 C to typical frequence 2.4 V in sleep-ch mum autonomy of mm x 100 mm. A e weight of the to hanks to go inside tion and comple	Nos. Nos. Nos. Nos. Nos. Nos. Nos. Nos.
	diecast in aluminium, resistant to corrosive effect of salt and gr concrete or asphaltic surface by drilling hole 30 mm upto a de bituminous grout or epoxy mortar, all as per BS: 873 part 4:1973 cf (KPWD 18-19,SI No : 24.41) Basic Rate Add 10% For area weightage (Mangalore City) Supply & Installation of Solar Raised Pavement Markers made of shape, solar powered, LED self illumination in active mode, 360 with micro prismatic lens in passive mode. The marker shall suppor to IRC 37 and shall be resistantto dust and water ingress accordin which is conducted to check if solar road stud is protected from jets from any direction) standards and should withstand temperati lighting could be provided in red or yellow (amber) as per requirer Hz. There should be current losses of less than 20 micro-amp enhance the life of the marker and a full charge should provide for height, width and length of the marker shall not be less than 10 m diameter of the marker shall not be less than 100 mm respecti exceed 0.5 Kilograms. Fixing will be by drilling holes on the road and using epoxy resin based adhesive as per manufacturer's reco the engineer. Basic Rate	ding and t it, fitted v pth of 60 pmplete a Rate of polycar degree i ort a load og to IP 6 cotal dust ures in th nent and eres at 2 or a minir m x 100 vely. The for the s	fixing of road stu with lense reflect omm and bedd as per specification 289 289 289 317.90 bonate molded to llumination and of20000 kg teste 5 (Ingress Prote Ingress and low e range of 0 C to typical frequence 2.4 V in sleep-ch mum autonomy of mm x 100 mm. A e weight of the to hanks to go inside	Nos. Nos. Nos. Nos. Nos. Nos. Nos. Nos.
	diecast in aluminium, resistant to corrosive effect of salt and gr concrete or asphaltic surface by drilling hole 30 mm upto a de bituminous grout or epoxy mortar, all as per BS: 873 part 4:1973 cd (KPWD 18-19,SI No : 24.41) Basic Rate Add 10% For area weightage (Mangalore City) Supply & Installation of Solar Raised Pavement Markers made of shape, solar powered, LED self illumination in active mode, 360 with micro prismatic lens in passive mode. The marker shall suppor to IRC 37 and shall be resistantto dust and water ingress accordin which is conducted to check if solar road stud is protected from jets from any direction) standards and should withstand temperate lighting could be provided in red or yellow (amber) as per requirer Hz. There should be current losses of less than 20 micro-amp enhance the life of the marker and a full charge should provide for height, width and length of the marker shall not be less than 10 m diameter of the marker shall not be less than 100 mm respecti exceed 0.5 Kilograms. Fixing will be by drilling holes on the road and using epoxy resin based adhesive as per manufacturer's record	ding and t it, fitted of pth of 60 pmplete a Rate of polycar degree i ort a load og to IP 6 cotal dust ures in th nent and eres at 2 or a minir m x 100 vely. The for the s	fixing of road stu with lense reflect omm and bedd as per specification 289 28.9 317.90 bonate molded to llumination and of20000 kg tester 5 (Ingress Prote Ingress and low e range of 0 C to typical frequence 2.4 V in sleep-ch mum autonomy of mm x 100 mm. A e weight of the to hanks to go inside tion and comple	Nos. Nos. Nos. Nos. Nos. Nos. Nos. Nos.

60	Road Marking with hot applied Thermoplastic Compound with Reflectrising Glass Beads on Concrete Surface:Providing and laying of hot applied thermoplastic compound 2.5mm thick including reflectorising glass beads at 250 gms and 2 ltr of primer per sqm area,thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35.The finished surface to be level,uniform and free from streak and holes complete as per specifications.MORTH specification No.803 (KPWD 18-19,SI No : 24.15)								
	Basic Rate		429						
	Add 10% For area weightage (Mangalore City)		42.9						
		Rate	471.90 Sqm						
61	Providing and Fixing of Bus shelter(on prepared foundation) mad finish, Galvanised Aluminium powder coated roofing and electron shall be made of SS 304 tubular sections for seat and back rest.e minimum backrest support of 450mm.Bus shelter shall have the S Electronic display.The electronic display board to be of LED Sc Diffused. LED's having Amber colour.Dual bin system should be a dry waste.Each bin shall be with minimum capacity of 70Ltrs.Intera with information area of 1400 x 1400 and touch screen LED displa with integrated 8mm toughened glass.Advertisement Area 2 nos o 2000mm shall be integrated within the design of the Bus Shelte framing sides and back complete.Provision for installing outdoor V made in min M25 concrete. The cast iron nuts, bolts shall be rust etc.The materials used shall be Nonflammable (NON SOR Item)	ic circuit ach unit Side Disp crolling ty adopted of ctive Info ay panel of f size 450 or. This s WiFi Rou	to control its lighting. The seating size of 4500mm x 600mm with a blay board to have 1100X400mm pe with Oval, 4.3 x 5.1mm dia. one for recycle waste & other for ormation Panel-display equipment of area not less than 600-900mm 00mm x 1650mm and 2100mm x hall be backlit type with SS box ter. The Foundation slab shall be						
	Rate Approved as per EOI by MD MSCL Mangalore,Refer	Rate	1500000 Nos.						
		Nate							
62	Providing & installing of E- toilet with Super structure of the electr inner room size 1.2 x 0.8 x 2.4 (LXWXH)meters and Size of 2.30x1.25x2.80 (LXWXH) Total area 35 Sft. with Built-acess contro Grade 304,Toilet floor and closet are to be stainless steel of grade with minimum 225 Lit capacity and Acess controll using coin automatic payment collection mechanism exit from the unit should with gloves on opening the door.E-Toilet shall be Automatic flush flush cleaning before use,Automatic closet washing mechanism a mechanism programmed after specific numbers.In addition to manual operation.Standard features should include heath faucet, shall have Alert to users-different indication on 'ready to use',bus Voice guidence in the unit for users. Web enabled support-GPRS the unit through web for knowing the health status like number of u	f electror olled mair 304.E-To validator be manu ing syste after use these flu exhaust fa y are to h based Ro sers per	hic toilet overall size in meters in door and side walls made of SS pilet shall have Built-in water tank for entering the unit based on al.Automatic lights inside the unit em which includes Automatic Pre and Automatic platform cleaning sh switch is to be provided for an and cloth hanger.The E-Toilet be provided in the unit also with eal time data to be provided from day and coins collected.						
	E-toilet shall have Modular and portable design enabling easy asse and web portal facilities for registering complience and tracking u LED,Printed instruction stickers are to be provided.For Adverti- dispaly to be povided on the exterior of the unit for income generation Backup power facility like UPS is to be provided to supplement upto Base of the unit to be placed on a suitable concrete structure with a (Non SOR Item)	usage,coi sment pu ion and s o 30 Min	n collection etc.Status display in urpose space for advertisement ustainability.						
	Baisc rate		575000						
	Rate Approved as per EOI by MD MSCL Mangalore,Refer Sr.No.1	Rate	575000 Nos.						
63	KSRB 6-2.3 : Providing and constructing burnt brick masonry with standard size of class designation 5.0Newton per sqmm (tabl basement and superstructu/re including cost of materials, labour per specifications. Specification No. KBS 6.2. (KPWD 18-19,SI.No.6.7)	e moulde	ed) with cement mortar 1:6 for scaffolding, curing complete as						
	Basic rate		7797						
	Add 10% For area wightage		779.7						

		Rate	8576.70	Cum
	KSRB15-3.8 : Providing 18mm thick cement plaster in single coat			
64	including rounding off corners wherever required smooth renderir			
04	including cost of materials, labour, curing complete as per specifica	ations.(KF	PWD 18-19,SI No	o.15.16)
	Basic rate		262	
	Add 10% For area wightage		26.2	
		Rate	288.2	Sqm
	Providing and fixing 450mm wide X 600mmX 20mm thk.RIVERWA	SHED B	LACK GRANITE	CLADDING on
61	surface of seating as directed by architect			
	(Non SOR Item)			
	Basic Rate		3527	
	Rate Approved as per EOI by MD MSCL Mangalore, Refer	Rate	3527.00	Sqm
				•
66	Providing and fixing of S.S. Bollards(SS304) on footpath as specifie	ed and d	irected by Engine	eer -in-charge
66	(NON SOR Item)			
	Basic Rate		4500	
	Rate Approved as per EOI by MD MSCL Mangalore,Refer			
	Sr.No.13	Rate	4500.00	Nos.
	Providing and fixing of railing as detail design in MS HOLLOW SEC		· ·	-
67	approved), with vertical support of 0.9m @2.2mc/c , all complete t	o the sat	isfaction of the L	andscape
•	architect.(Non SOR Item)			
	Desis Data		100000.00	
	Basic Rate Rate Approved as per EOI by MD MSCL Mangalore,Refer		100000.00	
	Sr.No.26	Rate	100000.00	мт
	51.110.20	Nate	100000.00	
	Providing and Fixing SS 304 Outdoor Dustbin(Pivoted Type and Mo	ounted or	n SS Poles) of 55	liters capacity
68	all complete to the satisfaction of the Engineer in charge.			
00	(NON SOR Item)			
	Basic Rate		7500	
	Rate Approved as per EOI by MD MSCL Mangalore, Refer		1000	
	Sr.No.14	Rate	7500.00	Nos.
	KSRRB M300-14. Half brick circular tree guard, in 2nd class b	rick, inte	rnal diametre 1	.25 metres, and
	height 1.2 metres, above ground and 0.20 metre below ground, b	ottom two	o courses laid di	ry, and top three
69	courses in cement mortar 1:6 (1 cement 6 sand) and the interm	ediate co	ourses being in	dry honey comb
	masonry, as per design complete, complete as per specificatio	ns.KSRF	RB M300-Edging	with 2nd class
	bricks, laid dry lengthwise			
	Basic Rate		2242	
	Add 10% For area weightage (Mangalore City)		224.2	
		Rate	2466.20	Nos.
	Extra Lead for Disposing off unserviceable materials upto 10 Km be	evond ini	tial Lead of 5 km	
70	Item No 17.4 KSRRB M100-4.1-Earth			
	Earth	2.0>	(1.28x10km	
	Baisc rate		25.60	
	Add Loading and unloading charges(Item No 17.1 KSRRB M100-			
			57.00	
	Sub Total		82.60	
	Add 10% For area weightage (Mangalore City)		8.26	
		Rate	90.86	Cum
	1			

71	Extra Lead for Disposing off unserviceable materials upto 10 Km beyond initial Lead of 5km Item No 17.4 KSRRB M100-4.1-Debris							
	Debris	2.0x	(1.30x10Km					
	Baisc rate		26.00					
	Add Loading and unloading charges(Item No 17.1 KSRRB M100-		57.00					
	1) Sub Total		57.00					
	Add 10% For area weightage (Mangalore City)		83.00 8.3					
	Add 10701 of area weightage (mangalore City)	Rate	91.30					

ASSISTANT ENGINEER MSCL MANGALURU

ASSISTANT EXECUTIVE ENGINEER MSCL MANGALURU

EXECUTIVE ENGINEER MSCL MANGALURU GM TECHNICAL MSCL MANGALURU

Name of the Work :- Mangalore Smart City 2.1 BOQ of Electrical lighting Works for DPR-7 Roads

Sr.No.	Specification	Unit	Quantity	Rate	Amount	Remarks
1	Lighting Poles					
1.1	Dismantling of pole/ street light standard/ strut embedded in cement concrete foundation etc. as required	Nos.	19	1,681	31,932	
1.2	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 (As per RA)	Nos.	11	4,057	44,627	
1.3	Lighting Pole, 7 m Fabrication, supply 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	Nos.	195	12,420	2,421,900	
1.4	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)	Nos.	46	7,398	340,308	
1.5	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		
1.6	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.	252	2,400	604,800	
1.7	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	11	620	6,820	
2	Out door box and switch gear					
2.1	Supply, installation, testing and commissioning of outdoor junction box for mounting MCB/Contactors with all required accessories and componenets	No.	15	11,783	176,744	
2.2	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)	No	15	1,547	23,205	

Sr.No.	Specification	Unit	Quantity	Rate	Amount	Remarks
3 3.1	LT Cable 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	8737	117	1,022,229	
3.2	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	3368	81.60	274,829	
3.3	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	2016	11.31	22,801	
3.4	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	1512	3.12	4,717	
4 4.1	value ess than one ohm Ref Electrical SOR Pg.No.64,SI No.7.23.6)	Kit	30	5,500.00	165,000	
4.2	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	7694	19.50	150,033	
5	Dismantling of 7 mtr high mast pole/ strut embedded in cement concrete foundation etc. as required RA attached	Nos.	0	2,541.48	-	
6	Erection of 7 mtr high mast 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,refilling,components, accessories etc. as required. Above 6.5 meter and upto 8.0 meter Existing poles (As per RA)	Nos.	0	5,476.00	-	
			тоти	AL.	52,89,945	

ASSISTANT ENGINEER MSCL MANGALURU

ASSISTANT EXECUTIVE ENGINEER MSCL MANGALUR

EXECUTIVE ENGINEER MSCL MANGALURU

GM TECHNICAL MSCL MANGALURU

Name of the Work :- Mangalore Smart City

2.1.1 M.S.of Electrical Lighting Works

Sr.No.	Specification	Unit	No.	L	в	н	Quantity
1	Lighting Poles						
	Dismantling of pole/ street light standard/ strut						
1.1	embedded in cement concrete						
	foundation etc. as required						
1	G.H.S ROAD(Road no 1)	Nos.	5				5.00
2	P.M RAO ROAD (Road no 2)	Nos.	0				0.00
3	SHARAVU TEMPLE ROAD (Road no 3)	Nos.	0				0.00
4	G.H.S CROSSROAD (Jewllery Jn.) (Road no 4)	Nos.	0				0.00
5	VITOBHA TEMPLE ROAD (Road no 5)	Nos.	0				0.00
6	MAIDAN 1st CROSS ROAD(Road no 7)	Nos.	0				0.00
7	MAIDAN 3rd CROSS ROAD(Road no 8)	Nos.	0				0.00
8	BIBI ALABI ROAD (Road no 9)	Nos.	11				11.00
9	BIBI ALABI-KANADAK ROAD (Road no 10)	Nos.	0				0.00
10	MAIDAN 4th CROSS ROAD-EXTN (Road no 11)	Nos.	0				0.00
11	J.M 1st CROSS ROAD (Road no 14)	Nos.	3				3.00
12	MISSION STREET ROAD- EXTN (Road no 15)	Nos.	0			_	0.00
					Тс	otal	19.00
	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						
1.2	including excavation and refilling etc. as required.						
	Above 6.5 meter and upto 8.0 meter						
	Existing poles						
	(As per RA)						
1	G.H.S ROAD(Road no 1)	Nos.	0				0.00
2	P.M RAO ROAD (Road no 2)	Nos.	0				0.00
3	SHARAVU TEMPLE ROAD (Road no 3)	Nos.	0				0.00
4	G.H.S CROSSROAD (Jewllery Jn.) (Road no 4)	Nos.	0				0.00
5	VITOBHA TEMPLE ROAD (Road no 5)	Nos.	0				0.00
6	MAIDAN 1st CROSS ROAD(Road no 7)	Nos.	0				0.00
7	MAIDAN 3rd CROSS ROAD(Road no 8)	Nos.	0				0.00
8	BIBI ALABI ROAD (Road no 9)	Nos.	11				11.00
9	BIBI ALABI-KANADAK ROAD (Road no 10)	Nos.	0				0.00
10	MAIDAN 4th CROSS ROAD-EXTN (Road no 11)	Nos.	0				0.00
11	J.M 1st CROSS ROAD (Road no 14)	Nos.	0				0.00
12	MISSION STREET ROAD- EXTN (Road no 15)	Nos.	0				0.00
					Тс	otal	11.00
	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						
1.3	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)						
1	G.H.S ROAD(Road no 1)	Nos.	27				27.00
2	P.M RAO ROAD (Road no 2)	Nos.	14		<u> </u>		14.00
			• •	1	1	1	

Sr.No.	Specification	Unit	No.	L	в	н	Quantity
4	G.H.S CROSSROAD (Jewllery Jn.) (Road no 4)	Nos.	14				14.00
5	VITOBHA TEMPLE ROAD (Road no 5)	Nos.	19				19.00
6	MAIDAN 1st CROSS ROAD(Road no 7)	Nos.	8				8.00
7	MAIDAN 3rd CROSS ROAD(Road no 8)	Nos.	16				16.00
8	BIBI ALABI ROAD (Road no 9)	Nos.	31				31.00
9	BIBI ALABI-KANADAK ROAD (Road no 10)	Nos.	19				19.00
10	MAIDAN 4th CROSS ROAD-EXTN (Road no 11)	Nos.	16				16.00
11	J.M 1st CROSS ROAD (Road no 14)	Nos.	9				9.00
12	MISSION STREET ROAD- EXTN (Road no 15)	Nos.	8				8.00
					Тс	otal	195
1.4	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)						
1	G.H.S ROAD(Road no 1)	Nos.	11				11.00
2	P.M RAO ROAD (Road no 2)	Nos.	3				3.00
3	SHARAVU TEMPLE ROAD (Road no 3)	Nos.	8				8.00
4	G.H.S CROSSROAD (Jewllery Jn.) (Road no 4)	Nos.	2				2.00
5	VITOBHA TEMPLE ROAD (Road no 5)	Nos.	0				0.00
6	MAIDAN 1st CROSS ROAD(Road no 7)	Nos.	0				0.00
7	MAIDAN 3rd CROSS ROAD(Road no 8)	Nos.	3				3.00
8	BIBI ALABI ROAD (Road no 9)	Nos.	0				0.00
9	BIBI ALABI-KANADAK ROAD (Road no 10)	Nos.	7				7.00
10	MAIDAN 4th CROSS ROAD-EXTN (Road no 11)	Nos.	12				12.00
11	J.M 1st CROSS ROAD (Road no 14)	Nos.	0				
12	MISSION STREET ROAD- EXTN (Road no 15)	Nos.	0				0.00
12	MISSION STREET ROAD- EXTIN (ROAU 110-15)	INUS.	0		т	otal	
					10		46.00
1.5	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						
1	G.H.S ROAD(Road no 1)	Nos.	0				0.00
2	P.M RAO ROAD (Road no 2)	Nos.	0				0.00
3	SHARAVU TEMPLE ROAD (Road no 3)	Nos.	0			Γ	0.00
4	G.H.S CROSSROAD (Jewllery Jn.) (Road no 4)	Nos.	0				0.00
5	VITOBHA TEMPLE ROAD (Road no 5)	Nos.	0				0.00
6	MAIDAN 1st CROSS ROAD(Road no 7)	Nos.	0				0.00
7	MAIDAN 3rd CROSS ROAD(Road no 8)	Nos.	0			1	0.00
8	BIBI ALABI ROAD (Road no 9)	Nos.	0		1		0.00
9	BIBI ALABI-KANADAK ROAD (Road no 10)	Nos.	0				0.00
10	MAIDAN 4th CROSS ROAD-EXTN (Road no 11)	Nos.	0			1	0.00
11	J.M 1st CROSS ROAD (Road no 14)	Nos.	0				0.00
12	MISSION STREET ROAD- EXTN (Road no 15)	Nos.	0				0.00
. –			~		Т	otal	0.00
					- · ·		0.00

Sr.No.	Specification	Unit	No.	L	В	н	Quantity
	Supplying and fixing of hot dip Galvinized M.S.bracket						
	Suitable for outdoor luminaries and mounted on						
1.6	Octagonal pole using necessary bolts, nuts, etc.						
-	complete						
	Single Cross arm - 1500 mm						
	(Ref Electrical SOR SI No.5.18.2)	NISS	00				00.00
1	G.H.S ROAD(Road no 1)	Nos.	38				38.00
2 3	P.M RAO ROAD (Road no 2) SHARAVU TEMPLE ROAD (Road no 3)	Nos.	17 22				17.00
4	G.H.S CROSSROAD (Jewllery Jn.) (Road no 4)	Nos. Nos.	16				22.00 16.00
5	VITOBHA TEMPLE ROAD (Road no 5)	Nos.	19				19.00
6	MAIDAN 1st CROSS ROAD(Road no 7)	Nos.	8				8.00
7	MAIDAN 3rd CROSS ROAD(Road no 7)	Nos.	19				19.00
8	BIBI ALABI ROAD (Road no 9)	Nos.	42				42.00
9	BIBI ALABI-KANADAK ROAD (Road no 10)	Nos.	26				26.00
10	MAIDAN 4th CROSS ROAD-EXTN (Road no 11)	Nos.	28				28.00
11	J.M 1st CROSS ROAD (Road no 14)	Nos.	9				9.00
12	MISSION STREET ROAD- EXTN (Road no 15)	Nos.	8				8.00
			•		Тс	otal	252
	Painting of Existing street light pole after scrapping the						
	old paint and painted with suitable colour enamel						
1.7	including coping/footing of the poleabove 5.5 mtr to 7.5						
1.7	mtr						
	(Ref Electrical SOR SI No.16.28.2)						
1	CHSPOAD(Pood no 1)	Nee	0				0.00
1 2	G.H.S ROAD(Road no 1)	Nos. Nos.	0				0.00
3	P.M RAO ROAD (Road no 2) SHARAVU TEMPLE ROAD (Road no 3)		0				0.00
4	G.H.S CROSSROAD (Jewllery Jn.) (Road no 4)	Nos. Nos.	0	<u> </u>			0.00
5	VITOBHA TEMPLE ROAD (Road no 5)	Nos.	0				0.00
6	MAIDAN 1st CROSS ROAD(Road no 7)	Nos.	0				0.00
7	MAIDAN 3rd CROSS ROAD(Road no 8)	Nos.	0				0.00
8	BIBI ALABI ROAD (Road no 9)	Nos.	11				11.00
9	BIBI ALABI-KANADAK ROAD (Road no 10)	Nos.	0				0.00
10	MAIDAN 4th CROSS ROAD-EXTN (Road no 11)	Nos.	0	ł – –			0.00
11	J.M 1st CROSS ROAD (Road no 14)	Nos.	0				0.00
12	MISSION STREET ROAD- EXTN (Road no 15)	Nos.	0				0.00
			•		Тс	otal	11.00
2	Lighting Panel						
	Supply, installation, testing and commissioning of						
2.1	outdoor junction box for mounting MCB/Contactors with						
	all required accessories and componenets						
1	G.H.S ROAD(Road no 1)	Nos.	2				2.00
2	P.M RAO ROAD (Road no 2)	Nos.	1		1		1.00
3	SHARAVU TEMPLE ROAD (Road no 3)	Nos.	1	İ	1		1.00
4	G.H.S CROSSROAD (Jewllery Jn.) (Road no 4)	Nos.	1	İ		1	1.00
5	VITOBHA TEMPLE ROAD (Road no 5)	Nos.	1				1.00
6	MAIDAN 1st CROSS ROAD(Road no 7)	Nos.	1	1			1.00
7	MAIDAN 3rd CROSS ROAD(Road no 8)	Nos.	1				1.00
8	BIBI ALABI ROAD (Road no 9)	Nos.	3				3.00
9	BIBI ALABI-KANADAK ROAD (Road no 10)	Nos.	1				1.00
10	MAIDAN 4th CROSS ROAD-EXTN (Road no 11)	Nos.	1				1.00
11	J.M 1st CROSS ROAD (Road no 14)	Nos.	1				1.00
12	MISSION STREET ROAD- EXTN (Road no 15)	Nos.	1				1.00
					Тс	otal	15
						1	

Sr.No.	Specification	Unit	No.	L	В	н	Quantity
	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						
2.2	circuit breaking capacity of 10 KA complete wiring as						
	required confirming to IEC 60898						
	5- 32A TPN						
	Electrical SOR- 6.16.5)						
1	G.H.S ROAD(Road no 1)	Nos.	2				2.00
2	P.M RAO ROAD (Road no 2)	Nos.	1				1.00
3	SHARAVU TEMPLE ROAD (Road no 3)	Nos.	1				1.00
4	G.H.S CROSSROAD (Jewllery Jn.) (Road no 4)	Nos.	1				1.00
5	VITOBHA TEMPLE ROAD (Road no 5)	Nos.	1				1.00
6 7	MAIDAN 1st CROSS ROAD(Road no 7)	Nos.	1				1.00
8	MAIDAN 3rd CROSS ROAD(Road no 8)	Nos.	<u>1</u> 3				1.00
9	BIBI ALABI ROAD (Road no 9) BIBI ALABI-KANADAK ROAD (Road no 10)	Nos.					3.00
<u>9</u> 10		Nos.	<u>1</u> 1				1.00
11	MAIDAN 4th CROSS ROAD-EXTN (Road no 11) J.M 1st CROSS ROAD (Road no 14)	Nos. Nos.	1				1.00
12	MISSION STREET ROAD- EXTN (Road no 15)	Nos.	1				1.00
12		1105.	I		То	tal	15
					10		15
3	LT Cable						
	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						
3.1	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)						
1	G.H.S ROAD(Road no 1) (Considering 25% more length	m	2	463			925
I	for looping)	m	Z	403			925
2	P.M RAO ROAD (Road no 2)(Considering 25% more	m	2	181			363
Z	length for looping)		2	101			505
3	SHARAVU TEMPLE ROAD (Road no 3) (Considering	m	2	231			462
Ŭ	25% more length for looping)		-	201			102
4	G.H.S CROSSROAD (Jewllery Jn.) (Road no 4)	m	2	225			450
	(Considering 25% more length for looping)		_				
5	VITOBHA TEMPLE ROAD (Road no 5) (Considering	m	2	613			1225
	25% more length for looping)						
6	MAIDAN 1st CROSS ROAD(Road no 7)(Considering	m	2	469			938
	25% more length for looping)			-			-
7	MAIDAN 3rd CROSS ROAD(Road no 8) (Considering	m	2	225			450
	25% more length for looping) BIBI ALABI ROAD (Road no 9) (Considering 25% more						
8		m	2	588			1175
	length for looping) BIBI ALABI-KANADAK ROAD (Road no 10)						
9	(Considering 25% more length for looping)	m	2	575			1150
	MAIDAN 4th CROSS ROAD-EXTN (Road no 11)						
10	(Considering 25% more length for looping)	m	2	244			488
	J.M 1st CROSS ROAD (Road no 14) (Considering 25%						
11	more length for looping)	m	2	250			500
	MISSION STREET ROAD- EXTN (Road no 15)						
12	((Considering 25% more length for looping)	m	2	306			613
					Τn	otal	8737
				1	10		1 0/3/

Sr.No.	Specification	Unit	No.	L	в	н	Quantity
	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						
3.2	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)						
1	G.H.S ROAD(Road no 1)						
	7 mtr high pole	m	27	14			378.00
	4m high pole	m	11	8			88.00
2	P.M RAO ROAD (Road no 2)			44			400.00
	7m high pole	m	14	14			196.00
	4m high pole	m	3	8			24.00
3	SHARAVU TEMPLE ROAD (Road no 3)			4.4			100.00
	7m high pole	m	14	14			196.00
4	4m high pole G.H.S CROSSROAD (Jewllery Jn.) (Road no 4)	m	8	8			64.00
4	7 mtr high pole	-	1.4	1.4			196.00
	4 mtr high pole	m	14	14 8			196.00
5	VITOBHA TEMPLE ROAD (Road no 5)	m	2	0			
5	7 mtr high pole	m	19	14			266.00
	4 mtr high pole	m	0	8			0.00
6	MAIDAN 1st CROSS ROAD(Road no 7)		0	0			0.00
0	7 mtr high pole	m	8	14			112.00
7	MAIDAN 3rd CROSS ROAD(Road no 8)		Ŭ	14			112.00
	7 mtr high pole	m	16	14			224.00
	4 mtr high pole	m	3	14			42.00
8	BIBI ALABI ROAD (Road no 9)						12.00
•	7 mtr high pole	m	42	14			588.00
	4 mtr high pole	m	0	14			0.00
9	BIBI ALABI-KANADAK ROAD (Road no 10)						
	7 mtr high pole	m	19	14			266.00
	4 mtr high pole	m	7	14			98.00
10	MAIDAN 4th CROSS ROAD-EXTN (Road no 11)						
	7 mtr high pole	m	16	14			224.00
	4 mtr high pole	m	12	14			168.00
11	J.M 1st CROSS ROAD (Road no 14)						
	7 mtr high pole	m	9	14			126.00
	4 mtr high pole	m	0	14			0.00
12	MISSION STREET ROAD- EXTN (Road no 15)						
	7 mtr road	m	8	14			112.00
	4 mtr high pole	m	0	8	Tai		0.00
					Tot	al	3368
	Supplying tinned copper lugs and crimping and wiring to			+			
	terminal point for wire of following sizes		No.of	No.of			
3.3	16 Sq.mm PVC Aluminium Conductor		Poles	Lugs			
	(Ref Electrical SOR SI No.7.21,7.21.6)		1 0103	Lugs			
1	G.H.S ROAD(Road no 1)		1	+ +			1
•	7 mtr high pole	Nos.	27	8			216.00
	4m high pole	Nos.	11	8			88.00
2	P.M RAO ROAD (Road no 2)						
	7m high pole	Nos.	14	8			112.00
	4m high pole	Nos.	3	8			24.00
3	SHARAVU TEMPLE ROAD (Road no 3)						
	7m high pole	Nos.	14	8			112.00
	4m high pole	Nos.	8	8			64.00
4	G.H.S CROSSROAD (Jewllery Jn.) (Road no 4)						
	7 mtr high pole	Nos.	14	8			112.00
	4m high pole	Nos.	2	8			16.00

Sr.No.	Specification	Unit	No.	L	В	н	Quantity
5	VITOBHA TEMPLE ROAD (Road no 5)						
	7 mtr high pole	Nos.	19	8			152.00
	4 mtr high pole	Nos.	0	8			0.00
6	MAIDAN 1st CROSS ROAD(Road no 7)						
	7 mtr high pole	Nos.	8	8			64.00
7	MAIDAN 3rd CROSS ROAD(Road no 8)						
	7 mtr high pole	Nos.	16	8			128.00
0	4 mtr high pole	Nos.	3	8			24.00
8	BIBI ALABI ROAD (Road no 9)	Nisa	40				000.00
	7 mtr high pole	Nos.	42	8			336.00
0	4 mtr high pole	Nos.	0	8			0.00
9	BIBI ALABI-KANADAK ROAD (Road no 10)	Nos.	10	0			152.00
	7 mtr high pole	Nos.	<u>19</u> 7	8 8			152.00 56.00
10	4 mtr high pole MAIDAN 4th CROSS ROAD-EXTN (Road no 11)	1105.	1	0			56.00
10	7 mtr high pole	Nos.	16	8			128.00
	4 mtr high pole	Nos.	10	8			96.00
11	J.M 1st CROSS ROAD (Road no 14)	1105.	12	0			90.00
11	7 mtr high pole	Nos.	9	8			72.00
	4 mtr high pole	Nos.	0	8			0.00
12	MISSION STREET ROAD- EXTN (Road no 15)	1105.	0	0			0.00
12	7 mtr road	Nos.	8	8			64.00
	4 mtr high pole	Nos.	0	8			04.00
		1103.	0	0	Т	otal	2016
							2010
	Supplying tinned copper lugs and crimping and wiring to						
	terminal point for wire of following sizes						
3.4	2.5 sq. mm copper conductor						
	(Ref Electrical SOR SI No.7.21.2)						
1	G.H.S ROAD(Road no 1)						
	7 mtr high pole	Nos.	27	6			162.00
-	4m high pole	Nos.	11	6			66.00
2	P.M RAO ROAD (Road no 2)						
	7m high pole	Nos.	14	6			84.00
	4m high pole	Nos.	3	6			18.00
3	SHARAVU TEMPLE ROAD (Road no 3)						0.4.00
	7m high pole	Nos.	14	6			84.00
	4m high pole	Nos.	8	6			48.00
4	G.H.S CROSSROAD (Jewllery Jn.) (Road no 4)	N					
	7 mtr high pole	Nos.	14	6			84.00
_	4m high pole	Nos.	2	6			12.00
5	VITOBHA TEMPLE ROAD (Road no 5)	Nisa	10				444.00
	7 mtr high pole	Nos.	19	6			114.00
~	4 mtr high pole	Nos.	0	6			0.00
6	MAIDAN 1st CROSS ROAD(Road no 7)	Nee	0	-			40.00
7	7 mtr high pole	Nos.	8	6			48.00
7	MAIDAN 3rd CROSS ROAD(Road no 8)	Nisa	40				00.00
	7 mtr high pole	Nos.	16	6			96.00
0	4 mtr high pole	Nos.	3	6			18.00
8	BIBI ALABI ROAD (Road no 9)	Nos.	40	6			252.00
	7 mtr high pole		42	6			252.00
9	4 mtr high pole	Nos.	0	6			0.00
Э	BIBI ALABI-KANADAK ROAD (Road no 10)	Nos.	19	6			114.00
	7 mtr high pole		<u>19</u> 7	6			114.00
10	4 mtr high pole	Nos.	1	б			42.00
10	MAIDAN 4th CROSS ROAD-EXTN (Road no 11) 7 mtr high pole	Nee	16				06.00
		Nos.	16	6			96.00
			10	6			70.00
11	4 mtr high pole J.M 1st CROSS ROAD (Road no 14)	Nos.	12	6			72.00

Sr.No.	Specification	Unit	No.	L	В	н	Quantity
	4 mtr high pole	Nos.	0	6			0.00
12	MISSION STREET ROAD- EXTN (Road no 15)						
	7 mtr road	Nos.	8	6			48.00
	4 mtr high pole	Nos.	0	6			0.00
					То	tal	1512
4.1	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)						
1	G.H.S ROAD(Road no 1)	Nos.	2	2			4.00
2	P.M RAO ROAD (Road no 2)	Nos.	1	2			2.00
3	SHARAVU TEMPLE ROAD (Road no 3)	Nos.	1	2			2.00
4	G.H.S CROSSROAD (Jewllery Jn.) (Road no 4)	Nos.	1	2			2.00
5	VITOBHA TEMPLE ROAD (Road no 5)	Nos.	1	2			2.00
6	MAIDAN 1st CROSS ROAD(Road no 7)	Nos.	1	2			2.00
7	MAIDAN 3rd CROSS ROAD(Road no 8)	Nos.	1	2			2.00
8	BIBI ALABI ROAD (Road no 9)	Nos.	3	2			6.00
9	BIBI ALABI-KANADAK ROAD (Road no 10)	Nos.	1	2			2.00
10	MAIDAN 4th CROSS ROAD-EXTN (Road no 11)	Nos.	1	2			2.00
11	J.M 1st CROSS ROAD (Road no 14)	Nos.	1	2			2.00
12	MISSION STREET ROAD- EXTN (Road no 15)	Nos.	1	2			2.00
					То	tal	30

Sr.No.	Specification	Unit	No.	L	В	н	Quantity
4.2	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)						
1	G.H.S ROAD(Road no 1)	m	2	407			814.00
2	P.M RAO ROAD (Road no 2)	m	2	160			320.00
3	SHARAVU TEMPLE ROAD (Road no 3)	m	2	204			408.00
4	G.H.S CROSSROAD (Jewllery Jn.) (Road no 4)	m	2	198			396.00
5	VITOBHA TEMPLE ROAD (Road no 5)	m	2	539			1078.00
6	MAIDAN 1st CROSS ROAD(Road no 7)	m	2	413			826.00
7	MAIDAN 3rd CROSS ROAD(Road no 8)	m	2	198			396.00
8	BIBI ALABI ROAD (Road no 9)	m	2	517			1034.00
9	BIBI ALABI-KANADAK ROAD (Road no 10)	m	2	506			1012.00
10	MAIDAN 4th CROSS ROAD-EXTN (Road no 11)	m	2	215			430.00
11	J.M 1st CROSS ROAD (Road no 14)	m	2	220			440.00
12	MISSION STREET ROAD- EXTN (Road no 15)	m	2	270			540.00
					То	otal	7694
5	Dismantling of 7 mtr high mast pole/ strut embedded in cement concrete foundation etc. as required RA attached	No	0				0.00
6	Erection of 7 mtr high mast 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,refilling,components, accessories etc. as required. Above 6.5 meter and upto 8.0 meter Existing poles (As per RA)	No	0				0.00

Assistant Executive Engineer MSCL Mangaluru

Executive Engineer MSCL Mangaluru

Name of the Work :- Mangalore Smart City 2.1.2 Rate Analysis of Electrical Lighting works

1	Lighting Poles									
1.1	Dismantling of pole/ street light standard/ strut embedded in cement concrete foundation etc. as required (Delhi analysis of rates E & M 2016, item 12.42, pg 395))									
	Rate 1,680.65 Nos.									
1.2	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))									
				1						
		Rate	4,057	Nos.						
1.3	Lighting Pole, 7 m Fabrication, suppl and erection of 7 meters le Octagonal pole with BSE 10025 grade S 355 for base plate with oor opening arrangement bakelite sheet and MCBs as per IS specifica 47 m/sec for 5 m pole in single section and s 9595/IS 10178 AWG having dimensions bott 3 mm thick, suitable base plate and 4 nos. of template and the pole shall be hot dip galvar less than 65 micron as per ASTM - A123 and as per drawing appended (Ref Electrical SOR SI No. 5.14.5)	ong hot 5 JO ste , icludin tions su ingle jo om 155 f lon ized in	dip Galvanise el plate for sh g suitable boa itable for wind int welded as mm dia, top g J bolts along single dipping	ed aft, IS 2062 ards, d speed of per IS 70 mm with g with g with not						
1.3	Fabrication, suppl and erection of 7 meters le Octagonal pole with BSE 10025 grade S 355 for base plate with oor opening arrangement bakelite sheet and MCBs as per IS specificat 47 m/sec for 5 m pole in single section and s 9595/IS 10178 AWG having dimensions both 3 mm thick, suitable base plate and 4 nos. of template and the pole shall be hot dip galvar less than 65 micron as per ASTM - A123 and as per drawing appended	ong hot 5 JO ste , icludin tions su ingle jo om 155 f lon ized in	dip Galvanise el plate for sh g suitable boa itable for wind int welded as mm dia, top g J bolts along single dipping	ed aft, IS 2062 ards, d speed of per IS 70 mm with g with g with not foundation)						

	Lighting Pole, 4 m Fabrication, supply and erection of 4 meters	-	•					
	Octagonal pole with BSE 10025 grade S 355 for base plate with door opening arrangement		•	-				
	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							
1.4	9595/IS 10178 AWG having dimensions bottom 130 mm dia, top 70 mm with							
	3 mm thick, suitable base plate and 4 nos. of and the pole shall be hot dip galvanized in si	•	•	•				
	65 micron as per ASTM - A123 and 153 etc., (excluding foundation) as							
	drawing appended (Ref Electrical SOR SI No.5.14.2)							
			l	1				
	Basic rate	Data	7398					
	Supplying and fiving of bot din Calvinized M	Rate	7,398					
1.5	Double Cross arm - 1500 mm							
	(Ref Electrical SOR SI No.5.18.5)		0.5.40					
	Basic rate	Rate	3540 3,540	Nos.				
1.6	Supplying and fixing of hot dip Galvinized M. luminaries and mounted on Octagonal pole u complete Single Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.2)							
	Basic rate		2400					
		Rate	2,400	Nos.				
1.7	Painting of Existing street light pole after scra with suitable colour enamel including coping, mtr to 7.5 mtr (Ref Electrical SOR SI No.16.28.2)	•••	•	•				
	Basic rate		620					
		Rate	620	Nos.				
2	Out door box and switch goar							
<u> </u>	Out door box and switch gear Supply installation testing and commissioni	<u>ו</u> na of סי	L utdoor junction	hox for				
2.1	Supply, installation, testing and commissioning of outdoor junction box for mounting MCB/Contactors with all required accessories and componenets							
	Price list (Considering 30% discount , 18% GST & 10% profit)	Rate	11,783	Nos.				

2.2	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)								
	Basic rate 1547								
		Rate	1,547	Nos.					
3	LT Cable								
3.1	Supplying of 1.1 kV LT cable having aluminium conductor PVC insulated, extruded inner sheathed, galvanised, steel strips 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)								
	Basic rate		117						
		Rate		Rm					
3.2	Supply and drawing flexible multicore cable we copper with low conductor conforming to Table and vargin PVC insulation and sheathed suit 1100 V as per IS-694:1990 and conforming t 3C x 2.5 sq. mm (Ref. Electrical SOR 2.8.8)	ole 3 Cl able fo	ass 5 of IS:813 r working volta	30-1984					
	Basic rate		81.6						
		Rate	81.60	Rm					
3.3	Supplying tinned copper lugs and crimping a wire of following sizes 16 Sq.mm PVC Aluminium Conductor (Ref Electrical SOR SI No.7.21,7.21.6)	nd wirir	ng to terminal	point for					
	Basic rate		11.31						
		Rate	11.31	Nos.					
3.4	Supplying tinned copper lugs and crimping a wire of following sizes 2.5 sq. mm copper conductor (Ref Electrical SOR SI No.7.21.2)	nd wirir							
	Basic rate		3.12						
		Rate	3.12	Nos.					

4.1	Chemical Earthing for grounding,conduits,IC the mter boardby using copper /SS rod with e compound which is non corrosive ,thermally permissible,limits,superior,fault,conductive ca resistance and capable of achieving ohmic va less than one ohm (Ref Electrical SOR Pg.No.64,SI No.7.23.6)	earth er ,conduc apacity,	hancing back ctive,potential,	fill to
	Basic rate		5500	
		Rate	5500.00	Kit
4.2	Supply and running GI conductor for groundi conduits system of wiring) using necessasary guttas/spacers etc-8 SWG (Ref Electrical SOR SI No.7.22.3)	•	· •	
	Basic rate		19.5	
		Rate	19.50	Rmt
5	Dismantling of 7 mtr high mast pole/ strut em foundation etc. as required RA attached	beddeo	d in cement co	oncrete
		Rate	2,541	Nos.
6	Erection of 7 mtr high mast metallic pole of for concrete 1 :3:6 (1 cement : 3 coarse sand : 6 nominal size) foundation including excavation accessories etc. as required. Above 6.5 meter and upto 8.0 meter Existing poles (As per RA)	grade	d stone aggree	gate 40 mm
		Rate	5,476	Nos.

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Name of the Work :- Mangalore Smart City 2.1.3 Rate Analysis of Electrical Lighting works

Sr. No.	Description	Unit	qty	Rate	Amount	Remark
1.1	Dismantling of pole/ street light standard/ strut embedded in cement concrete foundation etc. as required (Delhi analysis of rates E & M 2016, item 12.42, pg					
	395)) Line man	day	0.33	486.20	160.446	PWD SOR 2018-19, LVIII, SI. No 38
	Khasasi	day	2.66	466.20	1240.092	PWD SOR 2018-19, LXIV, SI. No 148
	Total				1400.538	·
	Contracto's profit @10%				140.0538	
	Contractor's over head @ 10%				140.0538	
					1680.6456	
1.2	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))					
	LABOUR					
	Mason, Grade 2	day	0.33	456.20	150.546	PWD SOR 2018-19, LVI, SI. No 13
	Lineman	day	0.33	486.20	160.446	PWD SOR 2018-19, LVIII, SI. No 38
	Khallasi	day	3.33	466.20	1552.446	PWD SOR 2018-19, LXIV, SI. No 148
	TOTAL				1863.438	
	Contracto's profit @10%				186.3438	
	Contractor's over head @ 10%				186.3438	
	TOTAL				2236.1256	
	Excavation including refilling as required	cum	0.87	328.90		PWD SOR 2018-19, pg-6 SI. No 2.3
	Cement concrete 1:3:6 (1 cement: 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	cum	0.29	6279.90		PWD SOR 2018-19, pg- 13, SI. No 4.1
	TOTAL				4057.2966	
	say				4057	
5	Dismantling of 7 mtr high mast pole/ strut embedded in cement concrete foundation etc. as required					
	Line man	day	1	486.20	486.20	PWD SOR 2018-19, LVIII, SI. No 38
	Khasasi	day	3.5	466.20	1631.70	PWD SOR 2018-19, LXIV, SI. No 148
	Total				2117.9	
	Contracto's profit @10%				211.79	
	Contractor's over head @ 10%				211.79	
					2541.48	

Sr. No.	Description	Unit	qty	Rate	Amount	Remark
6	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 high mast poles (Delhi analysis of rates E & M 2016, item 11.3.2, pg 372))					
	LABOUR					
	Mason, Grade 2	day	0.5	456.20	228.1	PWD SOR 2018-19, LVI, SI. No 13
	Lineman	day	1	486.20	486.2	PWD SOR 2018-19, LVIII, SI. No 38
	Khallasi	day	5	466.20	2331	PWD SOR 2018-19, LXIV, SI. No 148
	TOTAL				3045.3	
	Contracto's profit @10%				304.53	
	Contractor's over head @ 10%				304.53	
	TOTAL				3654.36	
	Excavation including refilling as required	cum	0.87	328.90	286.143	PWD SOR 2018-19, pg-6, SI. No 2.3
	Cement concrete 1:3:6 (1 cement: 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	cum	0.29	6279.90	1821.171	PWD SOR 2018-19, pg- 13, Sl. No 4.1
	TOTAL				5475.531	
	say				5476	

Assistant Executive Engineer MSCL Mangaluru

Executive Engineer MSCL Mangaluru

Name of the Work :- Manglore Smart City 3.1 BOQ OF SOFTSCAPE for DPR 7

Sr.No.	Specifications	Unit	Quantity	Rate	Amount	Remarks
1.1	SOIL MIXES and Ground Preparation					
1.1.1	Supplying and stacking of good earth at site including royalty and carriage upto 5 k.m. lead complete (earth measured in stacks will be reduced by 20% for payment). (Non SOR Item)	Cum	96.48	140.00	13,507	
1.1.2	KSRRB M300-Supply at site of work well decayed farm yard manure KSRRB M300- 11. Supply at site of work well decayed farm yard manure, from any available source, approved by the engineer in charge including screening and stackin complete as per specifications. MORTH Specification No. 308.2(Page No.152,SI.No.19.90)	Cum	47.52	224.40	10,663	
1.1.3	KSRRB M300-Horticulture KSRRB M300- Spreading of sludge farm yard manure or/ and good earth KSRRB M300-1. Spreading of sludge farm yard manure or/ and good earth in required thickness (cost of sludge, farm yard manure or/and good earth to be paid for separately) complete as per specifications. MORTH Specification No. 307 (KPWD SR 16-17,Page No.150,SI No.19.77)	Cum	144.00	113.30	16,315	
1.1.4	Mixing earth and sludge or manure in the required proportion specified or directed by the Officer-in-charge (Non SOR item)	Cum	144.00	23.91	3,443	
1.1.5	Soil preparation of Lawn					
	KSRRB M300-3.Making lawns including ploughing and breaking of clod,removal of rubbish,dressing and supplying doobs grass roots and planting at 15 cm apart,including supplying and spreading of farm yard manure at rate of 0.18cum per 100 sqm complete as per specifications. MORTH Specification No.307 (KSRRB 19.80)	Sqm	240.00	17.60	4,224	

Sr.No.	Specifications	Unit	Quantity	Rate	Amount	Remarks
1.2	TURF					
1.2.1	ZOYSIA JAPONICA (MAT) (Non SOR Item)	Sqm	240.00	156.80	37,632	
1.2	IRRIGATION					
1.2.1	supply and fixing of irrigation lines such that all the green areas and plants are adequately watered; by means of drip irrigation for trees, sub surface for shrubs and lawn areas / ground covers and pop up sprinklers for lawn areas. (Equipment make - Rainbird or equivalent) All material used should be comply to BSI code. All the necessary value and pump required for complete commissioning to be installed. (Non SOR Item)	Sqm	240.00	560.00	134,400	
			Total		2,20,184	

Assistant Executive Engineer MSCL Mangaluru

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Name of the Work :- Manglore Smart City 3.1.1 Measurement Sheet of softscape for DPR 7

Sr.No.	ltem	Unit	No.	L	в	н	041/
51.110.	nem	Unit	NO.	L	Б	п	Qty.
1.1	SOIL MIXES and Ground Preparation						
1.1.1	Supplying and stacking of good earth at site including royalty and carriage upto 5 k.m. lead complete (earth measured in stacks will be reduced by 20% for payment). (Non SOR Item)						
	Road	Cum	0.67	24.00	Area	0.60	9.65
	Road	Cum	0.67	42.00	Area	0.60	16.88
	median	Cum	0.67	290.00	0.60	0.60	69.95
	Consider 2/3rd Qty of Item No.1.1.7	Cum					96.48
1.1.2	KSRRB M300-Supply at site of work well decayed farm yard manure KSRRB M300-11. Supply at site of work well decayed farm yard manure, from any available source, approved by the engineer in charge including screening and stackin complete as per specifications. MORTH Specification No. 308.2(Page No.152,SI.No.19.90)						
	Road	Cum	0.33	24	Area	0.6	4.75
	Road	Cum	0.33	42	Area	0.6	8.32
	median	Cum	0.33	290	0.6	0.6	34.45
	Consider 1/3rd Qty of Item No.1.1.7	Cum					47.52
1.1.3	KSRRB M300-Horticulture KSRRB M300- Spreading of sludge farm yard manure or/ and good earth KSRRB M300-1. Spreading of sludge farm yard manure or/ and good earth in required thickness (cost of sludge, farm yard manure or/and good earth to be paid for separately) complete as per specifications. MORTH Specification No. 307 (KPWD SR 16-17,Page No.150,SI No.19.77)						
	Road	Cum	1	24	Area	0.6	14.40
	Road	Cum	1	42	Area	0.6	25.20
	median	Cum	1	290	0.6	0.6	104.40
					-	Total	144.00
1.1.4	Mixing earth and sludge or manure in the required proportion specified or directed by the Officer-in-charge (Non SOR item)						
	Consider Same Qty. of 1.1.7	Cum					144.00

Sr.No.	Item	Unit	No.	L	В	н	Qty.
1.1.5	Soil preparation of Lawn						
	KSRRB M300-3.Making lawns including						
	ploughing and breaking of clod, removal of						
	rubbish,dressing and supplying doobs grass						
	roots and planting at 15 cm apart,including supplying and spreading of farm yard manure at						
	rate of 0.18cum per 100 sqm complete as per						
	specifications.						
	MORTH Specification No.307						
	(KSRRB 19.80)						
	In rows 5 cm apart in both directions						
	Road	Sqm	1	24.00	Area		24.00
	Road	Sqm	1	42.00	Area		42.00
	median	Sqm	1	290.00	0.6		174.00
						Total	240.00
1.1.6	ZOYSIA JAPONICA (MAT) (Non SOR Item)						
	Road	Sqm	1	24	Area		24.00
	Road	Sqm	1	42	Area		42.00
	median	Sqm	1	290	0.6		174.00
						Total	240.00
1.2	IRRIGATION						
	supply and fixing of irrigation lines such that all						
	the green areas and plants are adequately						
	watered; by means of drip irrigation for trees,						
	sub surface for shrubs and lawn areas / ground						
	covers and pop up sprinklers for lawn areas.						
1.2.1	(Equipment make - Rainbird or equivalent)						
	All material used should be comply to BSI code.						
	All the necessary value and pump required for complete commissioning to be installed. (
	Consider Same Qty. of 1.1.6)						
	(Non SOR Item)						
	Road	Sqm	1	24	Area		24.00
	Road	Sqm	1	42	Area		42.00
	median	Sqm	1	290	0.6		174.00
						Total	240.00

Assistant Executive Engineer MSCL Mangaluru

Executive Engineer MSCL Mangaluru

Name of the Work :- Manglore Smart City 3.1.2 Rate Analysis of SOFTSCAPE for DPR 7

RATE ANALYSIS - SOFTSCAPE

1.1.1	Supplying and stacking of good earth at site including royalty and carriage upto 5 k.m. lead complete (earth measured in stacks will be reduced by 20% for payment). (Non SOR Item)									
	Rate Approved as per EOI by MD MSCL Mangalore,Refer Sr.No.27	Rate	140.00	Cum						
1.1.2	KSRRB M300-Supply at site of work well decayed farm yard manure KSRRB M300-11. Supply at site of work well decayed farm yard manure, from any available source, approved by the engineer in charge including screening and stackin complete as per specifications. MORTH Specification No. 308.2(Page No.152,SI.No.19.90)									
	Basic rate		204							
	Add 10% For area weightage		20.4							
		Rate	224.40	Cum						
1.1.3	KSRRB M300-Horticulture KSRRB M300-Sp good earth KSRRB M300-1. Spreading of sl required thickness (cost of sludge, farm ya separately) complete as per specifications. M (KPWD SR 16-17,Page No.150,SI No.19.77)	udge farm yard rd manure or/a 10RTH Specific	manure or/ and nd good earth ation No. 307	d good earth in to be paid for						
	Basic rate		103							
	Add 10% For area wightage	_	10.3							
		Rate	113.30							
1.1.4	Mixing earth and sludge or manure in the re Officer-in-charge (Non SOR item)	quired proportic	on specified or	directed by the						
	Rate Approved as per EOI by MD MSCL Mangalore,Refer Sr.No.28	Rate	23.91	Cum						

	Rate Approved as per EOI by MD MSCL	Rate	560.00	Sam					
1.2.1	supply and fixing of irrigation lines such that all the green areas and plants are adequately watered; by means of drip irrigation for trees, sub surface for shrubs and lawn areas / ground covers and pop up sprinklers for lawn areas. (Equipment make - Rainbird or								
1.2	IRRIGATION								
	Rate Approved as per EOI by MD MSCL Mangalore,Refer Sr.No.32	Rate	156.80	Sqm					
1.2.1	ZOYSIA JAPONICA (MAT) (Non SOR Item)								
1.2	TURF								
		Rate	17.60	Sqm					
	Basic rate Add 10% For area wightage		16 1.6						
1.1.5	Soil preparation of Lawn KSRRB M300-3.Making lawns including p rubbish,dressing and supplying doobs grass supplying and spreading of farm yard manuf as per specifications. MORTH Specification No.307 (KSRRB 19.80)	s roots and pla	nting at 15 cm 18cum per 100	apart,including sqm complete					

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Manglore Smart City 4.1.1 Rate Analysis for Kerb Stone

Sr.N	Description	Unit	Qty	Rate/Unit	Amount	Remarks
0.	Reusing existing kerb stone obtained from dismantaling of existing footpath or by other dismantaling work and laying at or near ground level in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm), including transportation to site from stack yard, making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).					
	Material for Jointing of existing kerb stone					
	Mortar 1:3 for fixing joints = 223x1x [((0.114+0.165)/2)*0.4*0.005] + (0.25x0.165x0.005) = 0.062cum. Cement mortar 1:3 (1 cement : 3 coarse sand)	Cum	0.032	5666.00	181.31	KSRB 1.3 Pg No 2
	Mason (brick layer) 1st class	day	2.500	466.20	1165.50	
	Mason (brick layer) 2nd class	day	2.500	456.20	1140.50	KSRB
	Beldar	day	2.500	446.20	1115.50	Pg No LIV
	Coolie	day	1.650	446.20	736.23	
	Total				4339.04	
	Add 1 % Water charges				43.39	
	Add 1% Transportation from stack yard to site				43.39	
					4425.82	
<u> </u>	Add 10 % Contractor's profit				442.58	
	Add 10% Contractor Overhead				442.58	
	Cost of 6.22cum				5310.99	
	cost for 1 cum.				853.86	A
	Cost of Kerb per RM				52.94	Per RM
	Cost per Kerb of width 0.45m =A X 0.0279cum (Vol of one Kerb)				24	Per No

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Manglore Smart City 4.0 Rate Analysis for Kerb Stone

Sr.N o.	Description	Unit	Qty	Rate/Unit	Amount	Remarks
	Providing and laying at or near ground level factory made kerb stone of M-20 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).					
	Kerb Dimension= Top Width=0.114m, Bottom Width=0.165 m, Height =0.4 m Details of cost 100 metre i.e. No. of kerb stones = $100/0.45=223$ Nos. width of kerb stone = $0.45m$ Precast C.C. Kerb stone M - $20 =$ 223x(((0.114+0.165)/2)*0.15+0.25*0.165))*0.4 5=6.23cum					
	Material					
	Precast C.C. Kerb stone M - 20	Cum	6.230	11874.13	73975.86	Rate attached
	Shuttering Work					
	Mortar 1:3 for fixing joints = 223x1x [((0.114+0.165)/2)*0.4*0.005] + (0.25x0.165x0.005) = 0.062cum. Cement mortar 1:3 (1 cement : 3 coarse sand)	Cum	0.032	5666.00	181.31	KSRB 1.3 Pg No 2
	Mason (brick layer) 1st class	day	2.500	466.20	1165.50	
	Mason (brick layer) 2nd class	day	2.500	456.20	1140.50	KSRB
	Beldar	day	2.500	446.20	1115.50	Pg No LIV
	Coolie	day	1.650	446.20	736.23	
	Total				78314.90	
	Add 1 % Water charges				783.15	
			ļ		79098.05	
	Add 10 % Contractor's profit				7909.81	
	Add 10% Contractor Overhead				7909.81	
	Cost of 6.22cum				94917.66	Δ.
	cost for 1 cum.				15260.07	A
	Cost per Kerb of width 0.45m =A X 0.0279cum (Vol of one Kerb)				426	Per No

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Manglore Smart City 4.1 Rate Analysis for Water Table (Longitudinal Gutter)

Sr.No.	Description	Unit	Qty	Rate/Unit	Amount	Remarks
1	Providing and laying at or near ground level factory made kerb stone of M-20 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).					
	Kerb Dimension= Top Width=0.075m, Bottom Width=0.1 m, Height =0.3 m Details of cost 100 metre i.e. No. of water table stones = $100/0.45=223$ Nos. width =0.45m Precast C.C. Kerb stone M - 20 = 223x(((0.075+0.1)/2)*0.3)*0.45=2.63cum					
	Material					
	Precast C.C. Kerb stone M - 20	Cum	2.630	14622.97	38458.42	Rate attached
	Shuttering Work					
	Mortar 1:3 for fixing joints = 223x1x [((0.075+0.1)/2)*0.3*0.005] = 0.029cum. Cement mortar 1:3 (1 cement : 3 coarse sand)	Cum	0.029	6996.00	202.88	KSRB 1.3 Pg No 2
	Mason (brick layer) 1st class	day	2.000	466.20	932.40	
	Mason (brick layer) 2nd class	day	2.000	456.20	912.40	KSRB
	Beldar	day	2.000	446.20	892.40	Pg No LIV
		day	1.650	446.20	736.23	
					42134.73	
	Add 1 % Water charges				421.35	
	Add 10.% Contractor's profit				42556.08 4255.61	
	Add 10 % Contractor's profit Add 10% Contractor Overhead				4255.61	
	Cost of 2.63cum				51067.30	
	cost for 1 cum.				19417.22	А
	Cost per Kerb of width 0.45m =A X 0.0118cum (Vol of one Kerb)				229	Per No

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Manglore Smart City

4.2 Rate Analysis for Kerb Stone 900 mm High

Sr.No.	Description	Unit	Qty	Rate/Unit	Amount	Remarks
1	Providing and laying at or near ground level factory made					
	kerb stone of M-20 grade cement concrete in position to					
	the required line, level and curvature, jointed with cement					
	mortar 1:3 (1 cement: 3 coarse sand), including making					
	joints with or without grooves (thickness of joints except					
	at sharp curve shall not to more than 5mm), including					
	making drainage opening wherever required complete					
	etc. as per direction of Engineer-in-charge (length of					
	finished kerb edging shall be measured for payment).					
	(Precast C.C. kerb stone shall be approved by Engineer-					
	in-charge).					
	Kerb Dimension=					
	Top Width=0.25m,					
	Bottom Width=0.3 m,					
	Height =0.9 m					
	Details of cost 100 metre i.e.					
	No. of kerb stones = 100/0.405=247 Nos.					
	width of kerb stone =0.4m					
	Precast C.C. Kerb stone M - 20 = 247x(((0.25+0.3)/2)*0.6+0.3*0.3))*0.405=25.5cum					
	Material					Rate
	Precast C.C. Kerb stone M - 20	Cum	25.500	14381.53	366729.05	attached
	Mortar 1:3 for fixing joints = $246x1x$					
	[((0.250+0.30)/2)*0.60*0.005] + (0.30x0.30x0.005) =	Cum	0.300	5666.00	1699.80	KSRB 1.3
	0.313cum.					Pg No 2
	Cement mortar 1:3 (1 cement : 3 coarse sand) Mason (brick layer) 1st class	day	2.500	466.20	1165.50	
	Mason (brick layer) 2nd class	day	2.500	456.20	1140.50	KSRB
	Beldar	day	2.500	446.20	1115.50	Pg No LIV
	Coolie	day	1.650	446.20	736.23	-
	Total				372586.58	
	Add 1 % Water charges				3725.87	
					376312.45	
	Add 10 % Contractor's profit				37631.24	
	Add 10% Contractor Overhead				37631.24	
	Cost of 25.5 cum				451574.93	
	cost for 1 cum.				17708.82	A
	Cost per Kerb of width 0.405m =A X 0.102cum (Vol of one Kerb)				1806	Per No

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	-: Name of the Work 4.3 Rate Analysis of Dry					
	Description	Unit	Quantity	Rate Rs	Cost Rs	Remarks/ Input ref.
	Dry Lean Cement Concrete Sub- base KSRRB M600-1. Construction of dry lean cement concrete mix M15 with 1:5:10 OPC cement @ 160Kgs,with 25mm and down size graded granite/trap/basalt metal coarse aggregate at 0.86cum and fine aggregate @ 0.58cum Sub-base over prepared sub grade with (coarse and fine aggregate confirming to IS:383) aggregate cement ration not to excee 15:1. Aggregate gradation after blending to be as per Table 600-1, cement content to be determined during trail length construction, concrete strength not to be less than 10Mpa at 7 days, mixed in a batching plant, transported to site, Manually laid and compacting with palte compactor, finishing and curing complete as per specifications.Morth specification No.601 (RA attached)					
	Unit = cum Taking output = 450 cum (990 tonne)					
	a) Labour					
	Mate	day	1.120	446.200	499.74	SI.No.12,Pa ge No.LIV,
	Mazdoor skilled	day	6.000	446.200	2677.20	SI.No.6,Pag e No.LIV,
	Mazdoor	day	22.000	446.200	9816.40	SI.No.6,Pag e No.LIV,
	b) Machinery Front end loader 1 cum bucket capacity	hour	6.000	593.00	3558.00	SI.No.26,Pa ge No.XXXXVII
	Cement concrete batch mix plant @ 75 cum per hour	hour	6.000	1525.00	9150.00	SI.No.104,P age No.L
	Electric generator 100 KVA	hour	6.000	534.00	3204.00	SI.No.92,Pa ge No.XXXXIX
	Plate Compactor	Day	1.000	254.00	254.00	SI.No.65,Pa ge No.XXXXVIII
	Water tanker6 KL capacity	hour	8.000	550.00	4400.00	
	Tipper	tonne.k m	990 x L	4.00	39600.00	
	Add 10 per cent of cost of carriage to cover cost of loading and unloading c) Material				3960.00	
	Crushed stone coarse aggregate of 25 mm and 12.5 mm nominal sizes graded as per table 600-1 @ 0.90 cum/cum of concrete conforming to clause 602.2.4.	cum	405.000	1460.00	591300.00	800.00
	Coarse Sand as per IS: 383 @ 0.45 cum/cum of concrete	cum	203.000	1700.00	345100.00	800.00
	Cement @ 160 kg/cum of concrete	tonne	72.000	4906.00	353232.00	84.00
	Cost of water d) Overhead charges @ 10 % on (a+b+c)	KL	48.000	40.00	1920.00 136867.13	818.00
	e) Contractor's profit @ 10 % on (a+b+c+d)				150553.85	
	, , , ,					
	Cost for 450 cum = $a+b+c+d+e$				1656092.33	
	Rate per cum = (a+b+c+d+e)/450			say	3680.21 3680.00	
Note	Quantity provided for aggregate is for estimating purpose. Exact quantity shall be as per mix design.			549		

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Name of the Work :- Mangalore Smart City

4.4 Rate Analysis for Granular Sul	b Base under Footpath
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Sr No	Ref. to MoRTH Spec.		Description	Unit	Quantity	Rate Rs	Cost Rs	Remarks/ Input ref.
4.1	401		Granular Sub-Base with Close Graded					
			Material (Table:- 400-1)					
		Α	Plant Mix Method					
			Construction of granular sub-base by providing close graded Material, mixing in a mechanical					
			mix plant at OMC, carriage of mixed Material to					
			work site, spreading in uniform layers with motor					
			grader on prepared surface and compacting with					
			vibratory power roller to achieve the desired density, complete as per clause 401					
			Unit = cum					
			Taking output = 225 cum (450 tonne)					
			a) Labour					
			Mate	day	0.4	395	158	SI.No.12,Page No.LIV,
			Mazdoor skilled	day	2	446.2	892.4	SI.No.6,Page No.LIV,
			Mazdoor	day	8	446.2	3569.6	SI.No.6,Page No.LIV,
			b) Machinery					
			Wet mix plant @ 60 tonne capacity per hour	hour	3	960		1028
			Electric generator 100KVA	hour	6	534	3204	1321
			Water tanker 6 KL capacity 5 km lead with one trip per hour	hour	4.5			1032
			Front end loader 1 cum bucket capacity	hour	6	593	3558	1012
			Tipper 10 tonne	tonne.km	450 x L	4	28800	
			Add 10 per cent of cost of carriage to cover loading and unloading				2880	
			Motor Grader 110 HP	hour	6	2125	12750	<u></u>
			Plate Compactor	Day	1	254	254	SI.No.65,Page No.XXXXVIII
	ļ		c) Material					
			Close graded Granular sub-base Material as per table 400-1					
			For Grading-II Material					
			53 mm to 9.5 mm @ 50 per cent	cum	144			M-013
			9.5 mm to 2.36 mm @ 20 per cent	cum	57	1340		M-017
			2.36 mm below @ 30 per cent	cum	86.4	1150	99360	M-020
		()	Cost of water	KL	27	40	1080	Page No.V,SI.No.758
4.1A		(i)	Rate per cum for grading-II Material				44000.0	
			d) Overhead charges @ 10% on (a+b+c)				44623.8	
			e) Contractor's profit @ 10% on (a+b+c+d)				49086.2	
			Cost for 225 cum = a+b+c+d+e				539948	
			Rate per cum = (a+b+c+d+e)/225				2399.77	
						say	2400	

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Name of the Work :- Mangalore Smart City 4.5 Rate Analysis of taking out paver block

Sr.No.	Description	Unit	Quantity	Rate	Amount	Reference					
1	Taking out existing CC interlocking paver blocks from footpath/ central verge, including removal of rubbish etc., disposal of unserviceable material to the dumping ground, for which payment shall be made separately and stacking of serviceable material within 50 metre lead as per direction of Engineer-in-Charge.										
	Details of cost fo	r 10 sqm.									
а	Labour										
b	Beldar	Day	0.25	446.2	111.55	KPWD 18-19 SOR, Pg No.LVI SI No.5					
С	Collie	Day	1	446.2	446.2	KPWD18-19 SOR, Pg No.LVI,SI No.6					
d	Sundries	LS	2.7	1.73	4.67	CPWD Pg No 29,					
	Total				562.42						
е	Add 1% Water C	harges			5.62						
	Total				568.04						
f	Add 10 % Contra	ctor's prof	it		56.8						
g	Add 10 % Contra	ctor's ove	rheads		56.804						
	Cost of 10 sqm				681.644						
	Cost of 1 sqm				68.16						

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Name of t 4.6 Rate Analysis For Raisir					to Pron			
Description	Unit	No.	L	B	D	Quantity	Rate Rs	Cost Rs
Raising manhole cover and frame to the required road top level including the removing existing cover and raising of MH top wall in RCC M25 and refixing the same cover in proper position with complete finish, including cost of all materials, labour, etc. complete.								
Removing manhole cover and frame refixing the same in cement concrete (1:2:4) band alround including finishing etc., complete.	Nos	1.00				1.000	127.00	127.00
Concrete-M25	Cum	1.00	1.88	0.20	0.30	0.113	6367.00	720.00
		Cum	kg/Cum	kg	MT			
Reinforcement	MT	0.11	70.00	7.91	0.01	0.008	56050.00	444.00
Centring	Sqm	2.00	1.88		0.30	1.130	293.000	332.00
SubTotal								1623.00
Add 1% water charges on all except (A)								17.00
Sub Total								1640.00
Add 10% Contractor's profit and overheads on all except (A)								164.00
Sub Total								1804.00

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	5.0 Summary for Maintenance	<u>e</u>
Sr.No.	description	Total Amount Rs.
1	2nd year Maintenance	4,055,506.00
2	3rd year Maintenance	4,263,514.00
3	4th year Maintenance	4,386,071.00
	Total Maintenance Amount	12,705,091.00
	GST @12% for Maintenance Period on SOR Base Items	921,723.00
	GST @12% for Maintenance Period on Market Base Items	298,012.00
	Total	13,924,826.00

Note: Maintenance cost is approved by KUIDFC

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Name of the Work :- Mangalore Smart City 5.1 Abstract for Maintenance of Road and Other Work for DPR 7-1st Year

Sr. No.	Specification	Unit	Total Qty.	Rate	Amount
1.00	Civil Works Maintenance for 1st Year: Taking out existing CC interlocking paver blocks from footpath/ central verge, including removal of rubbish etc., disposal of unserviceable material to the dumping ground, for which payment shall be made separately and stacking of serviceable material within 50 metre lead as per direction of Engineer-in-Charge.(RA attached)	Sqm	20.00	77.98	1560
2.00	Maintenance for 1st Year: KSRRB M200.Dismantling of cement concrete pavement by mechanical means using pueumatic tools,breaking to pieces not exceeding 0.02 cum in volume and stock pilling at designated locations and disposal of dismantled material stacking serviceble and unserviceable materials separately complete as per specifications.MORTH specification No.202.(Including transporting charges,loading and unloading for lead 5km-Extra) (Page No 138,SI No : 18.47)	Cum	0.27	1028.46	,278
3.00	Maintenance for 1st Year: KSRRB M200-Dismantaling of kerb Stone and Channel KSRRB M200-26. Dismantling Kerb stone by Manual means and disposal of dismantled materials with all lifts and complete as per specifications.MORTH Specification No.202. (Page No.139,S.I.No.18.49)	Rmt	20.00	13.73	275
4.00	Maintenance for 1st Year: KSRRB M200-13.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. II. By Mechanical Means. A. Cement Concrete Grade M-15 &M-20. MORTH Specification No. 202 (KPWD SOR 16-17,18.20,Page No.137)		20.00	446.16	8,923
5.00	Maintenance for 1st Year: KSRRB M200-12.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonary, cement concrete, woodwork, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. i)Dismantaling Brick/Tile work B.In Cement mortar (Page No 137,SI No : 18.23)	Cum	0.02	401.54	8
6.00	Maintenance for 1st Year: KSRRB M300-14. Excavation for roadwork in all types of soil with hydraulic excavator of 0.9 bucket capacity including cutting and loading in tippers,trimming bottom and side slopes,in accordance with requirements of lines and grades and cross sections,and transporting disposal location up to a lead of 1.00Km and complete as per specifications. MORTH specification No.301(Including transporting charges, loading and unloading for lead 5km) (Page No 143,SI No : 19.14)	Cum	350.00	57.60	20,160
7.00	Maintenance for 1st Year: 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.(KPWD 16-17,SI No.2.11,Pg. No.6)	Cum	150.00	137.28	20,592
8.00	Maintenance for 1st Year: KSRRB 300-Compaction KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3.(KPWD 16-17,SI No.19.64,Pg. No.149)	Sqm	75.00	6.86	,515

Sr. No.	Specification	Unit	Total Qty.	Rate	Amount
9.00	Maintenance for 1st Year: KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix M15 Grade with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No. 4.6 of PWD SR 2015-16)		6.00	6749.60	40,498
10.00	Maintenance for 1st Year: KSRRB M400-6.1. Construction of granular sub-base by providing close graded crushed stone aggregates of granite / trap / basalt material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with Plate compactor to achieve the desired density, complete as per specifications. A. Plant Mix Method. Close graded granular sub-base material as per 400-1 For Grading- II Material		11.25	2477.90	,27,876
11.00	Maintenance for 1st Year: KSRB 4.2.1 : Providing and laying in position reiforcement cement concrete of design Mix M25 with OPC cement @340Kgs,with 20mm and down size graded granite metal coarse aggregate @ 0.47 cum with super plasticisers @3 liters confirming to IS 9103-1999 reafirmed -2008 at machine mixed,concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls,return walls,walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks,anchor blocks & plinths etc.,Including cost of labour,HOM of machinery,curing,complete but excluding cost of reinforcement as per specifications. (Page No 13,SI No : 4.10)	Cum	31.20	7090.51	2,21,224
12.00	Maintenance for 1st Year: KSRB 4.6.1 Providing and removing centering, shuttering, strutting, propping etc.,and removal of formwork for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No. KSB 4.6.2 (Page No 15,SI No : 4.28)		252.00	300.87	75,819
13.00	Maintenance for 1st Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work including straighting,cutting,bending,hooking,placing in position,lapping and/or welding wherever required,tying with binding wire and anchoring to thr adjoing members wherever necessary complete as per design (laps,hooks and wastage shall not be measured and paid) cost of materials,labour,HOM of machinary complete as per specifications.Specification No. KBS4.6.3. do with TMT bars Fe500	МТ	2.50	80974.61	2,02,437
14.00	Maintenance for 1st Year: KSRRB M300-Construction of Subgrade. KSRRB M300-55. Construction of sub- grade with approved material Gravel/Murrum with all lifts & leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of Table No. 300-2 complete as per specifications (including cost of earth, watering charges & compaction by vibratory rollercompaction by vibratory roller to 97% of proctors density) MORTH Specification No. 305	Cum	24.50	643.19	15,758
15.00	Maintenance for 1st Year: KSRRB M600-1.Construction of dry lean cement concrete mix M15 with 1:5:10 OPC cement @160Kgs,with 25mm and down size graded granite/trap/basalt metal coarse aggregate at 0.86cum and fine aggregate @ 0.58cum Sub-base over prepared sub grade with (coarse and fine aggregate confirming to IS:383) aggregate cement ration not to excee 15:1. Aggregate gradation after blending to be as per Table 600-1, cement content to be determined during trail length construction, concrete strength not to be less than 10Mpa at 7 days,mixed in a batching plant,transported to site,laid with a paver with electronic sensor,compacting with 8- 10 tonnes double drum vibratory roller,finishing and curing complete as per specifications.Morth specification No.601 (Page No 176,SI No : 22.1)	Cum	9.80	4630.91	45,383

Sr. No.	Specification	Unit	Total Qty.	Rate	Amount
16.00	Maintenance for 1st Year: KSRRB M600-1.Construction of dry lean cement concrete mix M15 with 1:5:10 OPC cement @160Kgs,with 25mm and down size graded granite/trap/basalt metal coarse aggregate at 0.86cum and fine aggregate @ 0.58cum Sub-base over prepared sub grade with (coarse and fine aggregate confirming to IS:383) aggregate cement ration not to excee 15:1. Aggregate gradation after blending to be as per Table 600-1, cement content to be determined during trail length construction, concrete strength not to be less than 10Mpa at 7 days,mixed in a batching plant,transported to site,Manually laid and compacting with palte compactor,finishing and curing complete as per specifications.Morth specification No.601 (RA attached)	Cum	1.60	4209.92	6,736
17.00	Maintenance for 1st Year: KSSRRB M600-2.Construction of unreinforced,dowel jointed,plain cement concrete pavement over a prepared sub base with 25mm and down size graded granite metal coarse aggregate with superplastisizer at 3 lts confirming to IS9103-1999 reaffirmed 2008(Coarse and fine aggregate conforming to IS:383) mixed in a batching and mixing plant as per approved mix design,transported to site,laid with a fixed form paver spread,compacted and finished in a continuos operation including provision of contraction, expansio, construction and longitudinal joints,including groove cutting chrges, joints filler,separation memberane, sealent primer, joints sealant, debonding strip, dowel bars at 4.5m intervals, tie rod, admixtures as approved, curing compound,finishing to lines and grades as per drawing complete as per sprcifications MORTH specification No.602.do with M40 (420Kg per cum Cement,C.A,0.67 cum F.A.044Cum (Page No 176,SI No : 22.2.2)	Cum	11.27	6595.16	,74,327
18.00	Maintenance for 1st Year: Providing and placing joint sealant compound of cold polysulphide in the grooves after widening the groove to required width, sand blasting the groove face if recommended by the sealant manufacturer, cleaning the groove with air compressor, insertion of debonding strip, priming the sides of the sealant if the sealant manufacturer recommends and pouring the sealant all complete including material, manpower (Non SOR Item)	Rmt	5.00	119.60	,598
19.00	Maintenance for 1st Year: KSRRB 3000 Repair of Joint Grooves with Epoxy Mortar KSRRB M3000-8 Repairs of spalled joints grooves of contraction joints longitudinal joints and expansion joints in concrete pavement using epoxy mortar concrete complete as per specifications.Morth specification No.3005.1 (Page No 257,SI No : 35.8)		100.00	378.66	37,866
20.00	Maintenance for 1st Year: Providing and laying at or near ground level factory made kerb stone of M-20 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge). (RA Attached)		0.05	20258.89	1,013
21.00	Maintenance for 1st Year: Providin and fixing pre cast solid concrete Kerb stones as per the drawing, made out of CC 1:2:4 and Jointed with CM 1:3 and finishing cutting, including cost of all materials,labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc.,complete (Page No 25,SI No : 5.3)	-	2.51	17710.96	44,455
22.00	Maintenance for 1st Year: Providin and fixing pre cast solid concrete water table(longitudinal gutter) as per the drawing,made out of CC 1:2:4 and jointed with CM 1:3 and finishing cutting, including cost of all materials,labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc.,complete (Page No 25,SI No : 5.3)	Cum	0.30	17710.96	5,313

Sr. No.	Specification	Unit	Total Qty.	Rate	Amount
23.00	Maintenance for 1st Year: Removing and resetting of kerb stones. including cost of all materials, scaffolding HOM of machineries with all lead and lifts, labour charges including implementation of Environmental and Social Safeguards & as per design, drawing, technical specifications and directions of Engineer-in-charge.	m	100.00	27.46	2,746
24.00	Maintenance for 1st Year: KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 (Page No 182,SI No : 24.1)	Sqm	11.55	91.52	1057
25.00	Maintenance for 1st Year: P/F FRP Recess Cover (2.5T) 900mmx600 mm with frame on Manhole for electrical ducting.	Nos.	2.00	8395.92	16,792
26.00	Maintenance for 1st Year: P/F FRP Recess Cover (2.5T) 600mmx450 mm with frame at raised footpath on SWD. (Rate analysis attached)	Nos.	4.00	5487.63	21,951
27.00	Maintenance for 1st Year: P/F FRP Water gully cover with frame (25T) 600mmx500 mm at level footpath. (Rate analysis attached)	Nos.	1.00	6048.15	6,048
28.00	Maintenance for 1st Year: Providing gully pipe lowering, laying of PVC 100 mm dia pipes to the required alignments including specials and grade as indicated in drawings/design and hydraulically testing of the pipe line. The rate shall include all jointing materials, testing apparatus and water for testi g etc as directed by the Engineer in charge (page No.41, Item No.7, KUWSDB SOR 2016-17)		3.00	313.58	,941
29.00	Maintenance for 1st Year: KSRB 11-18-17.1 : 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. (PWD SR 2015-16,P.No.86, SI.No.12.89)	Nos.	3.00	949.52	2,849
30.00	Maintenance for 1st Year: KSRRB M800-29.3.Cable Duct Across the road KSRRB M800-29.1. Providing and laying of a reinforced cement concrete pipe duct, 300 mm dia, across the road (new construction), extending from drain to drain in cuts and toe of slope to toe of slope in fills, constructing head walls at both ends, providing a minimum fill of granular material over top and sides of RCC pipe as per IRC:98-1997, bedded on a 0.3 m thick layer of granular material free of rock pieces, outer to outer distance of pipe at least half dia of pipe subject to minimum450 mm in case of double and triple row ducts, joints to be made leak proof, invert level of duct to be above higher than ground level to prevent entry of water and dirt, all as per IRC: 98 - 1997 and approved drawings complete as per specifications. Case-III :Triple row for three utility services. (PWD SR 2015-16,SI.No.24.36)	Rmt	4.00	5745.17	22,981
31.00	Maintenance for 1st Year: Providing and laying Dia 225mm HDPE Electrical pipe Conduits with Silicore Lubricant inner layer with ribs, dimensional ratio of 13.5,Deflection not greater than 5% when exposed to the normal operating temparature 90°C under the over burden soil presuure and other physical properties comforming to ASTMF 2160 and /or NEMA TC7.The expected service life of HDPE pipe conduits and accessories shall not be less than 50 years. (Market Rate)	Rmt	150.00	2050.67	3,07,601
32.00	Maintenance for 1st Year: Providing and laying Dia 160mm HDPE Electrical pipe Conduits with Silicore Lubricant inner layer with ribs, dimensional ratio of 13.5,Deflection not greater than 5% when exposed to the normal operating temparature 90°C under the over burden soil presuure and other physical properties comforming to ASTMF 2160 and /or NEMA TC7.The expected service life of HDPE pipe conduits and accessories shall not be less than 50 years.(Market Rate)	Rmt	60.00	1111.66	,66,700
33.00	Maintenance for 1st Year: Providing and Fixing Spacers for Power Ducts of size 200 mm, to be placed at an interval of 1.5 meter. Spacers shall be made of ABS raw material. (Market rate)	Nos.	20.00	1143.42	22,868

Sr. No.	Specification	Unit	Total Qty.	Rate	Amount
34.00	Maintenance for 1st Year: Providing and Fixixng Spacers for Power Ducts of size 160 mm, to be placed at an interval of 1.5 meter. Spacers shall be made of ABS raw material. (Market rate)	Nos.	20.00	2219.58	44,392
35.00	Maintenance for 1st Year: Supplying 7-way 40mm HDPE pipe Multi-way Duct Silicore Lubricant inner layer for ICT fibre cables comforming to ASTMF 2160 and /or equivalent indian standard and conveying to work site including loading and unloading at both destination and rolling,lowering into trenches,laying true to line and jointing of pipe etc.Complete. (Market Rate)		40.00	625.35	25,014
36.00	Maintenance for 1st Year: Supplying and Application charges required for stamping the freshly laid new concrete (Concrete rate is not included in this item) including finishing and colouring the top surface accurately to the required level,shape and size using approved colour shade and staping it using approved stamp pattern and antiquitting it on top with approved colour.Sealing entire area with concrete sealer.	Sam	80.00	713.86	,57,109
37.00	Maintenance for 1st Year: Providing and laying heavy duty cobble stones 75mm thick, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 30mm 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. (Page No 101,SI No : 14.7)		30.00	1274.42	38,233
38.00	Maintenance for 1st Year: KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications MORTH Specification No. 507 -using 100/120 TPH capacity H.M.P. with sensor paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen(KPWD 16-17,S.I.No.21.17.1,Page No.163)	Cum	1.13	8967.82	10,134
39.00	Maintenance for 1st Year: KSRRB M500-19. Providing and laying bituminous concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications. MORTH Specification No. 509 - using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 45 mm) with 6 % VG-40 Bitumen	Cum	0.30	10022.58	3,007
40.00	Maintenance for 1st Year: KSRRB M800 Road markers / Road stud KSRRB M800-35. Providing and fixing of road stud 100x 100 mm, diecast in aluminium, resistant to corrosive effect of salt and grit, fitted with lense reflectors, installed in concrete or asphaltic surface by drilling hole 30 mm upto a depth of 60 mm and bedded in a suitable bituminous grout or epoxy mortar, all as per BS: 873 part 4:1973 complete as per specifications	Nos.	5.00	330.62	1,653

Sr. No.	Specification	Unit	Total Qty.	Rate	Amount
41.00	Maintenance for 1st Year: Supply & Installation of Solar Raised Pavement Markers made of polycarbonate molded body with circular shape, solar powered, LED self illumination in active mode, 360 degree illumination and reflective panels with micro prismatic lens in passive mode. The marker shall support a load of20000 kg tested in accordance to IRC 37 and shall be resistant doust and water ingress according to IP 65 (Ingress Protection 65 is a test which is conducted to check if solar road stud is protected from total dust Ingress and low pressure water jets from any direction) standards and should withstand temperatures in the range of 0 C to 70 C. Color of lighting could be provided in red or yellow (amber) as per requirement and typical frequency of blinking is 1 Hz. There should be current losses of less than 20 micro-amperes at 2.4 V in sleep-charging mode to enhance the life of the marker and a full charge should provide for a minimum autonomy of 50 hours. The height, width and length of the marker shall not be less than 10 mm x 100 mm x 100 mm. Also, the surface diameter of the marker shall not be less than 100 mm respectively. The weight of the marker shall not exceed 0.5 Kilograms. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation and complete as directed by the engineer.	Nos.	2.00	3387.38	6,775
42.00	Maintenance for 1st Year: Road Marking with hot applied Thermoplastic Compound with Reflectrising Glass Beads on Concrete Surface:Providing and laying of hot applied thermoplastic compound 2.5mm thick including reflectorising glass beads at 250 gms and 2 ltr of primer per sqm area,thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35.The finished surface to be level,uniform and free from streak and holes complete as per specifications.MORTH specification No.803 (Page No 192,SI No : 24.57)		30.00	490.78	14,723
43.00	Maintenance for 1st Year: Operation and Maintenance for eToilets Stainless Steel Public Model as specified in Road and Other works BOQ Item No.45.	Nos	4.00	63648.00	2,54,592
44.00	Maintenance for 1st Year: Providing and fixing of S.S. Bollards(SS304) on footpath as specified and directed by Engineer -in-charge (NON SOR Item)	Nos.	2.00	4680.00	9,360
45.00	Maintenance for 1st Year: Providing and fixing of railing as detail design in MS HOLLOW SECTION and bars (shop drawing to be approved),with vertical support of 0.9m @2.2mc/c, all complete to the satisfaction of the Landscape architect.(Non SOR Item)	МТ	0.30	104000.00	31,200
46.00	Maintenance for 1st Year: Excavation and removal of silt and silt mixed with sand in slussy condition from canal bed including disposing off the same in spoil bank or on the canal embankment in layers as directed etc., complete with lead upto 50 m and all lifts. For Desilting of drains and grit chambers including cost of all materials, scaffolding HOM of machineries with all lead and lifts, labour charges including implementation of Environmental and Social Safeguards & as per design, drawing, technical specifications and directions of Engineer-in-charge.	Cum	1452.22	186.16	2,70,345
47.00	Maintenance for 1st Year: Extra Lead for Disposing off unserviceable materials upto 10 Km beyond initial Lead Item No 17.4 KSRRB M100-4.1-Earth	Cum	200.00	107.08	21,416
48.00	Maintenance for 1st Year: Extra Lead for Disposing off unserviceable materials upto 10 Km beyond initial Lead Item No 17.4 KSRRB M100-4.1-Debris	Cum	70.00	107.54	7,528
	Electrical Works				
49.00	Maintenance for 1st Year: Dismantling of pole/ street light standard/ strut embedded in cement concrete foundation etc. as required (Delhi analysis of rates E & M 2016, item 12.42, pg 395))	Nos.	1.00	1747.88	1748

Sr. No.	Specification	Unit	Total Qty.	Rate	Amount
50.00	Maintenance for 1st Year: 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)	Nos.	1.00	12916.80	12,917
51.00	Maintenance for 1st Year: 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)	Nos.	1.00	7693.92	7,694
52.00	Maintenance for 1st Year: 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.	1.00	3681.60	3,682
53.00	Maintenance for 1st Year: 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.	1.00	2496.00	2,496
54.00	Maintenance for 1st Year: Painting of Existing street light pole after scrapping the old paint and painted with suitable colour enamel including coping/footing of the pole8mtr and above street light pole (Ref Electrical SOR SI No.16.28.3)	Nos.	241.00	644.80	155,397
55.00	Maintenance for 1st Year: Supply, installation, testing and commissioning of outdoor junction box for mounting MCB/Contactors with all required accessories and componenets	Nos.	70.00	12254.24	857,797
56.00	Maintenance for 1st Year: 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.	1.00	1608.88	1,609
	LT Cable				
57.00	Maintenance for 1st Year: 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	60.00	121.68	7,301

intenance for 1st Year: oply and drawing flexible multicore cable with electrolyte grade flexible copper in low conductor conforming to Table 3 Class 5 of IS:8130-1984 and vargin PVC ulation and sheathed suitable for working voltage up to 1100 V as per IS- ::1990 and conforming to GTP of Group A. x 2.5 sq. mm (Ref. Electrical SOR 2.8.8) intenance for 1st Year: oplying tinned copper lugs and crimping and wiring to terminal point for wire of owing sizes Sq.mm PVC Aluminium Conductor f Electrical SOR SI No.7.21,7.21.6) intenance for 1st Year: oplying tinned copper lugs and crimping and wiring to terminal point for wire of owing sizes is q. mm copper conductor f Electrical SOR SI No.7.21.2) thing system intenance for 1st Year: emical Earthing for grounding,conduits,IC cut outs and otherequipmentson the r boardby using copper /SS rod with earth enhancing backfill compound which is to corrosive , thermally,conductive, potential, to missible,limits,superior,fault,conductive capacity,non toxic,weather resistance I capable of achieving ohmic value is than one ohm f Electrical SOR Pg.No.64,SI No.7.23.6)	m Nos Nos	10.00	84.86 11.76 3.24	849 118 26
polying tinned copper lugs and crimping and wiring to terminal point for wire of owing sizes Sq.mm PVC Aluminium Conductor <u>f Electrical SOR SI No.7.21,7.21.6</u>) intenance for 1st Year: oplying tinned copper lugs and crimping and wiring to terminal point for wire of owing sizes is q. mm copper conductor <u>f Electrical SOR SI No.7.21.2</u>) thing system intenance for 1st Year: emical Earthing for grounding,conduits,IC cut outs and otherequipmentson the er boardby using copper /SS rod with earth enhancing backfill compound which is a corrosive ,thermally,conductive,potential,to missible,limits,superior,fault,conductive capacity,non toxic,weather resistance I capable of achieving ohmic value is than one ohm f Electrical SOR Pg.No.64,SI No.7.23.6)	Nos	8.00		
poplying tinned copper lugs and crimping and wiring to terminal point for wire of owing sizes is q. mm copper conductor if Electrical SOR SI No.7.21.2) thing system intenance for 1st Year: emical Earthing for grounding,conduits,IC cut outs and otherequipmentson the er boardby using copper /SS rod with earth enhancing backfill compound which is a corrosive ,thermally,conductive,potential,to missible,limits,superior,fault,conductive capacity,non toxic,weather resistance I capable of achieving ohmic value is than one ohm f Electrical SOR Pg.No.64,SI No.7.23.6)			3.24	26
intenance for 1st Year: emical Earthing for grounding,conduits,IC cut outs and otherequipmentson the er boardby using copper /SS rod with earth enhancing backfill compound which is corrosive ,thermally,conductive,potential,to missible,limits,superior,fault,conductive capacity,non toxic,weather resistance I capable of achieving ohmic value s than one ohm f Electrical SOR Pg.No.64,SI No.7.23.6)	Kit	1.00		
intenance for 1st Year:		1.00	5720.00	5,720
oply and running GI conductor for grounding and (along with other wires in duits system of wiring) using necessasary suitable size clamps, nails, tas/spacers etc-8 SWG f Electrical SOR SI No.7.22.3)	Rmt	50.00	20.28	1,014
adcaping Works				
IL MIXES and Ground Preparation				
intenance for 1st Year: oplying and stacking of good earth at site including royalty and carriage upto 5 . lead complete (earth measured in stacks will be reduced by 20% for payment). In SOR Item)	Cum	1.50	145.60	218
intenance for 1st Year: RRB M300-Supply at site of work well decayed farm yard manure KSRRB M300- Supply at site of work well decayed farm yard manure, from any available rce, approved by the engineer in charge including screening and stackin nplete as per specifications. MORTH Specification No. 308.2(Page 152,SI.No.19.90)	Cum	0.75	233.38	175
intenance for 1st Year: RRB M300-Horticulture KSRRB M300-Spreading of sludge farm yard manure or/ I good earth KSRRB M300-1. Spreading of sludge farm yard manure or/ and id earth in required thickness (cost of sludge, farm yard manure or/and good th to be paid for separately) complete as per specifications. MORTH Specification 307 WD SR 16-17,Page No.150,SI No.19.77)	Cum	2.00	117.83	236
intenance for 1st Year: ing earth and sludge or manure in the required proportion specified or directed by Officer-in-charge n SOR item)	Cum	2.00	24.87	50
I preparation of Lawn				
ssing) for a period of one year including watering etc complete including cost of materials, scaffolding HOM of machineries with all lead and lifts, labour charges		382.19	117.83	45,033
wing, technical specifications and directions of Engineer-in-charge.		3.00	163.07	489
in Right 3V in in On Lin som	52,SI.No.19.90) tenance for 1st Year: RB M300-Horticulture KSRRB M300-Spreading of sludge farm yard manure or/ good earth KSRRB M300-1. Spreading of sludge farm yard manure or/ and earth in required thickness (cost of sludge, farm yard manure or/and good to be paid for separately) complete as per specifications. MORTH Specification 07 /D SR 16-17,Page No.150,SI No.19.77) tenance for 1st Year: g earth and sludge or manure in the required proportion specified or directed by ifficer-in-charge SOR item) Dreparation of Lawn tenance for 2nd Year: Maintenance of lawns or Turfing of slopes (rough ing) for a period of one year including watering etc complete including cost of aterials, scaffolding HOM of machineries with all lead and lifts, labour charges ling implementation of Environmental and Social Safeguards & as per design, ng, technical specifications and directions of Engineer-in-charge.	52,SI.No.19.90) tenance for 1st Year: RB M300-Horticulture KSRRB M300-Spreading of sludge farm yard manure or/ good earth KSRRB M300-1. Spreading of sludge farm yard manure or/ and earth in required thickness (cost of sludge, farm yard manure or/and good to be paid for separately) complete as per specifications. MORTH Specification 07 Cum // D SR 16-17,Page No.150,SI No.19.77) tenance for 1st Year: cum g earth and sludge or manure in the required proportion specified or directed by fficer-in-charge SOR item) Cum oreparation of Lawn tenance for 2nd Year: Maintenance of lawns or Turfing of slopes (rough aterials, scaffolding HOM of machineries with all lead and lifts, labour charges ding implementation of Environmental and Social Safeguards & as per design, ng, technical specifications and directions of Engineer-in-charge. Sqm tenance for 1st Year: tenance for 1st Year: Sqm	52,SI.No.19.90) tenance for 1st Year: RB M300-Horticulture KSRRB M300-Spreading of sludge farm yard manure or/ good earth KSRRB M300-1. Spreading of sludge farm yard manure or/ and earth in required thickness (cost of sludge, farm yard manure or/and good to be paid for separately) complete as per specifications. MORTH Specification O7 Cum 2.00 2.00 2.00 2.00 2.00 07 D SR 16-17,Page No.150,SI No.19.77) Cum 2.00 tenance for 1st Year: g earth and sludge or manure in the required proportion specified or directed by fficer-in-charge SOR item) Cum 2.00 oreparation of Lawn tenance for 2nd Year: Maintenance of lawns or Turfing of slopes (rough ing) for a period of one year including watering etc complete including cost of aterials, scaffolding HOM of machineries with all lead and lifts, labour charges ding implementation of Environmental and Social Safeguards & as per design, ng, technical specifications and directions of Engineer-in-charge. Sqm 382.19 c 382.19 382.19 382.19	52,SI.No.19.90) tenance for 1st Year: RB M300-Horticulture KSRRB M300-Spreading of sludge farm yard manure or/ good earth KSRRB M300-1. Spreading of sludge farm yard manure or/ and earth in required thickness (cost of sludge, farm yard manure or/ and good to be paid for separately) complete as per specifications. MORTH Specification 07 Cum 2.00 117.83 VD SR 16-17,Page No.150,SI No.19.77) tenance for 1st Year: Cum 2.00 24.87 ge arth and sludge or manure in the required proportion specified or directed by fficer-in-charge SOR item) Cum 2.00 24.87 oreparation of Lawn tenance for 2nd Year: Maintenance of lawns or Turfing of slopes (rough ing) for a period of one year including watering etc complete including cost of aterials, scaffolding HOM of machineries with all lead and lifts, labour charges ling implementation of Environmental and Social Safeguards & as per design, ng, technical specifications and directions of Engineer-in-charge. Sqm 382.19 117.83

Sr. No.	Specification	Unit	Total Qty.	Rate	Amount
	Maintenance for 1st Year: Watering with tanker to landscape area and plants for one year	Year	1.00	31085.11	31,085
70.00	Maintenance for 1st Year: supply and fixing of irrigation lines such that all the green areas and plants are adequately watered; by means of drip irrigation for trees , sub surface for shrubs and lawn areas / ground covers and pop up sprinklers for lawn areas. (Equipment make - Rainbird or equivalent) All material used should be comply to BSI code. All the necessary value and pump required for complete commissioning to be installed. (Non SOR Item)	Sqm	3.00	582.40	1,747
				Total	32,57,030

Assistant Executive Engineer MSCL Mangaluru

Executive Engineer MSCL Mangaluru

Name of the Work :- Mangalore Smart City 5.2 M.S. For Maintenance of Road and Other Work forDPR 7 -1st Year

Sr.No.	Specification	Unit	No.	L	В	D	Qty.
	Civil Works						
1.00	Maintenance for 1st Year: Taking out existing CC interlocking paver blocks from footpath/ central verge, including removal of rubbish etc., disposal of unserviceable material to the dumping ground, for which payment shall be made separately and stacking of serviceable material within 50 metre lead as per direction of Engineer-in-Charge.(RA attached)		1	10	2		20.00
2.00	Maintenance for 1st Year: KSRRB M200.Dismantling of cement concrete pavement by mechanical means using pueumatic tools,breaking to pieces not exceeding 0.02 cum in volume and stock pilling at designated locations and disposal of dismantled material stacking serviceble and unserviceable materials separately complete as per specifications.MORTH specification No.202.(Including transporting charges,loading and unloading for lead 5km-Extra) (Page No 138,SI No : 18.47)	Cum	1	1	1	0.27	0.27
3.00	Maintenance for 1st Year: KSRRB M200-Dismantaling of kerb Stone and Channel KSRRB M200-26. Dismantling Kerb stone by Manual means and disposal of dismantled materials with all lifts and complete as per specifications.MORTH Specification No.202. (Page No.139,S.I.No.18.49)	Rmt	1	20			20.00
4.00	Maintenance for 1st Year: KSRRB M200-13.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. II. By Mechanical Means. A. Cement Concrete Grade M-15 &M-20. MORTH Specification No. 202 (KPWD SOR 16-17,18.20,Page No.137)		1	40	1	0.5	20.00
5.00	Maintenance for 1st Year: KSRRB M200-12.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonary, cement concrete, woodwork, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. i)Dismantaling Brick/Tile work B.In Cement mortar (Page No 137,SI No : 18.23)	Cum	1	1	0.2	0.1	0.02
6.00	Maintenance for 1st Year: KSRRB M300-14. Excavation for roadwork in all types of soil with hydraulic excavator of 0.9 bucket capacity including cutting and loading in tippers,trimming bottom and side slopes,in accordance with requirements of lines and grades and cross sections,and transporting disposal location up to a lead of 1.00Km and complete as per specifications. MORTH specification No.301(Including transporting charges, loading and unloading for lead 5km) (Page No 143,SI No : 19.14)	Cum	1.00	100	7	0.5	350.00
7.00	Maintenance for 1st Year: 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.(KPWD 16-17,SI No.2.11,Pg. No.6)		1.00	60	5	0.5	150.00
8.00	Maintenance for 1st Year: KSRRB 300-Compaction KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3.(KPWD 16-17,SI No.19.64,Pg. No.149)	Sqm	1.00	15		5	75.00

Sr.No.	Specification	Unit	No.	L	В	D	Qty.
9.00	Maintenance for 1st Year: KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix M15 Grade with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No. 4.6 of PWD SR 2015-16)	Cum	1.00	10	6	0.1	6.00
10.00	Maintenance for 1st Year: KSRRB M400-6.1. Construction of granular sub-base by providing close graded crushed stone aggregates of granite / trap / basalt material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with Plate compactor to achieve the desired density, complete as per specifications. A. Plant Mix Method Close graded granular sub-base material as per 400-1 For Grading- II Material	Cum	1.00	30	2.5	0.15	11.25
11.00	Maintenance for 1st Year: KSRB 4.2.1 : Providing and laying in position reiforcement cement concrete of design Mix M25 with OPC cement @340Kgs,with 20mm and down size graded granite metal coarse aggregate @ 0.47 cum with super plasticisers @3 liters confirming to IS 9103-1999 reafirmed -2008 at machine mixed,concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls,return walls,walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks,anchor blocks & plinths etc.,Including cost of labour,HOM of machinery,curing,complete but excluding cost of reinforcement as per specifications. (Page No 13,SI No : 4.10)		1.00	130	0.2	1.2	31.20
12.00	Maintenance for 1st Year: KSRB 4.6.1 Providing and removing centering, shuttering, strutting, propping etc.,and removal of formwork for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No. KSB 4.6.2 (Page No 15, SI No : 4.28)		2.00	140		0.9	252.00
13.00	Maintenance for 1st Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work including straighting,cutting,bending,hooking,placing in position,lapping and/or welding wherever required,tying with binding wire and anchoring to thr adjoing members wherever necessary complete as per design (laps,hooks and wastage shall not be measured and paid) cost of materials,labour,HOM of machinary complete as per specifications.Specification No. KBS4.6.3. do with TMT bars Fe500	MT	1.00	2.50			2.50
14.00	Maintenance for 1st Year: KSRRB M300-Construction of Subgrade. KSRRB M300-55. Construction of sub-grade with approved material Gravel/Murrum with all lifts & leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of Table No. 300-2 complete as per specifications (including cost of earth, watering charges & compaction by vibratory rollercompaction by vibratory roller to 97% of proctors density) MORTH Specification No. 305	Cum	4.00	3.5	3.5	0.5	24.50
15.00	Maintenance for 1st Year: KSRRB M600-1.Construction of dry lean cement concrete mix M15 with 1:5:10 OPC cement @160Kgs,with 25mm and down size graded granite/trap/basalt metal coarse aggregate at 0.86cum and fine aggregate @ 0.58cum Sub-base over prepared sub grade with (coarse and fine aggregate confirming to IS:383) aggregate cement ration not to excee 15:1. Aggregate gradation after blending to be as per Table 600-1, cement content to be determined during trail length construction, concrete strength not to be less than 10Mpa at 7 days,mixed in a batching plant,transported to site,laid with a paver with electronic sensor,compacting with 8-10 tonnes double drum vibratory roller,finishing and curing complete as per specifications.Morth specification No.601 (Page No 176,SI No : 22.1)	Cum	4.00	7	3.5	0.1	9.80

Sr.No.	Specification	Unit	No.	L	В	D	Qty.
16.00	Maintenance for 1st Year: KSRRB M600-1.Construction of dry lean cement concrete mix M15 with 1:5:10 OPC cement @160Kgs,with 25mm and down size graded granite/trap/basalt metal coarse aggregate at 0.86cum and fine aggregate @ 0.58cum Sub-base over prepared sub grade with (coarse and fine aggregate confirming to IS:383) aggregate cement ration not to excee 15:1. Aggregate gradation after blending to be as per Table 600-1, cement content to be determined during trail length construction, concrete strength not to be less than 10Mpa at 7 days,mixed in a batching plant,transported to site, Manually laid and compacting with palte compactor ,finishing and curing complete as per specifications.Morth specification No.601 (RA attached)	Cum	1.00	8	2	0.1	1.60
17.00	Maintenance for 1st Year: KSSRRB M600-2.Construction of unreinforced,dowel jointed,plain cement concrete pavement over a prepared sub base with 25mm and down size graded granite metal coarse aggregate with superplastisizer at 3 lts confirming to IS9103-1999 reaffirmed 2008(Coarse and fine aggregate conforming to IS:383) mixed in a batching and mixing plant as per approved mix design,transported to site,laid with a fixed form paver spread,compacted and finished in a continuos operation including provision of contraction, expansio, construction and longitudinal joints,including groove cutting chrges, joints filler,separation memberane, sealent primer, joints sealant, debonding strip, dowel bars at 4.5m intervals, tie rod, admixtures as approved, curing compound,finishing to lines and grades as per drawing complete as per sprcifications MORTH specification No.602.do with M40 (420Kg per cum Cement,C.A,0.67 cum F.A.044Cum (Page No 176,SI No : 22.2.2)	Cum	4.00	3.5	3.5	0.23	11.27
18.00	Maintenance for 1st Year: Providing and placing joint sealant compound of cold polysulphide in the grooves after widening the groove to required width, sand blasting the groove face if recommended by the sealant manufacturer, cleaning the groove with air compressor, insertion of debonding strip, priming the sides of the sealant if the sealant manufacturer recommends and pouring the sealant all complete including material, manpower (Non SOR Item)	Rmt	1.00	5			5.00
19.00	Maintenance for 1st Year: KSRRB 3000 Repair of Joint Grooves with Epoxy Mortar KSRRB M3000-8 Repairs of spalled joints grooves of contraction joints longitudinal joints and expansion joints in concrete pavement using epoxy mortar concrete complete as per specifications.Morth specification No.3005.1 (Page No 257,SI No : 35.8)		1.00	100			100.00
20.00	Maintenance for 1st Year: Providing and laying at or near ground level factory made kerb stone of M-20 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge). (RA Attached)	Cum	0.5	1	0.103		0.05
21.00	Maintenance for 1st Year: Providin and fixing pre cast solid concrete Kerb stones as per the drawing,made out of CC 1:2:4 and Jointed with CM 1:3 and finishing cutting, including cost of all materials,labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc.,complete (Page No 25,SI No : 5.3)	Cum	1	90	0.0279		2.51
22.00	Maintenance for 1st Year: Providin and fixing pre cast solid concrete water table(longitudinal gutter) as per the drawing,made out of CC 1:2:4 and jointed with CM 1:3 and finishing cutting, including cost of all materials,labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc.,complete (Page No 25,SI No : 5.3)	0	1	25	0.0118		0.30
23.00	Maintenance for 1st Year: Removing and resetting of kerb stones. including cost of all materials, scaffolding HOM of machineries with all lead and lifts, labour charges including implementation of Environmental and Social Safeguards & as per design, drawing, technical specifications and directions of Engineer-in-charge.		100				100.00

Sr.No.	Specification	Unit	No.	L	В	D	Qty.
24.00	Maintenance for 1st Year: KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 (Page No 182,SI No : 24.1)	Sqm	1	70	0.165		11.55
25.00	Maintenance for 1st Year: P/F FRP Recess Cover (2.5T) 900mmx600 mm with frame on Manhole for electrical ducting.	Nos.	2.00				2.00
26.00	Maintenance for 1st Year: P/F FRP Recess Cover (2.5T) 600mmx450 mm with frame at raised footpath on SWD. ((Rate analysis attached)	Nos.	4.00				4.00
27.00	Maintenance for 1st Year: P/F FRP Water gully cover with frame (25T) 600mmx500 mm at level footpath. (Rate analysis attached)	Nos.	1.00				1.00
28.00	Maintenance for 1st Year: Providing gully pipe lowering, laying of PVC 100 mm dia pipes to the required alignments including specials and grade as indicated in drawings/design and hydraulically testing of the pipe line. The rate shall include all jointing materials, testing apparatus and water for testi g etc as directed by the Engineer in charge (page No.41, Item No.7, KUWSDB SOR 2016-17)	Rmt	1.00	3.00			3.00
29.00	Maintenance for 1st Year: KSRB 11-18-17.1 : 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. (PWD SR 2015-16,P.No.86, SI.No.12.89)	Nos.	1.00	3			3.00
30.00	Maintenance for 1st Year: KSRRB M800-29.3.Cable Duct Across the road KSRRB M800-29.1. Providing and laying of a reinforced cement concrete pipe duct, 300 mm dia, across the road (new construction), extending from drain to drain in cuts and toe of slope to toe of slope in fills, constructing head walls at both ends, providing a minimum fill of granular material over top and sides of RCC pipe as per IRC:98-1997, bedded on a 0.3 m thick layer of granular material free of rock pieces, outer to outer distance of pipe at least half dia of pipe subject to minimum450 mm in case of double and triple row ducts, joints to be made leak proof, invert level of duct to be above higher than ground level to prevent entry of water and dirt, all as per IRC: 98 - 1997 and approved drawings complete as per specifications. Case-III :Triple row for three utility services. (PWD SR 2015-16,SI.No.24.36)	Dest	1	4.00			4.00
31.00	Maintenance for 1st Year: Providing and laying Dia 225mm HDPE Electrical pipe Conduits with Silicore Lubricant inner layer with ribs, dimensional ratio of 13.5,Deflection not greater than 5% when exposed to the normal operating temparature 90°C under the over burden soil presuure and other physical properties comforming to ASTMF 2160 and /or NEMA TC7.The expected service life of HDPE pipe conduits and accessories shall not be less than 50 years. (Market Rate)	Rmt	1	150			150.00
32.00	Maintenance for 1st Year: Providing and laying Dia 160mm HDPE Electrical pipe Conduits with Silicore Lubricant inner layer with ribs, dimensional ratio of 13.5,Deflection not greater than 5% when exposed to the normal operating temparature 90°C under the over burden soil presuure and other physical properties comforming to ASTMF 2160 and /or NEMA TC7.The expected service life of HDPE pipe conduits and accessories shall not be less than 50 years.(Market Rate)		1	60			60.00
33.00	Maintenance for 1st Year: Providing and Fixixng Spacers for Power Ducts of size 200 mm, to be placed at an interval of 1.5 meter. Spacers shall be made of ABS raw material. (Market rate)	Nos.	20				20.00
34.00	Maintenance for 1st Year: Providing and Fixixng Spacers for Power Ducts of size 160 mm, to be placed at an interval of 1.5 meter. Spacers shall be made of ABS raw material. (Market rate)	Nos.	20				20.00

Sr.No.	Specification	Unit	No.	L	В	D	Qty.
35.00	Maintenance for 1st Year: Supplying 7-way 40mm HDPE pipe Multi-way Duct Silicore Lubricant inner layer for ICT fibre cables comforming to ASTMF 2160 and /or equivalent indian standard and conveying to work site including loading and unloading at both destination and rolling,lowering into trenches,laying true to line and jointing of pipe etc.Complete. (Market Rate)		1	40			40.00
36.00	Maintenance for 1st Year: Supplying and Application charges required for stamping the freshly laid new concrete (Concrete rate is not included in this item) including finishing and colouring the top surface accurately to the required level,shape and size using approved colour shade and staping it using approved stamp pattern and antiquitting it on top with approved colour.Sealing entire area with concrete sealer.	Sqm	1	40	2		80.00
37.00	Maintenance for 1st Year: Providing and laying heavy duty cobble stones 75mm thick, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 30mm 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. (Page No 101,SI No : 14.7)		1.00	20	1.5		30.00
38.00	Maintenance for 1st Year: KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications MORTH Specification No. 507 -using 100/120 TPH capacity H.M.P. with sensor paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen(KPWD 16-17,S.I.No.21.17.1,Page No.163)	Cum	1.00	2.5	3	0.15	1.13
39.00	Maintenance for 1st Year: KSRRB M500-19. Providing and laying bituminous concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications. MORTH Specification No. 509 - using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 45 mm) with 6 % VG-40 Bitumen	0	1.00	2.5	3	0.04	0.30
40.00	Maintenance for 1st Year: KSRRB M800 Road markers / Road stud KSRRB M800-35. Providing and fixing of road stud 100x 100 mm, diecast in aluminium, resistant to corrosive effect of salt and grit, fitted with lense reflectors, installed in concrete or asphaltic surface by drilling hole 30 mm upto a depth of 60 mm and bedded in a suitable bituminous grout or epoxy mortar, all as per BS: 873 part 4:1973 complete as per specifications		5.00				5.00
41.00	Maintenance for 1st Year: Supply & Installation of Solar Raised Pavement Markers made of polycarbonate molded body with circular shape, solar powered, LED self illumination in active mode, 360 degree illumination and reflective panels with micro prismatic lens in passive mode. The marker shall support a load of20000 kg tested in accordance to IRC 37 and shall be resistantto dust and water ingress according to IP 65 (Ingress Protection 65 is a test which is conducted to check if solar road stud is protected from total dust Ingress and low pressure water jets from any direction) standards and should withstand temperatures in the range of 0 C to 70 C. Color of lighting could be provided in red or yellow (amber) as per requirement and typical frequency of blinking is 1 Hz. There should be current losses of less than 20 micro-amperes at 2.4 V in sleep-charging mode to enhance the life of the marker and a full charge should provide for a minimum autonomy of 50 hours. The height, width and length of the marker shall not be less than 10 mm x 100 mm respectively. The weight of the marker shall not exceed 0.5 Kilograms. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation and complete as directed by the engineer.	Nos.	2.00				2.00

Sr.No.	Specification	Unit	No.	L	В	D	Qty.
42.00	Maintenance for 1st Year: Road Marking with hot applied Thermoplastic Compound with Reflectrising Glass Beads on Concrete Surface:Providing and laying of hot applied thermoplastic compound 2.5mm thick including reflectorising glass beads at 250 gms and 2 ltr of primer per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35.The finished surface to be level, uniform and free from streak and holes complete as per specifications.MORTH specification No.803 (Page No 192,SI No : 24.57)	Sqm	1.00	200	0.15		30.00
43.00	Maintenance for 1st Year: Operation and Maintenance for eToilets Stainless Steel Public Model as specified in Road and Other works BOQ Item No.45.	Nos	4.00				4.00
44.00	Maintenance for 1st Year: Providing and fixing of S.S. Bollards (SS304) on footpath as specified and directed by Engineer -in-charge (NON SOR Item)	Nos.	2.00				2.00
45.00	Maintenance for 1st Year: Providing and fixing of railing as detail design in MS HOLLOW SECTION and bars (shop drawing to be approved),with vertical support of 0.9m @2.2mc/c , all complete to the satisfaction of the Landscape architect.(Non SOR Item)	MT	1.00	0.3			0.30
46.00	Maintenance for 1st Year: Excavation and removal of silt and silt mixed with sand in slussy condition from canal bed including disposing off the same in spoil bank or on the canal embankment in layers as directed etc., complete with lead upto 50 m and all lifts. For Desilting of drains and grit chambers including cost of all materials, scaffolding HOM of machineries with all lead and lifts, labour charges including implementation of Environmental and Social Safeguards & as per design, drawing, technical specifications and directions of Engineer-in-charge.	Cum	2.00	10373	0.7	0.1	1452.22
47.00	Maintenance for 1st Year: Extra Lead for Disposing off unserviceable materials upto 10 Km beyond initial Lead Item No 17.4 KSRRB M100-4.1-Earth	Cum	1.00	200			200.00
48.00	Maintenance for 1st Year: Extra Lead for Disposing off unserviceable materials upto 10 Km beyond initial Lead Item No 17.4 KSRRB M100-4.1-Debris	Cum	1.00	70			70.00
49.00	Electrical Works Maintenance for 1st Year: Dismantling of pole/ street light standard/ strut embedded in cement concrete foundation etc. as required (Delhi analysis of rates E & M 2016, item 12.42, pg 395))	Nos.	1				1.00
50.00	Maintenance for 1st Year: 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)	Nos.	1				1.00
51.00	Maintenance for 1st Year: 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)	Nos.	1				1.00

Sr.No.	Specification	Unit	No.	L	В	D	Qty.
52.00	Maintenance for 1st Year: 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.	1				1.00
53.00	Maintenance for 1st Year: 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.	1				1.00
54.00	Maintenance for 1st Year: Painting of Existing street light pole after scrapping the old paint and painted with suitable colour enamel including coping/footing of the pole8mtr and above street light pole (Ref Electrical SOR SI No.16.28.3)	Nos.	241.00				241.00
55.00	Maintenance for 1st Year: Supply, installation, testing and commissioning of outdoor junction box for mounting MCB/Contactors with all required accessories and componenets	Nos.	70.00				70.00
56.00	Maintenance for 1st Year: 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.	1.00				1.00
	LT Cable						
57.00	Maintenance for 1st Year: 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	1	60.00			60.00
58.00	Maintenance for 1st Year: 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	1	10.00			10.00
59.00 f	Maintenance for 1st Year: 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				10.00
60.00 f	Maintenance for 1st Year: 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				8.00
	Earthing system						
61.00	Maintenance for 1st Year: 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	1				1.00
:	Maintenance for 1st Year: Supply and running GI conductor for grounding and (along with other wires in conduits system of wiring) using necessasary suitable size clamps, nails,	Rmt	1	50			50.00
02.00	guttas/spacers etc-8 SWG (Ref Electrical SOR SI No.7.22.3)						

Sr.No.	Specification	Unit	No.	L	В	D	Qty.
63.00	Maintenance for 1st Year: Supplying and stacking of good earth at site including royalty and carriage upto 5 k.m. lead complete (earth measured in stacks will be reduced by 20% for payment). (Non SOR Item)	Cum	1	20	0.5	0.15	1.50
64.00	Maintenance for 1st Year: KSRRB M300-Supply at site of work well decayed farm yard manure KSRRB M300-11. Supply at site of work well decayed farm yard manure, from any available source, approved by the engineer in charge including screening and stackin complete as per specifications. MORTH Specification No. 308.2(Page No.152,SI.No.19.90)	Cum	1	15	0.5	0.1	0.75
65.00	Maintenance for 1st Year: KSRRB M300-Horticulture KSRRB M300-Spreading of sludge farm yard manure or/ and good earth KSRRB M300-1. Spreading of sludge farm yard manure or/ and good earth in required thickness (cost of sludge, farm yard manure or/and good earth to be paid for separately) complete as per specifications. MORTH Specification No. 307 (KPWD SR 18-19,Page No.150,SI No.19.77)		1	40	0.5	0.1	2.00
66.00	Maintenance for 1st Year: Mixing earth and sludge or manure in the required proportion specified or directed by the Officer-in-charge (Non SOR item)	Cum	1	40	0.5	0.1	2.00
	Soil preparation of Lawn						
67.00	Maintenance for 2nd Year: Maintenance of lawns or Turfing of slopes (rough grassing) for a period of one year including watering etc complete including cost of all materials, scaffolding HOM of machineries with all lead and lifts, labour charges including implementation of Environmental and Social Safeguards & as per design, drawing, technical specifications and directions of Engineer-in-charge.	Sqm	1.00	382.19			382.19
68.00	TURF Maintenance for 1st Year: ZOYSIA JAPONICA (MAT) (Non SOR Item)	Sqm	1	5	0.6		3.00
	IRRIGATION						
69.00	Maintenance for 1st Year: Watering with tanker to landscape area and plants for one year						
70.00	Maintenance for 1st Year: supply and fixing of irrigation lines such that all the green areas and plants are adequately watered; by means of drip irrigation for trees, sub surface for shrubs and lawn areas / ground covers and pop up sprinklers for lawn areas. (Equipment make - Rainbird or equivalent) All material used should be comply to BSI code. All the necessary value and pump required for complete commissioning to be installed. (Non SOR Item)	Sqm	1	5	0.6		3.00

Assistant Executive Engineer MSCL Mangaluru

Executive Engineer MSCL Mangaluru

	Taking out existing CC interlocking paver blocks from footp	oath/ central ve	erge, including rer	moval of rubbi
1	etc., disposal of unserviceable material to the dumping grou			
-	and stacking of serviceable material within 50 metre lead			
	attached)	•	0	U V
	Basic rate		68.16	
	Maintenance -1st year escalation of 4%		2.73	
	Add 10% For area weightage (Mangalore City)		7.09	
		Rate	77.98	
				• •
2	Maintenance for 1st Year: KSRRB M200.Dismantling of cement concrete paveme tools,breaking to pieces not exceeding 0.02 cum in volume disposal of dismantled material stacking serviceble and uns specifications.MORTH specification No.202.(Including trans 5km-Extra) (Page No 138,SI No : 18.47)	e and stock p erviceable mat	illing at designate terials separately	ed locations a complete as p
	Basic rate		899	
	Maintenance -1st year escalation of 4%		35.96	
	Add 10% For area weightage (Mangalore City)		<u> </u>	
		Rate	<u> </u>	
		Rale	1020.40	Cum
3	means and disposal of dismantled materials with all lifts and of Specification No.202. (Page No.139,S.I.No.18.49)			
3	Specification No.202. (Page No.139,S.I.No.18.49) Basic rate		12.00	
3	Specification No.202. (Page No.139,S.I.No.18.49) Basic rate Maintenance -1st year escalation of 4%		 	
3	Specification No.202. (Page No.139,S.I.No.18.49) Basic rate		12.00 0.48 1.25	
3	Specification No.202. (Page No.139,S.I.No.18.49) Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City)	Rate	 	
4	Specification No.202. (Page No.139,S.I.No.18.49) Basic rate Maintenance -1st year escalation of 4%	Rate Rate Iverts, bridges, I work, includir erviceable mat echanical Mea	12.00 0.48 1.25 13.73 retaining walls an ng T&P and scaf erial and stacking ns. A. Cement Co	Rmt d other structu folding wherev the serviceat
	Specification No.202. (Page No.139,S.I.No.18.49) Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRRB M200-13.1. Dismantling of existing structures like cul comprising of masonry, cement concrete, wood work, stee necessary, sorting the dismantled material, disposal of unse material with all lifts complete as per specifications. II. By Maintenance	Rate Rate Iverts, bridges, I work, includir erviceable mat echanical Mea	12.00 0.48 1.25 13.73 retaining walls an ng T&P and scaf erial and stacking ns. A. Cement Co	Rmt d other structu folding wherev the serviceat ncrete Grade
	Specification No.202. (Page No.139,S.I.No.18.49) Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRRB M200-13.1. Dismantling of existing structures like cull comprising of masonry, cement concrete, wood work, stee necessary, sorting the dismantled material, disposal of unsematerial with all lifts complete as per specifications. II. By Me 15 &M-20. MORTH Specification No. 202 (KPWD SOR 18-19)	Rate Rate Iverts, bridges, I work, includir erviceable mat echanical Mea	12.00 0.48 1.25 13.73 retaining walls an ng T&P and scaf erial and stacking ns. A. Cement Co lo.137)	Rmt d other structu folding wherev the serviceat ncrete Grade
	Specification No.202. (Page No.139,S.I.No.18.49) Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRRB M200-13.1. Dismantling of existing structures like cull comprising of masonry, cement concrete, wood work, stee necessary, sorting the dismantled material, disposal of unsematerial with all lifts complete as per specifications. II. By Maintenance II	Rate Rate Iverts, bridges, I work, includir erviceable mat echanical Mea	12.00 0.48 1.25 13.73 retaining walls an ng T&P and scaf erial and stacking ns. A. Cement Co lo.137) 390	Rmt d other structu folding wherev the serviceal ncrete Grade
	Specification No.202. (Page No.139,S.I.No.18.49) Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRRB M200-13.1. Dismantling of existing structures like cull comprising of masonry, cement concrete, wood work, stee necessary, sorting the dismantled material, disposal of unser material with all lifts complete as per specifications. II. By Me 15 &M-20. MORTH Specification No. 202 (KPWD SOR 18-19) Basic rate Maintenance -1st year escalation of 4%	Rate Rate Iverts, bridges, I work, includir erviceable mat echanical Mea	12.00 0.48 1.25 13.73 retaining walls an ng T&P and scaf erial and stacking ns. A. Cement Co lo.137) <u>390</u> 15.6	Rmt d other structu folding wherev the serviceal ncrete Grade
	Specification No.202. (Page No.139,S.I.No.18.49) Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRRB M200-13.1. Dismantling of existing structures like cull comprising of masonry, cement concrete, wood work, stee necessary, sorting the dismantled material, disposal of unser material with all lifts complete as per specifications. II. By Me 15 &M-20. MORTH Specification No. 202 (KPWD SOR 18-19) Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City)	Rate Rate Iverts, bridges, I work, includir erviceable mat echanical Mear 9,18.20,Page N	12.00 0.48 1.25 13.73 retaining walls an ng T&P and scaf erial and stacking ns. A. Cement Co lo.137) <u>390</u> 15.6 40.56	Rmt d other structu folding wherev the serviceat ncrete Grade
	Specification No.202. (Page No.139,S.I.No.18.49) Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRRB M200-13.1. Dismantling of existing structures like cull comprising of masonry, cement concrete, wood work, stee necessary, sorting the dismantled material, disposal of unser material with all lifts complete as per specifications. II. By Me 15 &M-20. MORTH Specification No. 202 (KPWD SOR 18-19) Basic rate Maintenance -1st year escalation of 4%	Rate Rate Iverts, bridges, I work, includir erviceable mat echanical Mear 9,18.20,Page N Rate Iverts, bridges, I work, includir	12.00 0.48 1.25 13.73 retaining walls an ng T&P and scaf erial and stacking ns. A. Cement Co lo.137) 390 15.6 40.56 446.16 retaining walls an ng T&P and scaf erial and stacking	Rmt d other structu folding wherev the serviceat ncrete Grade Cum d other structu folding wherev
4	Specification No.202. (Page No.139,S.I.No.18.49) Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRRB M200-13.1. Dismantling of existing structures like cul comprising of masonry, cement concrete, wood work, stee necessary, sorting the dismantled material, disposal of unser material with all lifts complete as per specifications. II. By Ma 15 &M-20. MORTH Specification No. 202 (KPWD SOR 18-19) Basic rate Maintenance for 1st Year: KSRRB M200-12.1. Dismantling of existing structures like cul comprising of masonary, cement concrete, woodwork, stee necessary, sorting the dismantled material, disposal of unser material with all lifts complete as per specifications. Maintenance for 1st Year: KSRRB M200-12.1. Dismantling of existing structures like cul comprising of masonary, cement concrete, woodwork, stee necessary, sorting the dismantled material, disposal of unser material with all lifts complete as per specifications. i)Dismantaling Brick/Tile work B.In Cement mortar (Page No 137, SI No : 18.23) Basic rate	Rate Rate Iverts, bridges, I work, includir erviceable mat echanical Mear 9,18.20,Page N Rate Iverts, bridges, I work, includir	12.00 0.48 1.25 13.73 retaining walls an ng T&P and scafterial and stacking ns. A. Cement Co lo.137) 390 15.6 40.56 446.16 retaining walls an ng T&P and scaft	Rmt d other structu folding wherev the serviceal ncrete Grade Cum d other structu folding wherev the serviceal
4	Specification No.202. (Page No.139,S.I.No.18.49) Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRRB M200-13.1. Dismantling of existing structures like cul comprising of masonry, cement concrete, wood work, stee necessary, sorting the dismantled material, disposal of unser material with all lifts complete as per specifications. II. By Ma 15 &M-20. MORTH Specification No. 202 (KPWD SOR 18-19) Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance or 1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRRB M200-12.1. Dismantling of existing structures like cul comprising of masonary, cement concrete, woodwork, stee necessary, sorting the dismantled material, disposal of unser material with all lifts complete as per specifications. i)Dismantaling Brick/Tile work B.In Cement mortar (Page No 137,SI No : 18.23)	Rate Rate Iverts, bridges, I work, includir erviceable mat echanical Mear 9,18.20,Page N Rate Iverts, bridges, I work, includir	12.00 0.48 1.25 13.73 retaining walls an ng T&P and scaf erial and stacking ns. A. Cement Co lo.137) <u>390</u> 15.6 40.56 446.16 retaining walls an ng T&P and scaf erial and stacking 351	Rmt d other structu folding wherev the serviceat ncrete Grade Cum d other structu folding wherev the serviceat

	KSRRB M300-14. Excavation for roadwork in all types of so including cutting and loading in tippers, trimming bottom and							
6	lines and grades and cross sections, and transporting dispos							
0	as per specifications.							
	MORTH specification No.301(Including transporting charges,	loading and unloa	ding for lead 5	ikm)				
	(Page No 143, SI No : 19.14)	9 • • • •	5	/				
	Basic rate		41					
			10.24					
	Maintenance -1st year escalation of 4%		2.05					
	Add 10% For area weightage (Mangalore City)		4.31					
		Rate	57.60	Cum				
	Neintenense for det Veer							
	Maintenance for 1st Year:	- hlee in levens of						
7	KSRB 2-4 : Refilling available earth around pipe lines, ca							
•	compacting each deposited layer by ramming after watering			1.5 m. includ				
	cost of all labour complete as per specifications.(KPWD 18-1	9,51 NO.2.11,Pg. N						
	Basic rate		120					
	Maintenance -1st year escalation of 4%		4.8					
	Add 10% For area weightage (Mangalore City)		12.48					
		Rate	137.28	Cum				
	Maintenance for 1st Year:			() (
	KSRRB 300-Compaction KSRRB 300-58. Compaction of orig							
8	10 tonnes power roller including tilling in depression occuring							
Ø	10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3.(KPWD 18-19,SI No.19.64,Pg. No.149)							
8								
8								
8				Pg. No.149)				
8	of machinery complete as per specifications. MORTH / Chap		9,SI No.19.64,	Pg. No.149)				
8	of machinery complete as per specifications. MORTH / Chap Basic rate		9,SI No.19.64, 6	Pg. No.149)				
8	of machinery complete as per specifications. MORTH / Chap Basic rate Maintenance -1st year escalation of 4%		9,SI No.19.64, 6 0.24 0.62	Pg. No.149)				
8	of machinery complete as per specifications. MORTH / Chap Basic rate Maintenance -1st year escalation of 4%	ter 3.(KPWD 18-19	9,SI No.19.64, 6 0.24 0.62	Pg. No.149)				
8	of machinery complete as per specifications. MORTH / Chap Basic rate Maintenance -1st year escalation of 4%	ter 3.(KPWD 18-19	9,SI No.19.64, 6 0.24 0.62	Pg. No.149)				
8	of machinery complete as per specifications. MORTH / Chap Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City)	ter 3.(KPWD 18-19	9,SI No.19.64, 6 0.24 0.62 6.86	Pg. No.149) Sqm				
	of machinery complete as per specifications. MORTH / Chap Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year:	ter 3.(KPWD 18-19	9,SI No.19.64, 6 0.24 0.62 6.86 x M15 Grade	Pg. No.149) Sqm with cement				
9	of machinery complete as per specifications. MORTH / Chap Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRB 4-1.6 ; Providing and laying in position plain ceme	ter 3.(KPWD 18-19	9,SI No.19.64, 6 0.24 0.62 6.86 x M15 Grade 9 0.69 cum an	Pg. No.149) Sqm with cement d fine aggreg				
	of machinery complete as per specifications. MORTH / Chap Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRB 4-1.6 ; Providing and laying in position plain ceme 240kgs, with 20mm and down size graded granite metal coa	ter 3.(KPWD 18-19 Rate nt concrete of mizarse aggregates @ t exceeding 15 cr	9,SI No.19.64, 6 0.24 0.62 6.86 x M15 Grade 2 0.69 cum an ms. thick, wel	Pg. No.149) Sqm with cement d fine aggreg I compacted,				
	of machinery complete as per specifications. MORTH / Chap Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRB 4-1.6 ; Providing and laying in position plain ceme 240kgs, with 20mm and down size graded granite metal coa @ 0.459cum, machine mixed, concrete laid in layers not	ter 3.(KPWD 18-19 Rate nt concrete of minarse aggregates @ t exceeding 15 cr pour, HOM of mac	9,SI No.19.64, 6 0.24 0.62 6.86 x M15 Grade 0.69 cum an ms. thick, wel hinery, curing	Pg. No.149) Sqm with cement d fine aggreg I compacted,				
	of machinery complete as per specifications. MORTH / Chap Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRB 4-1.6 ; Providing and laying in position plain ceme 240kgs, with 20mm and down size graded granite metal coa @ 0.459cum, machine mixed, concrete laid in layers not foundation, plinth and cills, ncluding cost of all materials, lab	ter 3.(KPWD 18-19 Rate nt concrete of minarse aggregates @ t exceeding 15 cr pour, HOM of mac	9,SI No.19.64, 6 0.24 0.62 6.86 x M15 Grade 0.69 cum an ms. thick, wel hinery, curing	Pg. No.149) Sqm with cement d fine aggregi l compacted, complete as p				
	of machinery complete as per specifications. MORTH / Chap Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRB 4-1.6 ; Providing and laying in position plain ceme 240kgs, with 20mm and down size graded granite metal coa @ 0.459cum, machine mixed, concrete laid in layers not foundation, plinth and cills, ncluding cost of all materials, lab specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No	ter 3.(KPWD 18-19 Rate nt concrete of minarse aggregates @ t exceeding 15 cr pour, HOM of mac	9,SI No.19.64, 6 0.24 0.62 6.86 x M15 Grade 2 0.69 cum an ms. thick, wel hinery, curing 2018-19)	Pg. No.149) Sqm with cement d fine aggreg I compacted, complete as p				
	of machinery complete as per specifications. MORTH / Chap Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRB 4-1.6 ; Providing and laying in position plain ceme 240kgs, with 20mm and down size graded granite metal coa @ 0.459cum, machine mixed, concrete laid in layers not foundation, plinth and cills, ncluding cost of all materials, lat specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No Basic Rate	ter 3.(KPWD 18-19 Rate nt concrete of minarse aggregates @ t exceeding 15 cr pour, HOM of mac	9,SI No.19.64, 6 0.24 0.62 6.86 x M15 Grade 0.69 cum an ms. thick, wel hinery, curing 018-19) 5900	Pg. No.149) Sqm with cement d fine aggreg I compacted, complete as p				
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	of machinery complete as per specifications. MORTH / Chap Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRB 4-1.6 ; Providing and laying in position plain ceme 240kgs, with 20mm and down size graded granite metal coa @ 0.459cum, machine mixed, concrete laid in layers not foundation, plinth and cills, ncluding cost of all materials, lab specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No Basic Rate Maintenance -1st year escalation of 4%	ter 3.(KPWD 18-19 Rate nt concrete of minarse aggregates @ t exceeding 15 cr bour, HOM of mac . 4.6 of PWD SR 2	9,SI No.19.64, 6 0.24 0.62 6.86 x M15 Grade 0.69 cum an ms. thick, wel hinery, curing 018-19) 5900 236 613.6	Pg. No.149) Sqm with cement d fine aggregt I compacted, complete as p				
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	of machinery complete as per specifications. MORTH / Chap Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRB 4-1.6 ; Providing and laying in position plain ceme 240kgs, with 20mm and down size graded granite metal coa @ 0.459cum, machine mixed, concrete laid in layers not foundation, plinth and cills, ncluding cost of all materials, lab specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No Basic Rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year:	ter 3. (KPWD 18-19 Rate Rate Rate Rate Rate Rate Rate Rate	9,SI No.19.64, 6 0.24 0.62 6.86 x M15 Grade 0.69 cum an ms. thick, well hinery, curing 018-19) 5900 236 613.6 6749.60	Pg. No.149) Sqm with cement d fine aggreg I compacted, complete as Cum				
9	of machinery complete as per specifications. MORTH / Chap Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRB 4-1.6 ; Providing and laying in position plain ceme 240kgs, with 20mm and down size graded granite metal coa @ 0.459cum, machine mixed, concrete laid in layers not foundation, plinth and cills, ncluding cost of all materials, lab specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No Basic Rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRRB M400-6.1. Construction of granular sub-base by pro-	ter 3. (KPWD 18-19 Rate Rate Rate Rate Rate Rate Rate Rate	9,SI No.19.64, 6 0.24 0.62 6.86 x M15 Grade 0.69 cum an ms. thick, wel hinery, curing 018-19) 5900 236 613.6 6749.60 d crushed stor	Pg. No.149) Sqm with cement d fine aggreg I compacted, complete as Cum				
9	of machinery complete as per specifications. MORTH / Chap Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRB 4-1.6 ; Providing and laying in position plain ceme 240kgs, with 20mm and down size graded granite metal coa @ 0.459cum, machine mixed, concrete laid in layers not foundation, plinth and cills, ncluding cost of all materials, lab specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No Basic Rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRRB M400-6.1. Construction of granular sub-base by pro- granite / trap / basalt material, mixing in a mechaical mix p	ter 3. (KPWD 18-19 Rate Rate Rate Rate Rate Rate Rate Rate	9,SI No.19.64, 6 0.24 0.62 6.86 x M15 Grade 0.69 cum an ms. thick, wel hinery, curing 018-19) 5900 236 613.6 6749.60 d crushed stor age of mixed	Pg. No.149) Sqm with cement d fine aggreg I compacted, complete as Cum ne aggregates material to w				
9	of machinery complete as per specifications. MORTH / Chap Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRB 4-1.6 ; Providing and laying in position plain ceme 240kgs, with 20mm and down size graded granite metal coa @ 0.459cum, machine mixed, concrete laid in layers not foundation, plinth and cills, ncluding cost of all materials, lat specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No Basic Rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRRB M400-6.1. Construction of granular sub-base by pro granite / trap / basalt material, mixing in a mechaical mix p site, spreading in uniform layers with motor grader on prepar	ter 3. (KPWD 18-19 Rate Rate Rate Rate Rate Rate Rate Rate	9,SI No.19.64, 6 0.24 0.62 6.86 x M15 Grade 0.69 cum an ms. thick, well hinery, curing 018-19) 5900 236 613.6 6749.60 d crushed stor age of mixed mpacting with	Pg. No.149) Sqm with cement d fine aggreg I compacted, complete as Cum ne aggregates material to w Plate compace				
9	of machinery complete as per specifications. MORTH / Chap Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRB 4-1.6 ; Providing and laying in position plain ceme 240kgs, with 20mm and down size graded granite metal coa @ 0.459cum, machine mixed, concrete laid in layers not foundation, plinth and cills, ncluding cost of all materials, lat specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No Basic Rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRRB M400-6.1. Construction of granular sub-base by pro- granite / trap / basalt material, mixing in a mechaical mix p site, spreading in uniform layers with motor grader on prepar to achieve the desired density, complete as per specification	ter 3. (KPWD 18-19 Rate Rate Rate Rate Rate Rate Rate Rate	9,SI No.19.64, 6 0.24 0.62 6.86 x M15 Grade 0.69 cum an ms. thick, well hinery, curing 018-19) 5900 236 613.6 6749.60 d crushed stor age of mixed mpacting with	Pg. No.149) Sqm with cement d fine aggreg I compacted, complete as Cum ne aggregates material to w Plate compace				
9	of machinery complete as per specifications. MORTH / Chap Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRB 4-1.6 ; Providing and laying in position plain ceme 240kgs, with 20mm and down size graded granite metal coa @ 0.459cum, machine mixed, concrete laid in layers not foundation, plinth and cills, ncluding cost of all materials, lab specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No Basic Rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRRB M400-6.1. Construction of granular sub-base by pro- granite / trap / basalt material, mixing in a mechaical mix p site, spreading in uniform layers with motor grader on prepar to achieve the desired density, complete as per specification sub-base material as per 400-1 For Grading-II Material	ter 3. (KPWD 18-19 Rate Rate Rate Rate Rate Rate Rate Rate	9,SI No.19.64, 6 0.24 0.62 6.86 x M15 Grade 0.69 cum an ms. thick, well hinery, curing 018-19) 5900 236 613.6 6749.60 d crushed stor age of mixed mpacting with ethod Close	Pg. No.149) Sqm with cement d fine aggreg I compacted, complete as complete as complete as paterial to w Plate compac graded granu				
9	of machinery complete as per specifications. MORTH / Chap Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRB 4-1.6 ; Providing and laying in position plain ceme 240kgs, with 20mm and down size graded granite metal coa @ 0.459cum, machine mixed, concrete laid in layers not foundation, plinth and cills, ncluding cost of all materials, lab specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No Basic Rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRRB M400-6.1. Construction of granular sub-base by pro- granite / trap / basalt material, mixing in a mechaical mix p site, spreading in uniform layers with motor grader on prepar to achieve the desired density, complete as per specification sub-base material as per 400-1 For Grading-II Material Basic Rate	ter 3. (KPWD 18-19 Rate Rate Rate Rate Rate Rate Rate Rate	9,SI No.19.64, 6 0.24 0.62 6.86 x M15 Grade 0.69 cum an ms. thick, well hinery, curing 018-19) 5900 236 613.6 6749.60 d crushed stor age of mixed mpacting with ethod Close 2166	Pg. No.149) Sqm with cement d fine aggreg I compacted, complete as Cum De aggregates material to w Plate compac graded granu				
9	of machinery complete as per specifications. MORTH / Chap Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRB 4-1.6 ; Providing and laying in position plain ceme 240kgs, with 20mm and down size graded granite metal coa @ 0.459cum, machine mixed, concrete laid in layers not foundation, plinth and cills, ncluding cost of all materials, lab specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No Basic Rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRRB M400-6.1. Construction of granular sub-base by pro- granite / trap / basalt material, mixing in a mechaical mix p site, spreading in uniform layers with motor grader on prepar to achieve the desired density, complete as per specification sub-base material as per 400-1 For Grading-II Material Basic Rate Maintenance -1st year escalation of 4%	ter 3. (KPWD 18-19 Rate Rate Rate Rate Rate Rate Rate Rate	9,SI No.19.64, 6 0.24 0.62 6.86 x M15 Grade 0.69 cum an ms. thick, wel hinery, curing 018-19) 5900 236 613.6 6749.60 d crushed stor age of mixed mpacting with ethod Close 2166 86.64	Pg. No.149) Sqm with cement d fine aggreg I compacted, complete as Cum ne aggregates material to we Plate compac graded granu				
	of machinery complete as per specifications. MORTH / Chap Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRB 4-1.6 ; Providing and laying in position plain ceme 240kgs, with 20mm and down size graded granite metal coa @ 0.459cum, machine mixed, concrete laid in layers not foundation, plinth and cills, ncluding cost of all materials, lab specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No Basic Rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRRB M400-6.1. Construction of granular sub-base by pro- granite / trap / basalt material, mixing in a mechaical mix p site, spreading in uniform layers with motor grader on prepar to achieve the desired density, complete as per specification sub-base material as per 400-1 For Grading-II Material Basic Rate	ter 3. (KPWD 18-19 Rate Rate Rate Rate Rate Rate Rate Rate	9,SI No.19.64, 6 0.24 0.62 6.86 x M15 Grade 0.69 cum an ms. thick, well hinery, curing 018-19) 5900 236 613.6 6749.60 d crushed stor age of mixed mpacting with ethod Close 2166	Pg. No.149) Sqm with cement d fine aggreg I compacted, complete as Cum ne aggregates material to w Plate compac graded granu				

	Maintenance for det Veen			
	Maintenance for 1st Year:		ete ef design Mix	
	KSRB 4.2.1 : Providing and laying in position reiforcement ceme		•	
	cement @340Kgs, with 20mm and down size graded granite metal			
	plasticisers @3 liters confirming to IS 9103-1999 reafirmed -2008 a			•
11	exceeding 15cms thick, vibrated for all works in foundation for			
	walls, walls (any thickness) including attached pilasters, colun			
	blocks,anchor blocks & plinths etc.,Including cost of labour,HOM of	of machir	hery,curing,comple	ete but excluding
	cost of reinforcement as per specifications.			
	(Page No 13,Sl No : 4.10)			
	Basic Rate		6198	
	Maintenance -1st year escalation of 4%		247.92	
	Add 10% For area weightage (Mangalore City)		644.59	
		Rate	7090.51	Cum
	Maintenance for 1st Year:			
	KSRB 4.6.1 Providing and removing centering, shuttering, strutting			
12	foundations, footings, bases of columns for mass concrete includi	ng cost o	of all materials,lab	our complete as
12	per specifications.			
	Specification No. KSB 4.6.2			
	(Page No 15,SI No : 4.28)			
	Basic Rate		263	
	Maintenance -1st year escalation of 4%		10.52	
			07.05	
	Add 10% For area weightage (Mangalore City)		21.30	
	Add 10% For area weightage (Mangalore City)	Rate	27.35 300.87	
	Add 10% For area weightage (Mangalore City)	Rate	300.87	
	Maintenance for 1st Year:			
	Maintenance for 1st Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work inc	luding	300.87	Sqm
	Maintenance for 1st Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work inc straighting,cutting,bending,hooking,placing in position,lapping and/o	luding or welding	300.87 g wherever require	Sqm ed,tying with
13	Maintenance for 1st Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work inc straighting,cutting,bending,hooking,placing in position,lapping and/o binding wire and anchoring to thr adjoing members wherever neces	luding or welding ssary con	300.87 g wherever require nplete as per desig	Sqm ed,tying with gn (laps,hooks
13	Maintenance for 1st Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work inc straighting,cutting,bending,hooking,placing in position,lapping and/o binding wire and anchoring to thr adjoing members wherever neces and wastage shall not be measured and paid) cost of materials,lab	luding or welding ssary con	300.87 g wherever require nplete as per desig	Sqm ed,tying with gn (laps,hooks
13	Maintenance for 1st Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work inc straighting,cutting,bending,hooking,placing in position,lapping and/ binding wire and anchoring to thr adjoing members wherever neces and wastage shall not be measured and paid) cost of materials,labor specifications.Specification No. KBS4.6.3.	luding or welding ssary con	300.87 g wherever require nplete as per desig	Sqm ed,tying with gn (laps,hooks
13	Maintenance for 1st Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work inc straighting,cutting,bending,hooking,placing in position,lapping and/o binding wire and anchoring to thr adjoing members wherever neces and wastage shall not be measured and paid) cost of materials,labo specifications.Specification No. KBS4.6.3. do with TMT bars Fe500	luding or welding ssary con	300.87 g wherever require nplete as per desig l of machinary con	Sqm ed,tying with gn (laps,hooks nplete as per
13	Maintenance for 1st Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work inc straighting,cutting,bending,hooking,placing in position,lapping and/ binding wire and anchoring to thr adjoing members wherever neces and wastage shall not be measured and paid) cost of materials,labor specifications.Specification No. KBS4.6.3.	luding or welding ssary con	300.87 g wherever require nplete as per desig	Sqm ed,tying with gn (laps,hooks nplete as per
13	Maintenance for 1st Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work inc straighting,cutting,bending,hooking,placing in position,lapping and/o binding wire and anchoring to thr adjoing members wherever neces and wastage shall not be measured and paid) cost of materials,labo specifications.Specification No. KBS4.6.3. do with TMT bars Fe500	luding or welding ssary con	300.87 g wherever require nplete as per desig l of machinary con	Sqm ed,tying with gn (laps,hooks nplete as per
13	Maintenance for 1st Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work inc straighting,cutting,bending,hooking,placing in position,lapping and/o binding wire and anchoring to thr adjoing members wherever neces and wastage shall not be measured and paid) cost of materials,labor specifications.Specification No. KBS4.6.3. do with TMT bars Fe500 Basic Rate	luding or welding ssary con	300.87 g wherever require nplete as per desig I of machinary con 70782	Sqm ed,tying with gn (laps,hooks nplete as per
13	Maintenance for 1st Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work inc straighting,cutting,bending,hooking,placing in position,lapping and/o binding wire and anchoring to thr adjoing members wherever neces and wastage shall not be measured and paid) cost of materials,labor specifications.Specification No. KBS4.6.3. do with TMT bars Fe500 Basic Rate Maintenance -1st year escalation of 4%	luding or welding ssary con	300.87 g wherever require nplete as per desig l of machinary con 70782 2831.28	Sqm ed,tying with gn (laps,hooks nplete as per
13	Maintenance for 1st Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work inc straighting,cutting,bending,hooking,placing in position,lapping and/o binding wire and anchoring to thr adjoing members wherever neces and wastage shall not be measured and paid) cost of materials,labor specifications.Specification No. KBS4.6.3. do with TMT bars Fe500 Basic Rate Maintenance -1st year escalation of 4%	luding or welding ssary con our,HOM	300.87 g wherever require nplete as per design of machinary con 70782 2831.28 7361.33	Sqm ed,tying with gn (laps,hooks nplete as per
13	Maintenance for 1st Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work inc straighting,cutting,bending,hooking,placing in position,lapping and/o binding wire and anchoring to thr adjoing members wherever neces and wastage shall not be measured and paid) cost of materials,labor specifications.Specification No. KBS4.6.3. do with TMT bars Fe500 Basic Rate Maintenance -1st year escalation of 4%	luding or welding ssary con our,HOM	300.87 g wherever require nplete as per design of machinary con 70782 2831.28 7361.33	Sqm ed,tying with gn (laps,hooks nplete as per
13	Maintenance for 1st Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work inc straighting,cutting,bending,hooking,placing in position,lapping and/o binding wire and anchoring to thr adjoing members wherever neces and wastage shall not be measured and paid) cost of materials,labo specifications.Specification No. KBS4.6.3. do with TMT bars Fe500 Basic Rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City)	luding or welding ssary con our,HOM Rate	300.87 g wherever require nplete as per desig l of machinary con 70782 2831.28 7361.33 80974.61	Sqm ed,tying with gn (laps,hooks nplete as per MT
	Maintenance for 1st Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work inc straighting,cutting,bending,hooking,placing in position,lapping and/o binding wire and anchoring to thr adjoing members wherever neces and wastage shall not be measured and paid) cost of materials,labo specifications.Specification No. KBS4.6.3. do with TMT bars Fe500 Basic Rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year:	luding or welding ssary con our,HOM Rate	300.87 g wherever require nplete as per design of machinary con 70782 2831.28 7361.33 80974.61	Sqm ed,tying with gn (laps,hooks nplete as per MT
13	Maintenance for 1st Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work inc straighting,cutting,bending,hooking,placing in position,lapping and/o binding wire and anchoring to thr adjoing members wherever neces and wastage shall not be measured and paid) cost of materials,labo specifications.Specification No. KBS4.6.3. do with TMT bars Fe500 Basic Rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRRB M300-Construction of Subgrade. KSRRB M300-55. Constr Gravel/Murrum with all lifts & leads, transporting to site, spreading,	luding or welding ssary con our,HOM Rate	300.87 g wherever require nplete as per design of machinary con 70782 2831.28 7361.33 80974.61	Sqm ed,tying with gn (laps,hooks nplete as per MT oproved material and compacted
	Maintenance for 1st Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work inc straighting,cutting,bending,hooking,placing in position,lapping and/o binding wire and anchoring to thr adjoing members wherever neces and wastage shall not be measured and paid) cost of materials,labo specifications.Specification No. KBS4.6.3. do with TMT bars Fe500 Basic Rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRRB M300-Construction of Subgrade. KSRRB M300-55. Constr Gravel/Murrum with all lifts & leads, transporting to site, spreading, to meet requirement of Table No. 300-2 complete as per specification	luding or welding ssary con our,HOM Rate ruction of grading t ions (incl	300.87 g wherever require nplete as per design of machinary con 70782 2831.28 7361.33 80974.61 f sub-grade with appendix to required slope a uding cost of earth	Sqm ed,tying with gn (laps,hooks nplete as per MT proved material and compacted n, watering
	Maintenance for 1st Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work inc straighting,cutting,bending,hooking,placing in position,lapping and/o binding wire and anchoring to thr adjoing members wherever neces and wastage shall not be measured and paid) cost of materials,labo specifications.Specification No. KBS4.6.3. do with TMT bars Fe500 Basic Rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRRB M300-Construction of Subgrade. KSRRB M300-55. Constr Gravel/Murrum with all lifts & leads, transporting to site, spreading, to meet requirement of Table No. 300-2 complete as per specification	luding or welding ssary con our,HOM Rate ruction of grading t ions (incl	300.87 g wherever require nplete as per design of machinary con 70782 2831.28 7361.33 80974.61 f sub-grade with appendix to required slope a uding cost of earth	Sqm ed,tying with gn (laps,hooks nplete as per MT proved material and compacted n, watering
	Maintenance for 1st Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work inc straighting,cutting,bending,hooking,placing in position,lapping and/o binding wire and anchoring to thr adjoing members wherever neces and wastage shall not be measured and paid) cost of materials,lab specifications.Specification No. KBS4.6.3. do with TMT bars Fe500 Basic Rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRRB M300-Construction of Subgrade. KSRRB M300-55. Constr Gravel/Murrum with all lifts & leads, transporting to site, spreading, to meet requirement of Table No. 300-2 complete as per specification Add requirement of Table No. 300-2 complete as per specification Specification No. 305	luding or welding ssary con our,HOM Rate ruction of grading t ions (incl	300.87 g wherever require nplete as per design of machinary con 70782 2831.28 7361.33 80974.61 f sub-grade with ap to required slope a uding cost of earth % of proctors dens	Sqm ed,tying with gn (laps,hooks nplete as per MT oproved material and compacted n, watering sity) MORTH
	Maintenance for 1st Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work inc straighting,cutting,bending,hooking,placing in position,lapping and/o binding wire and anchoring to thr adjoing members wherever neces and wastage shall not be measured and paid) cost of materials,lab specifications.Specification No. KBS4.6.3. do with TMT bars Fe500 Basic Rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRRB M300-Construction of Subgrade. KSRRB M300-55. Constr Gravel/Murrum with all lifts & leads, transporting to site, spreading, to meet requirement of Table No. 300-2 complete as per specification Add soc Soc Basic Rate Soc Maintenance for 1st Year: KSRRB M300-Construction of Subgrade. KSRRB M300-55. Constr Gravel/Murrum with all lifts & leads, transporting to site, spreading, to meet requirement of Table No. 300-2 complete as per specification charges & compaction by vibratory rollercompaction by vibratory ro Specification No. 305 Basic Rate	luding or welding ssary con our,HOM Rate ruction of grading t ions (incl	g wherever require nplete as per design of machinary con 70782 2831.28 7361.33 80974.61 sub-grade with appendix to required slope a uding cost of earth % of proctors denix	Sqm ed,tying with gn (laps,hooks nplete as per MT proved material and compacted n, watering sity) MORTH
	Maintenance for 1st Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work inc straighting,cutting,bending,hooking,placing in position,lapping and/o binding wire and anchoring to thr adjoing members wherever neces and wastage shall not be measured and paid) cost of materials,labor specifications.Specification No. KBS4.6.3. do with TMT bars Fe500 Basic Rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRRB M300-Construction of Subgrade. KSRRB M300-55. Constr Gravel/Murrum with all lifts & leads, transporting to site, spreading, to meet requirement of Table No. 300-2 complete as per specification charges & compaction by vibratory rollercompaction by vibratory ro Specification No. 305 Basic Rate Maintenance -1st year escalation of 4%	luding or welding ssary con our,HOM Rate ruction of grading t ions (incl	300.87 g wherever require nplete as per design of machinary con 70782 2831.28 7361.33 80974.61 f sub-grade with ap to required slope a uding cost of earth % of proctors dens	Sqm ed,tying with gn (laps,hooks nplete as per MT proved material and compacted n, watering sity) MORTH
	Maintenance for 1st Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work inc straighting,cutting,bending,hooking,placing in position,lapping and/c binding wire and anchoring to thr adjoing members wherever neces and wastage shall not be measured and paid) cost of materials,labc specifications.Specification No. KBS4.6.3. do with TMT bars Fe500 Basic Rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRRB M300-Construction of Subgrade. KSRRB M300-55. Constr Gravel/Murrum with all lifts & leads, transporting to site, spreading, to meet requirement of Table No. 300-2 complete as per specification have specification No. 305 Basic Rate Maintenance -1st year escalation of 4% Add 20km lead (17.4 KSRRB M100-4.1-Cost of haulage excluding	luding or welding ssary con our,HOM Rate ruction of grading t ions (incl	g wherever require nplete as per design of machinary con 2831.28 7361.33 80974.61 sub-grade with age to required slope a uding cost of earth % of proctors dens 513 20.52	Sqm ed,tying with gn (laps,hooks nplete as per MT oproved material and compacted n, watering sity) MORTH
	Maintenance for 1st Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work inc straighting,cutting,bending,hooking,placing in position,lapping and/d binding wire and anchoring to thr adjoing members wherever neces and wastage shall not be measured and paid) cost of materials,labo specifications.Specification No. KBS4.6.3. do with TMT bars Fe500 Basic Rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRRB M300-Construction of Subgrade. KSRRB M300-55. Constr Gravel/Murrum with all lifts & leads, transporting to site, spreading, to meet requirement of Table No. 300-2 complete as per specificati charges & compaction by vibratory rollercompaction by vibratory ro Specification No. 305 Basic Rate Maintenance -1st year escalation of 4% Add 20km lead (17.4 KSRRB M100-4.1-Cost of haulage excluding loading and unloading MORTH-100/Chapter 1-case 1-Surface	luding or welding ssary con our,HOM Rate ruction of grading t ions (incl	g wherever require nplete as per design of machinary con 70782 2831.28 7361.33 80974.61 sub-grade with appendix to required slope a uding cost of earth % of proctors denix	Sqm ed,tying with gn (laps,hooks nplete as per MT oproved material and compacted n, watering sity) MORTH
	Maintenance for 1st Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work inc straighting,cutting,bending,hooking,placing in position,lapping and/d binding wire and anchoring to thr adjoing members wherever neces and wastage shall not be measured and paid) cost of materials,lab specifications.Specification No. KBS4.6.3. do with TMT bars Fe500 Basic Rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRRB M300-Construction of Subgrade. KSRRB M300-55. Constr Gravel/Murrum with all lifts & leads, transporting to site, spreading, to meet requirement of Table No. 300-2 complete as per specificat charges & compaction by vibratory rollercompaction by vibratory ro Specification No. 305 Basic Rate Maintenance -1st year escalation of 4% Add 20km lead (17.4 KSRRB M100-4.1-Cost of haulage excluding loading and unloading MORTH-100/Chapter 1-case 1-Surface Road)=2.5 Rs/ Tkm x 1.28 T x 20km	luding or welding ssary con our,HOM Rate ruction of grading t ions (incl	g wherever require nplete as per design of machinary con 70782 2831.28 7361.33 80974.61 sub-grade with appendix to required slope a uding cost of earth % of proctors dens 513 20.52 51.2	Sqm ed,tying with gn (laps,hooks nplete as per MT oproved material and compacted n, watering sity) MORTH
	Maintenance for 1st Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work inc straighting,cutting,bending,hooking,placing in position,lapping and/d binding wire and anchoring to thr adjoing members wherever neces and wastage shall not be measured and paid) cost of materials,lab specifications.Specification No. KBS4.6.3. do with TMT bars Fe500 Basic Rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRRB M300-Construction of Subgrade. KSRRB M300-55. Constr Gravel/Murrum with all lifts & leads, transporting to site, spreading, to meet requirement of Table No. 300-2 complete as per specificat charges & compaction by vibratory rollercompaction by vibratory ro Specification No. 305 Basic Rate Maintenance -1st year escalation of 4% Add 20km lead (17.4 KSRRB M100-4.1-Cost of haulage excluding loading and unloading MORTH-100/Chapter 1-case 1-Surface Road)=2.5 Rs/ Tkm x 1.28 T x 20km	luding or welding ssary con our,HOM Rate ruction of grading t ions (incl	300.87 g wherever require nplete as per design of machinary con 70782 2831.28 7361.33 80974.61 f sub-grade with ap to required slope a uding cost of earth % of proctors dens 513 20.52 51.2 51.2	Sqm ed,tying with gn (laps,hooks nplete as per MT oproved material and compacted n, watering sity) MORTH
	Maintenance for 1st Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work inc straighting,cutting,bending,hooking,placing in position,lapping and/d binding wire and anchoring to thr adjoing members wherever neces and wastage shall not be measured and paid) cost of materials,lab specifications.Specification No. KBS4.6.3. do with TMT bars Fe500 Basic Rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRRB M300-Construction of Subgrade. KSRRB M300-55. Constr Gravel/Murrum with all lifts & leads, transporting to site, spreading, to meet requirement of Table No. 300-2 complete as per specificat charges & compaction by vibratory rollercompaction by vibratory ro Specification No. 305 Basic Rate Maintenance -1st year escalation of 4% Add 20km lead (17.4 KSRRB M100-4.1-Cost of haulage excluding loading and unloading MORTH-100/Chapter 1-case 1-Surface Road)=2.5 Rs/ Tkm x 1.28 T x 20km	luding or welding ssary con our,HOM Rate ruction of grading t ions (incl	g wherever require nplete as per design of machinary con 70782 2831.28 7361.33 80974.61 sub-grade with appendix to required slope a uding cost of earth % of proctors dens 513 20.52 51.2	Sqm ed,tying with gn (laps,hooks nplete as per MT oproved material and compacted n, watering sity) MORTH

15	Maintenance for 1st Year: KSRRB M600-1.Construction of dry lean cement concrete mix M 25mm and down size graded granite/trap/basalt metal coarse ag 0.58cum Sub-base over prepared sub grade with (coarse and fine cement ration not to excee 15:1. Aggregate gradation after blendin to be determined during trail length construction, concrete strength in a batching plant,transported to site,laid with a paver with elec double drum vibratory roller,finishing and curing complete as per sp (Page No 176,SI No : 22.1)	gregate a aggrega g to be a not to be tronic se	at 0.86cum and fint te confirming to IS is per Table 600-1 e less than 10Mpa insor,compacting v	ne aggregate @ 5:383) aggregate , cement content at 7 days,mixed with 8-10 tonnes
	Basic Rate		4048	
	Maintenance -1st year escalation of 4%		161.92	
	Add 10% For area weightage (Mangalore City)		420.99	
		Rate	4630.91	Cum
16	Maintenance for 1st Year: KSRRB M600-1.Construction of dry lean cement concrete mix M ² 25mm and down size graded granite/trap/basalt metal coarse ag 0.58cum Sub-base over prepared sub grade with (coarse and fine cement ration not to excee 15:1. Aggregate gradation after blendin to be determined during trail length construction, concrete strength in a batching plant,transported to site,Manually laid and compactin complete as per specifications.Morth specification No.601 (RA attached)	gregate a aggrega g to be a not to be	at 0.86cum and fi te confirming to IS s per Table 600-1 e less than 10Mpa	ne aggregate @ 3:383) aggregate , cement content at 7 days,mixed
	Basic Rate		3680	
	Maintenance -1st year escalation of 4%		147.2	
	Add 10% For area weightage (Mangalore City)		382.72	
		Rate	4209.92	
17	Maintenance for 1st Year: KSSRRB M600-2.Construction of unreinforced,dowel jointed,p prepared sub base with 25mm and down size graded granite meta 3 Its confirming to IS9103-1999 reaffirmed 2008(Coarse and fine a batching and mixing plant as per approved mix design,transpor spread,compacted and finished in a continuos operation inclu- construction and longitudinal joints,including groove cutting ch sealent primer, joints sealant, debonding strip, dowel bars at 4.5m curing compound,finishing to lines and grades as per drawing specification No.602.do with M40 (420Kg per cum Cement,C.A,0.6 (Page No 176,SI No : 22.2.2)	al coarse aggregate orted to uding pr nrges, jo i intervals g comple	aggregate with su e conforming to IS site,laid with a fi ovision of contra ints filler,separations, tie rod, admixture ete as per sprcifie	uperplastisizer at :383) mixed in a xed form paver ction, expansio, on memberane, res as approved,
	Basic Rate		5765	
	Maintenance -1st year escalation of 4%		230.6	
	Add 10% For area weightage (Mangalore City)		599.56	
		Rate	6595.16	Cum
18	Maintenance for 1st Year: Providing and placing joint sealant compound of cold polysulphide required width, sand blasting the groove face if recommended groove with air compressor, insertion of debonding strip, primir manufacturer recommends and pouring the sealant all complete in (Non SOR Item)	by the song the si	ealant manufactur	er, cleaning the nt if the sealant
	Rate Approved as per EOI by MD MSCL Mangalore,Refer Sr.No.2		115	
	Maintenance -1st year escalation of 4%		4.6	
		Rate	119.6	Rmt
		1	1	

	Maintenance for 1st Year: KSRRB 3000 Repair of Joint Grooves with Epoxy Mortar			
	KSRRB M3000-8 Repairs of spalled joints grooves of cont	raction joints longitu	dinal joints and	ovpansion joint
19	in concrete pavement using epoxy mortar concrete of			
	No.3005.1	somplete as per sp	Decinications.inio	ntri specificatio
	(Page No 257,SI No : 35.8)			•
	Basic Rate		331	
	Maintenance -1st year escalation of 4%		13.24	
	Add 10% For area weightage (Mangalore City)		34.42	
		Rate	378.66	Rmt
	Maintenance for 1st Year:			
	Providing and laying at or near ground level factory ma	ade kerb stone of N	/I-20 grade cen	nent concrete i
	position to the required line, level and curvature, jointed	with cement mortar	1:3 (1 cement:	3 coarse sand
	including making joints with or without grooves (thicknes			
20	than 5mm), including making drainage opening wherever			
	in-charge (length of finished kerb edging shall be measure			
	(Precast C.C. kerb stone shall be approved by Engineer-ir			
	(RA Attached)	ronarge).		
	· · ·			
	Rate Arrived as per Rate analysis		/ ^-	
	Basic Rate		17708.82	
	Maintenance -1st year escalation of 4%		708.35	
	Add 10% For area weightage (Mangalore City)		1841.72	
		Rate	20258.89	Cum
	Maintenance for 1st Year:			
	Providin and fixing pre cast solid concrete Kerb stones as	per the drawing,ma	de out of CC 1	:2:4 and Jointe
21	with CM 1:3 and finishing cutting, including	cost of all mat	erials,labour,hir	e charges c
	machinery, loading, unloading, lead and lift, transportation et	c.,complete		U
	(Page No 25,SI No : 5.3)	•		
	Basic rate		15481.61	
	Maintenance -1st year escalation of 4%		619.26	
	Add 10% For area weightage	Data	1610.09	
		Rate		
		Rate	1610.09	
	Maintenance for 1st Year:		1610.09 17710.96	Cum
	Maintenance for 1st Year: Providin and fixing pre cast solid concrete water table(long	gitudinal gutter) as p	1610.09 17710.96 per the drawing,	Cum made out of Co
22	Maintenance for 1st Year: Providin and fixing pre cast solid concrete water table(lon 1:2:4 and jointed with CM 1:3 and finishing cutting, in	gitudinal gutter) as p cluding cost of all r	1610.09 17710.96 per the drawing,	Cum made out of C0
22	Maintenance for 1st Year: Providin and fixing pre cast solid concrete water table(long 1:2:4 and jointed with CM 1:3 and finishing cutting, in machinery,loading,unloading,lead and lift,transportation et	gitudinal gutter) as p cluding cost of all r	1610.09 17710.96 per the drawing,	Cum made out of C0
22	Maintenance for 1st Year: Providin and fixing pre cast solid concrete water table(lon 1:2:4 and jointed with CM 1:3 and finishing cutting, in	gitudinal gutter) as p cluding cost of all r	1610.09 17710.96 per the drawing,	Cum made out of C0
22	Maintenance for 1st Year: Providin and fixing pre cast solid concrete water table(lone 1:2:4 and jointed with CM 1:3 and finishing cutting, in machinery,loading,unloading,lead and lift,transportation et (Page No 25,SI No : 5.3)	gitudinal gutter) as p cluding cost of all r	1610.09 17710.96 per the drawing, materials,labour	Cum made out of C0 ,hire charges c
22	Maintenance for 1st Year: Providin and fixing pre cast solid concrete water table(long 1:2:4 and jointed with CM 1:3 and finishing cutting, in machinery,loading,unloading,lead and lift,transportation et (Page No 25,SI No : 5.3) Basic rate	gitudinal gutter) as p cluding cost of all r	1610.09 17710.96 per the drawing, materials,labour 15481.61	Cum made out of CC ,hire charges c
22	Maintenance for 1st Year: Providin and fixing pre cast solid concrete water table(long 1:2:4 and jointed with CM 1:3 and finishing cutting, in machinery,loading,unloading,lead and lift,transportation et (Page No 25,SI No : 5.3) Basic rate Maintenance -1st year escalation of 4%	gitudinal gutter) as p cluding cost of all r	1610.09 17710.96 per the drawing, materials,labour 15481.61 619.26	Cum made out of CC ,hire charges c
22	Maintenance for 1st Year: Providin and fixing pre cast solid concrete water table(long 1:2:4 and jointed with CM 1:3 and finishing cutting, in machinery,loading,unloading,lead and lift,transportation et (Page No 25,SI No : 5.3) Basic rate	gitudinal gutter) as p cluding cost of all r c.,complete	1610.09 17710.96 per the drawing, materials,labour 15481.61 619.26 1610.09	Cum made out of CC ,hire charges c
22	Maintenance for 1st Year: Providin and fixing pre cast solid concrete water table(long 1:2:4 and jointed with CM 1:3 and finishing cutting, in machinery,loading,unloading,lead and lift,transportation et (Page No 25,SI No : 5.3) Basic rate Maintenance -1st year escalation of 4%	gitudinal gutter) as p cluding cost of all r	1610.09 17710.96 per the drawing, materials,labour 15481.61 619.26	Cum made out of CC ,hire charges c
22	Maintenance for 1st Year: Providin and fixing pre cast solid concrete water table(long 1:2:4 and jointed with CM 1:3 and finishing cutting, indexchinery, loading, unloading, lead and lift, transportation et (Page No 25, SI No : 5.3) Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage	gitudinal gutter) as p cluding cost of all r c.,complete	1610.09 17710.96 per the drawing, materials,labour 15481.61 619.26 1610.09	Cum made out of CC ,hire charges c
22	Maintenance for 1st Year: Providin and fixing pre cast solid concrete water table(long 1:2:4 and jointed with CM 1:3 and finishing cutting, indexchinery,loading,unloading,lead and lift,transportation et (Page No 25,Sl No : 5.3) Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage	gitudinal gutter) as p cluding cost of all r c.,complete	1610.09 17710.96 Der the drawing, materials,labour 15481.61 619.26 1610.09 17710.96	Cum made out of Co ,hire charges c
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23	Maintenance for 1st Year: Providin and fixing pre cast solid concrete water table(long 1:2:4 and jointed with CM 1:3 and finishing cutting, incomachinery,loading,unloading,lead and lift,transportation et (Page No 25,SI No : 5.3) Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage Maintenance for 1st Year: Removing and resetting of kerb stones. including cost of all lead and lifts, labour charges including implementation design, drawing, technical specifications and directions of Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage Maintenance for 1st Year: Removing and resetting of kerb stones. including cost of all lead and lifts, labour charges including implementation design, drawing, technical specifications and directions of Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage Maintenance for 1st Year: KSRRB 800-1. Painting two coats after filling the surface work on we plastered concrete surfaces, with materials, labour complexity of the surface work of the surface surfaces and the surface surfaces and the surface surfaces and the surface surfaces and the surface surfaces and the surface surfaces and the surface surfaces and the surface surfaces and the surfaces and the surfaces and the surfaces and the surfaces and the surfaces and the surfaces and the surfaces and the surfaces and the surfaces and the surfaces and the surfaces and the surfaces and the surfaces and the surfaces and the surfaces and the surfaces and the surfaces and the	gitudinal gutter) as p cluding cost of all r c.,complete Rate all materials, scaffor of Environmental a Engineer-in-charge. Rate	1610.09 17710.96 per the drawing, materials, labour 15481.61 619.26 1610.09 17710.96 blding HOM of reand Social Safe 24 0.96 2.5 27.46	Cum made out of CO ,hire charges of Cum machineries wit guards & as pe Rm
23	Maintenance for 1st Year: Providin and fixing pre cast solid concrete water table(long 1:2:4 and jointed with CM 1:3 and finishing cutting, incomachinery,loading,unloading,lead and lift,transportation et (Page No 25,SI No : 5.3) Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage Maintenance for 1st Year: Removing and resetting of kerb stones. including cost of all lead and lifts, labour charges including implementation design, drawing, technical specifications and directions of Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage Maintenance for 1st Year: Removing and resetting of kerb stones. including cost of all lead and lifts, labour charges including implementation design, drawing, technical specifications and directions of Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage Maintenance for 1st Year: KSRRB 800-1. Painting two coats after filling the surface water the sur	gitudinal gutter) as p cluding cost of all r c.,complete Rate all materials, scaffor of Environmental a Engineer-in-charge. Rate	1610.09 17710.96 per the drawing, materials, labour 15481.61 619.26 1610.09 17710.96 blding HOM of reand Social Safe 24 0.96 2.5 27.46	Cum made out of CG ,hire charges c Cum machineries wit guards & as pe Rm Rm ved shades on FH Chapter 8

	Maintenance -1st year escalation of 4%		3.2	
	Add 10% For area weightage (Mangalore City)		8.32	
		Rate	91.52	Sqm
25	Maintenance for 1st Year:			
20	P/F FRP Recess Cover (2.5T) 900mmx600 mm with frame of	n Manhole for elec	ctrical ducting.	
	As per Quotation			
	Basic Rate		10764	
	Discount 30%		-3229.2	
	Sub Total		7534.8	
	Fixing Charges @5%		538.2	
	Maintenance -1st year escalation of 4%		322.92	
		Rate	8395.92	Nos.
	Maintenance for 1st Year:	II		1
~~	P/F FRP Recess Cover (2.5T) 600mmx450 mm with frame at	raised footnath or	n SWD	
26	(Rate analysis attached)		lone.	
	As per Quotation	I		I
	Basic Rate		7179.00	
	Discount 30%		-2153.7	
	Sub Total		5025.3	
	Fixing Charges @5%		251.265	
	Maintenance -1st year escalation of 4%		211.06	
		Rate	5487.63	Nos.
	Maintenance for 1st Year:			
27	P/F FRP Water gully cover with frame (25T) 600mmx500 mm	at level footnath		
Z 1		i al iovoi ioolpalii.		
21				
21	(Rate analysis attached)			
21	(Rate analysis attached) As per Quotation			
~ 1	(Rate analysis attached) As per Quotation Basic Rate		7912.28	
	(Rate analysis attached) As per Quotation Basic Rate Discount 30%		7912.28 -2373.68	
Z I	(Rate analysis attached) As per Quotation Basic Rate Discount 30% Sub Total		7912.28 -2373.68 5538.6	
21	(Rate analysis attached) As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5%		7912.28 -2373.68 5538.6 276.93	
	(Rate analysis attached) As per Quotation Basic Rate Discount 30% Sub Total		7912.28 -2373.68 5538.6 276.93 232.62	-
	(Rate analysis attached) As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5%	Rate	7912.28 -2373.68 5538.6 276.93	-
	(Rate analysis attached) As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5% Maintenance -1st year escalation of 4%		7912.28 -2373.68 5538.6 276.93 232.62	-
	(Rate analysis attached) As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5% Maintenance -1st year escalation of 4% Maintenance for 1st Year:	Rate	7912.28 -2373.68 5538.6 276.93 232.62 6048.15	Nos.
	(Rate analysis attached) As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5% Maintenance -1st year escalation of 4% Maintenance for 1st Year: Providing gully pipe lowering,laying of PVC 100 mm dia pipe	Rate Rate	7912.28 -2373.68 5538.6 276.93 232.62 6048.15 alignments in	Nos.
	(Rate analysis attached) As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5% Maintenance -1st year escalation of 4% Maintenance for 1st Year: Providing gully pipe lowering,laying of PVC 100 mm dia pipe and grade as indicated in drawings/design and hydraulically	Rate Rate es to the required testing of the pipe	7912.28 -2373.68 5538.6 276.93 232.62 6048.15 alignments in e line.The rate	Nos.
	(Rate analysis attached) As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5% Maintenance -1st year escalation of 4% Maintenance for 1st Year: Providing gully pipe lowering,laying of PVC 100 mm dia pipe and grade as indicated in drawings/design and hydraulically jointing materials,testing apparatus and water for testi g etc	Rate Rate es to the required testing of the pipe	7912.28 -2373.68 5538.6 276.93 232.62 6048.15 alignments in e line.The rate	Nos. ncluding spec
	(Rate analysis attached) As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5% Maintenance -1st year escalation of 4% Maintenance for 1st Year: Providing gully pipe lowering,laying of PVC 100 mm dia pipe and grade as indicated in drawings/design and hydraulically jointing materials,testing apparatus and water for testi g etc No.41,Item No.7,KUWSDB SOR 2016-17)	Rate Rate es to the required testing of the pipe	7912.28 -2373.68 5538.6 276.93 232.62 6048.15 alignments in e line.The rate the Engineer	Nos. ncluding spec shall include in charge (pa
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	(Rate analysis attached) As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5% Maintenance -1st year escalation of 4% Maintenance for 1st Year: Providing gully pipe lowering,laying of PVC 100 mm dia pipe and grade as indicated in drawings/design and hydraulically jointing materials,testing apparatus and water for testi g etc No.41,Item No.7,KUWSDB SOR 2016-17) Basic Rate Maintenance -1st year escalation of 4%	Rate Rate es to the required testing of the pipe	7912.28 -2373.68 5538.6 276.93 232.62 6048.15 alignments in e line.The rate the Engineer	Nos.
	(Rate analysis attached) As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5% Maintenance -1st year escalation of 4% Maintenance for 1st Year: Providing gully pipe lowering,laying of PVC 100 mm dia pipe and grade as indicated in drawings/design and hydraulically jointing materials,testing apparatus and water for testi g etc No.41,ltem No.7,KUWSDB SOR 2016-17) Basic Rate Maintenance -1st year escalation of 4% Add 10% on Labor Charges=Rs.47,For area weightage	Rate Rate es to the required testing of the pipe	7912.28 -2373.68 5538.6 276.93 232.62 6048.15 alignments in e line.The rate the Engineer 297 11.88	Nos.
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	(Rate analysis attached) As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5% Maintenance -1st year escalation of 4% Maintenance for 1st Year: Providing gully pipe lowering,laying of PVC 100 mm dia pipe and grade as indicated in drawings/design and hydraulically jointing materials,testing apparatus and water for testi g etc No.41,ltem No.7,KUWSDB SOR 2016-17) Basic Rate Maintenance -1st year escalation of 4% Add 10% on Labor Charges=Rs.47,For area weightage	Rate Rate es to the required testing of the pipe	7912.28 -2373.68 5538.6 276.93 232.62 6048.15 alignments in e line.The rate the Engineer 297 11.88	Nos. ncluding spec shall include in charge (pa
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28	(Rate analysis attached) As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5% Maintenance -1st year escalation of 4% Maintenance for 1st Year: Providing gully pipe lowering,laying of PVC 100 mm dia pipe and grade as indicated in drawings/design and hydraulically jointing materials,testing apparatus and water for testi g etc No.41,Item No.7,KUWSDB SOR 2016-17) Basic Rate Maintenance -1st year escalation of 4% Add 10% on Labor Charges=Rs.47,For area weightage (Mangalore City) Maintenance for 1st Year: KSRB 11-18-17.1 : Providing and fixing sand cast iron trap of	Rate Rate Rate es to the required testing of the pipe c as directed by Rate Rate	7912.28 -2373.68 5538.6 276.93 232.62 6048.15 alignments ir e line.The rate the Engineer 297 11.88 4.7 313.58	Nos. ncluding spec shall include in charge (pa Rm
	(Rate analysis attached) As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5% Maintenance -1st year escalation of 4% Maintenance for 1st Year: Providing gully pipe lowering,laying of PVC 100 mm dia pipe and grade as indicated in drawings/design and hydraulically jointing materials,testing apparatus and water for testi g etc No.41,ltem No.7,KUWSDB SOR 2016-17) Basic Rate Maintenance -1st year escalation of 4% Add 10% on Labor Charges=Rs.47,For area weightage (Mangalore City) Maintenance for 1st Year: KSRB 11-18-17.1 : Providing and fixing sand cast iron trap of screwed down or hinged grating with or without vent arm inclu	Rate Rate Rate Rate Rate Rate Rate Rate	7912.28 -2373.68 5538.6 276.93 232.62 6048.15 alignments in e line.The rate the Engineer 297 11.88 4.7 313.58	Nos. Including spece In shall include in charge (particular Rm Include
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28	(Rate analysis attached) As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5% Maintenance -1st year escalation of 4% Maintenance for 1st Year: Providing gully pipe lowering,laying of PVC 100 mm dia pipe and grade as indicated in drawings/design and hydraulically jointing materials,testing apparatus and water for testi g etc No.41,Item No.7,KUWSDB SOR 2016-17) Basic Rate Maintenance for 1st Year: KSRB 11-18-17.1 : Providing and fixing sand cast iron trap of screwed down or hinged grating with or without vent arm inclu floors, cost of materials, labour, testing, complete as per spec (PWD SR 2015-19,P.No.86, SI.No.12.89)	Rate Rate Rate Rate Rate Rate Rate Rate	7912.28 -2373.68 5538.6 276.93 232.62 6048.15 alignments in e line.The rate the Engineer 297 11.88 4.7 313.58 If cleaning des naking good th ation No. KBS	Nos. Including spece Include In charge (particulation Rm Include In charge and Include In charge and Include I
28	(Rate analysis attached) As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5% Maintenance -1st year escalation of 4% Maintenance for 1st Year: Providing gully pipe lowering,laying of PVC 100 mm dia pipe and grade as indicated in drawings/design and hydraulically jointing materials,testing apparatus and water for testi g etc No.41,Item No.7,KUWSDB SOR 2016-17) Basic Rate Maintenance for 1st Year: KSRB 11-18-000000000000000000000000000000000	Rate Rate Rate Rate Rate Rate Rate Rate	7912.28 -2373.68 5538.6 276.93 232.62 6048.15 alignments in e line.The rate the Engineer 297 11.88 4.7 313.58 If cleaning des naking good th ation No. KBS	Nos. Including spece In shall include In charge (particular Rm Includes and 11.1.10.
28	(Rate analysis attached) As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5% Maintenance -1st year escalation of 4% Maintenance for 1st Year: Providing gully pipe lowering,laying of PVC 100 mm dia pipe and grade as indicated in drawings/design and hydraulically jointing materials,testing apparatus and water for testi g etc No.41,Item No.7,KUWSDB SOR 2016-17) Basic Rate Maintenance for 1st Year: KSRB 11-18-17.1 : Providing and fixing sand cast iron trap of screwed down or hinged grating with or without vent arm inclu floors, cost of materials, labour, testing, complete as per spec (PWD SR 2015-19,P.No.86, SI.No.12.89) Basic Rate Maintenance -1st year escalation of 4%	Rate Rate Rate Rate Rate Rate Rate Rate	7912.28 -2373.68 5538.6 276.93 232.62 6048.15 alignments in e line.The rate the Engineer 297 11.88 4.7 313.58 If cleaning des naking good th ation No. KBS 830 33.2	Nos. Including spece Is shall include in charge (particular Rm Includes and Includes and 11.1.10.
28	(Rate analysis attached) As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5% Maintenance -1st year escalation of 4% Maintenance for 1st Year: Providing gully pipe lowering,laying of PVC 100 mm dia pipe and grade as indicated in drawings/design and hydraulically jointing materials,testing apparatus and water for testi g etc No.41,Item No.7,KUWSDB SOR 2016-17) Basic Rate Maintenance for 1st Year: KSRB 11-18-000000000000000000000000000000000	Rate Rate Rate Rate Rate Rate Rate Rate	7912.28 -2373.68 5538.6 276.93 232.62 6048.15 alignments in e line.The rate the Engineer 297 11.88 4.7 313.58 If cleaning des naking good th ation No. KBS	Nos.

	Maintenance for 1st Year:			
	KSRRB M800-29.3.Cable Duct Across the road KSRRB M800-	29.1. Pro	widing and laying	of a reinforce
	cement concrete pipe duct, 300 mm dia, across the road (new co	nstructior	n), extending from	drain to drain
	cuts and toe of slope to toe of slope in fills, constructing head wa			
30	granular material over top and sides of RCC pipe as per IRC:9	-		
30	granular material free of rock pieces, outer to outer distance of	of pipe at	least half dia of	pipe subject
	minimum450 mm in case of double and triple row ducts, joints to b			
	above higher than ground level to prevent entry of water and dir			and approve
	drawings complete as per specifications. Case-III : Triple row for t	hree utility	y services.	
	(PWD SR 2018-19,SI.No.24.36)			
			5000	
	Basic Rate		5022	
	Maintenance -1st year escalation of 4%		200.88	
	Add 10% For area weightage (Mangalore City)		522.29	
		Rate	5745.17	
		Nate	57 - 5.17	
	Maintenance for 1st Year:			
	Providing and laying Dia 225mm HDPE Electrical pipe Conduits	with Silico	ore Lubricant inne	er laver with rib
				•
	dimensional ratio of 13.5, Deflection not greater than 5% when ex			
31	90°C under the over burden soil presuure and other physical prop	perties co	mforming to AST	MF 2160 and /
	NEMA TC7. The expected service life of HDPE pipe conduits and a	accessorie	es shall not be les	s than 50 years
	(Market Rate)			e than ee year
	Basic Rate (Without GST@18%)		1886	
	Labour Cost for laying and Jointing-KUWSDB,HDPE Pipes,Item		78	
			10	
	No.50,Pg.No.123)			
	Add 10% For area weightage (Mangalore City)		7.8	
	Sub Total		1971.8	
	Maintenance -1st year escalation of 4%		78.87	
			1001	
				_
		Rate	2050.67	Rm
32	Maintenance for 1st Year: Providing and laying Dia 160mm HDPE Electrical pipe Conduits dimensional ratio of 13.5,Deflection not greater than 5% when ex	with Silico	2050.67 pre Lubricant inne the normal opera	er layer with rib ting temparatu
32	Maintenance for 1st Year: Providing and laying Dia 160mm HDPE Electrical pipe Conduits dimensional ratio of 13.5,Deflection not greater than 5% when ex 90°C under the over burden soil presuure and other physical prop NEMA TC7.The expected service life of HDPE pipe conduits a	with Silico posed to perties co	2050.67 pre Lubricant inne the normal opera mforming to AST	er layer with rib ting temparatu MF 2160 and /
32	Maintenance for 1st Year: Providing and laying Dia 160mm HDPE Electrical pipe Conduits dimensional ratio of 13.5,Deflection not greater than 5% when ex 90°C under the over burden soil presuure and other physical prop	with Silico posed to perties co	2050.67 pre Lubricant inne the normal opera mforming to AST	er layer with rib ting temparatu MF 2160 and /
32	Maintenance for 1st Year: Providing and laying Dia 160mm HDPE Electrical pipe Conduits dimensional ratio of 13.5,Deflection not greater than 5% when ex 90°C under the over burden soil presuure and other physical prop NEMA TC7.The expected service life of HDPE pipe conduits a years.(Market Rate)	with Silico posed to perties co	2050.67 pre Lubricant inne the normal opera mforming to ASTI ssories shall not	er layer with rib ting temparatu MF 2160 and / be less than {
32	Maintenance for 1st Year: Providing and laying Dia 160mm HDPE Electrical pipe Conduits dimensional ratio of 13.5,Deflection not greater than 5% when ex 90°C under the over burden soil presuure and other physical prop NEMA TC7.The expected service life of HDPE pipe conduits a years.(Market Rate) Basic Rate (Without GST@18%)	with Silico posed to perties co	2050.67 Dre Lubricant inne the normal opera mforming to ASTI ssories shall not 996.3	er layer with rib ting temparatu MF 2160 and / be less than {
32	Maintenance for 1st Year: Providing and laying Dia 160mm HDPE Electrical pipe Conduits dimensional ratio of 13.5,Deflection not greater than 5% when ex 90°C under the over burden soil presuure and other physical prop NEMA TC7.The expected service life of HDPE pipe conduits a years.(Market Rate) Basic Rate (Without GST@18%) Labour Cost for laying and Jointing-KUWSDB,HDPE Pipes,Item	with Silico posed to perties co	2050.67 pre Lubricant inne the normal opera mforming to ASTI ssories shall not	er layer with rib ting temparatu MF 2160 and / be less than {
32	Maintenance for 1st Year: Providing and laying Dia 160mm HDPE Electrical pipe Conduits dimensional ratio of 13.5,Deflection not greater than 5% when ex 90°C under the over burden soil presuure and other physical prop NEMA TC7.The expected service life of HDPE pipe conduits a years.(Market Rate) Basic Rate (Without GST@18%)	with Silico posed to perties co	2050.67 Dre Lubricant inne the normal opera mforming to ASTI ssories shall not 996.3	er layer with rib ting temparatu MF 2160 and / be less than {
32	Maintenance for 1st Year: Providing and laying Dia 160mm HDPE Electrical pipe Conduits dimensional ratio of 13.5,Deflection not greater than 5% when ex 90°C under the over burden soil presuure and other physical prop NEMA TC7.The expected service life of HDPE pipe conduits a years.(Market Rate) Basic Rate (Without GST@18%) Labour Cost for laying and Jointing-KUWSDB,HDPE Pipes,Item No.50,Pg.No.123)	with Silico posed to perties co	2050.67 ore Lubricant inne the normal opera mforming to ASTI ssories shall not 996.3 66	er layer with rib ting temparatu MF 2160 and / be less than t
32	Maintenance for 1st Year: Providing and laying Dia 160mm HDPE Electrical pipe Conduits dimensional ratio of 13.5, Deflection not greater than 5% when ex 90°C under the over burden soil presuure and other physical prop NEMA TC7. The expected service life of HDPE pipe conduits a years. (Market Rate) Basic Rate (Without GST@18%) Labour Cost for laying and Jointing-KUWSDB, HDPE Pipes, Item No.50, Pg.No.123) Add 10% For area weightage (Mangalore City)	with Silico posed to perties co	2050.67 Dre Lubricant inne the normal opera mforming to ASTI ssories shall not 996.3 66	er layer with rib ting temparatu MF 2160 and / be less than {
32	Maintenance for 1st Year: Providing and laying Dia 160mm HDPE Electrical pipe Conduits dimensional ratio of 13.5,Deflection not greater than 5% when ex 90°C under the over burden soil presuure and other physical prop NEMA TC7.The expected service life of HDPE pipe conduits a years.(Market Rate) Basic Rate (Without GST@18%) Labour Cost for laying and Jointing-KUWSDB,HDPE Pipes,Item No.50,Pg.No.123) Add 10% For area weightage (Mangalore City) Sub Total	with Silico posed to perties co	2050.67 Dre Lubricant inne the normal opera mforming to ASTI ssories shall not 996.3 66 6.6 1068.9	er layer with rib ting temparatu MF 2160 and / be less than s
32	Maintenance for 1st Year: Providing and laying Dia 160mm HDPE Electrical pipe Conduits dimensional ratio of 13.5, Deflection not greater than 5% when ex 90°C under the over burden soil presuure and other physical prop NEMA TC7. The expected service life of HDPE pipe conduits a years. (Market Rate) Basic Rate (Without GST@18%) Labour Cost for laying and Jointing-KUWSDB, HDPE Pipes, Item No.50, Pg.No.123) Add 10% For area weightage (Mangalore City)	with Silico posed to perties co and acces	2050.67 Dre Lubricant inne the normal opera mforming to ASTI ssories shall not 996.3 66 66 1068.9 42.76	er layer with rib ting temparatu MF 2160 and / be less than s
32	Maintenance for 1st Year: Providing and laying Dia 160mm HDPE Electrical pipe Conduits dimensional ratio of 13.5,Deflection not greater than 5% when ex 90°C under the over burden soil presuure and other physical prop NEMA TC7.The expected service life of HDPE pipe conduits a years.(Market Rate) Basic Rate (Without GST@18%) Labour Cost for laying and Jointing-KUWSDB,HDPE Pipes,Item No.50,Pg.No.123) Add 10% For area weightage (Mangalore City) Sub Total	with Silico posed to perties co	2050.67 Dre Lubricant inne the normal opera mforming to ASTI ssories shall not 996.3 66 6.6 1068.9	er layer with rib ting temparatu MF 2160 and / be less than s
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32	Maintenance for 1st Year: Providing and laying Dia 160mm HDPE Electrical pipe Conduits dimensional ratio of 13.5,Deflection not greater than 5% when ex 90°C under the over burden soil presuure and other physical prop NEMA TC7.The expected service life of HDPE pipe conduits a years.(Market Rate) Basic Rate (Without GST@18%) Labour Cost for laying and Jointing-KUWSDB,HDPE Pipes,Item No.50,Pg.No.123) Add 10% For area weightage (Mangalore City) Sub Total Maintenance for 1st Year:	with Silico posed to perties co and acces Rate	2050.67 bre Lubricant inne the normal opera mforming to AST ssories shall not 996.3 66 66 1068.9 42.76 1111.66	er layer with rib ting temparatu MF 2160 and / be less than t
	Maintenance for 1st Year: Providing and laying Dia 160mm HDPE Electrical pipe Conduits dimensional ratio of 13.5,Deflection not greater than 5% when ex 90°C under the over burden soil presuure and other physical prop NEMA TC7.The expected service life of HDPE pipe conduits a years.(Market Rate) Basic Rate (Without GST@18%) Labour Cost for laying and Jointing-KUWSDB,HDPE Pipes,Item No.50,Pg.No.123) Add 10% For area weightage (Mangalore City) Sub Total Maintenance -1st year escalation of 4% Maintenance for 1st Year: Providing and Fixixng Spacers for Power Ducts of size 200 mm	with Silico posed to perties co and acces Rate	2050.67 bre Lubricant inne the normal opera mforming to AST ssories shall not 996.3 66 66 1068.9 42.76 1111.66	er layer with rib ting temparatu MF 2160 and / be less than t
32	Maintenance for 1st Year: Providing and laying Dia 160mm HDPE Electrical pipe Conduits dimensional ratio of 13.5,Deflection not greater than 5% when ex 90°C under the over burden soil presuure and other physical prop NEMA TC7.The expected service life of HDPE pipe conduits a years.(Market Rate) Basic Rate (Without GST@18%) Labour Cost for laying and Jointing-KUWSDB,HDPE Pipes,Item No.50,Pg.No.123) Add 10% For area weightage (Mangalore City) Sub Total Maintenance for 1st Year: Providing and Fixixng Spacers for Power Ducts of size 200 mm Spacers shall be made of ABS raw material.	with Silico posed to perties co and acces Rate	2050.67 bre Lubricant inne the normal opera mforming to AST ssories shall not 996.3 66 66 1068.9 42.76 1111.66	er layer with rib ting temparatu MF 2160 and / be less than t
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	Maintenance for 1st Year: Providing and laying Dia 160mm HDPE Electrical pipe Conduits dimensional ratio of 13.5,Deflection not greater than 5% when ex 90°C under the over burden soil presuure and other physical prop NEMA TC7.The expected service life of HDPE pipe conduits a years.(Market Rate) Basic Rate (Without GST@18%) Labour Cost for laying and Jointing-KUWSDB,HDPE Pipes,Item No.50,Pg.No.123) Add 10% For area weightage (Mangalore City) Sub Total Maintenance for 1st Year: Providing and Fixixng Spacers for Power Ducts of size 200 mm Spacers shall be made of ABS raw material. (Market rate) Basic Rate (Without GST@18%) Contractor Profit@10%	with Silico posed to perties co and acces Rate	2050.67 pre Lubricant inne the normal opera mforming to ASTI ssories shall not 996.3 66 066 1068.9 42.76 1111.66 placed at an interv 1003 100.3	er layer with rib ting temparatu MF 2160 and / be less than the Rm val of 1.5 mete
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33	Maintenance for 1st Year: Providing and laying Dia 160mm HDPE Electrical pipe Conduits dimensional ratio of 13.5,Deflection not greater than 5% when ex 90°C under the over burden soil presuure and other physical prop NEMA TC7.The expected service life of HDPE pipe conduits a years.(Market Rate) Basic Rate (Without GST@18%) Labour Cost for laying and Jointing-KUWSDB,HDPE Pipes,Item No.50,Pg.No.123) Add 10% For area weightage (Mangalore City) Sub Total Maintenance for 1st Year: Providing and Fixixng Spacers for Power Ducts of size 200 mm Spacers shall be made of ABS raw material. (Market rate) Basic Rate (Without GST@18%) Contractor Profit@10% Maintenance -1st year escalation of 4% Maintenance for 1st Year: Providing and Fixixng Spacers for Power Ducts of size 160 mm Spacers shall be made of ABS raw material.	with Silico posed to perties co and acces Rate , to be p	2050.67 pre Lubricant inne the normal opera mforming to ASTI ssories shall not 996.3 66 066 1068.9 42.76 1111.66 placed at an interv 1003 100.3 40.12 1143.42	er layer with rib ting temparatu MF 2160 and / be less than t Rm val of 1.5 mete
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33	Maintenance for 1st Year: Providing and laying Dia 160mm HDPE Electrical pipe Conduits dimensional ratio of 13.5,Deflection not greater than 5% when ex 90°C under the over burden soil presuure and other physical prop NEMA TC7.The expected service life of HDPE pipe conduits a years.(Market Rate) Basic Rate (Without GST@18%) Labour Cost for laying and Jointing-KUWSDB,HDPE Pipes,Item No.50,Pg.No.123) Add 10% For area weightage (Mangalore City) Sub Total Maintenance for 1st Year: Providing and Fixixng Spacers for Power Ducts of size 200 mm Spacers shall be made of ABS raw material. (Market rate) Basic Rate (Without GST@18%) Contractor Profit@10% Maintenance for 1st Year: Providing and Fixixng Spacers for Power Ducts of size 200 mm Spacers shall be made of ABS raw material. (Market rate) Maintenance for 1st Year: Providing and Fixixng Spacers for Power Ducts of size 160 mm Spacers shall be made of ABS raw material. (Market rate)	with Silico posed to perties co and acces Rate , to be p	2050.67 pre Lubricant inner the normal operar mforming to ASTI ssories shall not 996.3 66 1068.9 42.76 1111.66 placed at an interv 1003 100.3 40.12 1143.42 placed at an interv	er layer with rib ting temparatu MF 2160 and / be less than the Rm val of 1.5 meters val of 1.5 meters
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33	Maintenance for 1st Year: Providing and laying Dia 160mm HDPE Electrical pipe Conduits dimensional ratio of 13.5,Deflection not greater than 5% when ex 90°C under the over burden soil presuure and other physical prop NEMA TC7.The expected service life of HDPE pipe conduits a years.(Market Rate) Basic Rate (Without GST@18%) Labour Cost for laying and Jointing-KUWSDB,HDPE Pipes,Item No.50,Pg.No.123) Add 10% For area weightage (Mangalore City) Sub Total Maintenance for 1st Year: Providing and Fixixng Spacers for Power Ducts of size 200 mm Spacers shall be made of ABS raw material. (Market rate) Basic Rate (Without GST@18%) Contractor Profit@10% Maintenance for 1st Year: Providing and Fixixng Spacers for Power Ducts of size 160 mm Spacers shall be made of ABS raw material. (Market rate) Basic Rate (Without GST@18%) Contractor Profit@10% Maintenance for 1st Year: Providing and Fixixng Spacers for Power Ducts of size 160 mm Spacers shall be made of ABS raw material. (Market rate) Basic Rate (Without GST@18%) Contractor Profit@10% <td>with Silico posed to perties co and acces Rate , to be p</td> <td>2050.67 pre Lubricant inne the normal opera mforming to ASTI ssories shall not 996.3 66 1068.9 42.76 1111.66 placed at an interv 1003 100.3 40.12 1143.42 placed at an interv 1947 1947 194.7</td> <td>er layer with rib ting temparatu MF 2160 and / be less than the Rm val of 1.5 meters Nos. val of 1.5 meters</td>	with Silico posed to perties co and acces Rate , to be p	2050.67 pre Lubricant inne the normal opera mforming to ASTI ssories shall not 996.3 66 1068.9 42.76 1111.66 placed at an interv 1003 100.3 40.12 1143.42 placed at an interv 1947 1947 194.7	er layer with rib ting temparatu MF 2160 and / be less than the Rm val of 1.5 meters Nos. val of 1.5 meters

	Maintananaa far dat Vaar							
	Maintenance for 1st Year:	ubricant	inner lever for l	CT fibra achlaa				
	Supplying 7-way 40mm HDPE pipe Multi-way Duct Silicore L comforming to ASTMF 2160 and /or equivalent indian standard a							
35	and unloading at both destination and rolling, lowering into trend							
		Jies, aying	y true to life and	a jointing of pipe				
	etc.Complete.							
	(Market Rate)		504					
	Basic Rate (Without GST@18%)		561.7					
	Labour Cost for laying and Jointing-KUWSDB,HDPE Pipes,Item		36					
	No.50,Pg.No.123)							
	Add 10% For area weightage (Mangalore City)		3.6					
	Sub Total		601.3					
	Maintenance -1st year escalation of 4%		24.05					
		Rate	625.35	Rm				
	Maintenance for 1st Year:							
	Supplying and Application charges required for stamping the fresh							
36	included in this item) including finishing and colouring the top surfa							
	and size using approved colour shade and staping it using approve	ed stamp	pattern and antiqu	uitting it on top				
	with approved colour.Sealing entire area with concrete sealer.							
	Basic Rate (Without GST@18%)		624.00					
	Maintenance -1st year escalation of 4%		24.96					
	Add 10% For area weightage (Mangalore City)		64.9					
		Rate	713.86					
				• • • •				
	Maintenance for 1st Year:							
	Providing and laying heavy duty cobble stones 75mm thick, using	cement a	nd course sand fo	r manufacture of				
	blocks of approved size, shape and colour with a minimum con							
07		30mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force						
37	thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints							
37			compaction of pay					
37	into its final level, including cost of materials, labour and HOM of n		compaction of pay					
37			compaction of pay					
	into its final level, including cost of materials, labour and HOM of n (Page No 101,SI No : 14.7)		compaction of pay es complete as pe	r specifications.				
	into its final level, including cost of materials, labour and HOM of n (Page No 101,SI No : 14.7) Basic rate		compaction of pay es complete as pe 1114	r specifications.				
	into its final level, including cost of materials, labour and HOM of n (Page No 101,SI No : 14.7) Basic rate Maintenance -1st year escalation of 4%		compaction of pay es complete as pe 1114 44.56	r specifications.				
	into its final level, including cost of materials, labour and HOM of n (Page No 101,SI No : 14.7) Basic rate	nachinerie	compaction of pay as complete as pe 1114 44.56 115.86	r specifications.				
	into its final level, including cost of materials, labour and HOM of n (Page No 101,SI No : 14.7) Basic rate Maintenance -1st year escalation of 4%		compaction of pay es complete as pe 1114 44.56	r specifications.				
	into its final level, including cost of materials, labour and HOM of n (Page No 101,SI No : 14.7) Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City)	nachinerie	compaction of pay as complete as pe 1114 44.56 115.86	r specifications.				
	into its final level, including cost of materials, labour and HOM of n (Page No 101,SI No : 14.7) Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year:	Rate	compaction of paves complete as pe 1114 44.56 115.86 1274.42	r specifications.				
	into its final level, including cost of materials, labour and HOM of n (Page No 101,SI No : 14.7) Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRRB M500-17. Providing and laying dense graded bituminou	Rate us macad	compaction of paves complete as pe 1114 44.56 115.86 1274.42 lam using crushe	r specifications. Sqm d aggregates of				
	 into its final level, including cost of materials, labour and HOM of n (Page No 101,SI No : 14.7) Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRRB M500-17. Providing and laying dense graded bituminous specified grading, premixed with VG30 grade bituminous binder 	Rate us macad and, tran	compaction of paves complete as pe 1114 44.56 115.86 1274.42 lam using crushe	r specifications. Sqm d aggregates of mix to work site,				
37	 into its final level, including cost of materials, labour and HOM of n (Page No 101,SI No : 14.7) Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRRB M500-17. Providing and laying dense graded bituminous specified grading, premixed with VG30 grade bituminous binder laying to the required grade, level and alignment, rolling with smoother 	Rate Rate us macad and, tran oth wheel	compaction of pay es complete as pe 1114 44.56 115.86 1274.42 dam using crushe isporting the hot i ed, vibratory and t	r specifications. Sqm d aggregates of mix to work site, tandem rollers to				
	into its final level, including cost of materials, labour and HOM of n (Page No 101,SI No : 14.7) Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRRB M500-17. Providing and laying dense graded bituminous specified grading, premixed with VG30 grade bituminous binder laying to the required grade, level and alignment, rolling with smoo achieve the desired compaction as per MORTH table 500-10	Rate Rate us macad and, tran oth wheel complete	compaction of par es complete as pe 1114 44.56 115.86 1274.42 dam using crushe isporting the hot is ed, vibratory and the in all respects of	r specifications. Sqm d aggregates of mix to work site, tandem rollers to complete as per				
	 into its final level, including cost of materials, labour and HOM of n (Page No 101,SI No : 14.7) Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRRB M500-17. Providing and laying dense graded bituminous specified grading, premixed with VG30 grade bituminous binder laying to the required grade, level and alignment, rolling with smorachieve the desired compaction as per MORTH table 500-10 specifications MORTH Specification No. 507 -using 100/120 TF 	Rate Rate us macad and, tran oth wheel complete PH capac	compaction of pay es complete as pe 1114 44.56 115.86 1274.42 dam using crushe sporting the hot p ed, vibratory and t in all respects of ity H.M.P. with se	r specifications. Sqm d aggregates of mix to work site, tandem rollers to complete as per				
	 into its final level, including cost of materials, labour and HOM of n (Page No 101,SI No : 14.7) Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRRB M500-17. Providing and laying dense graded bituminous specified grading, premixed with VG30 grade bituminous binder laying to the required grade, level and alignment, rolling with smoorachieve the desired compaction as per MORTH table 500-10 specifications MORTH Specification No. 507 -using 100/120 TF (50 mm to 75 mm) with 4.5 % VG-30 Bitumen(KPWD 18-19,S.I.No.) 	Rate Rate us macad and, tran oth wheel complete PH capac	compaction of pay es complete as pe 1114 44.56 115.86 1274.42 dam using crushe isporting the hot is ed, vibratory and the in all respects of ity H.M.P. with se Page No.163)	specifications.				
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	into its final level, including cost of materials, labour and HOM of n (Page No 101,SI No : 14.7) Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRRB M500-17. Providing and laying dense graded bituminous specified grading, premixed with VG30 grade bituminous binder laying to the required grade, level and alignment, rolling with smoo achieve the desired compaction as per MORTH table 500-10 specifications MORTH Specification No. 507 -using 100/120 TF (50 mm to 75 mm) with 4.5 % VG-30 Bitumen(KPWD 18-19,S.I.No Basic rate Maintenance -1st year escalation of 4%	Rate Rate us macad and, tran oth wheel complete PH capac	compaction of payers complete as per 1114 44.56 115.86 1274.42 dam using crushers asporting the hot red, vibratory and for in all respects of ity H.M.P. with set Page No.163) 7839 313.56	r specifications. Sqm d aggregates of mix to work site, tandem rollers to complete as per ensor paver Gr-II				
	into its final level, including cost of materials, labour and HOM of n (Page No 101,SI No : 14.7) Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRRB M500-17. Providing and laying dense graded bituminous specified grading, premixed with VG30 grade bituminous binder laying to the required grade, level and alignment, rolling with smoo achieve the desired compaction as per MORTH table 500-10 specifications MORTH Specification No. 507 -using 100/120 TF (50 mm to 75 mm) with 4.5 % VG-30 Bitumen(KPWD 18-19,S.I.No	Rate Rate us macad and, tran oth wheel complete PH capac	compaction of paves complete as per 1114 1114 44.56 115.86 1274.42 dam using crusher isporting the hot red, vibratory and the in all respects of ity H.M.P. with set Page No.163) 7839 313.56 815.26	specifications.				
	into its final level, including cost of materials, labour and HOM of n (Page No 101,SI No : 14.7) Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRRB M500-17. Providing and laying dense graded bituminous specified grading, premixed with VG30 grade bituminous binder laying to the required grade, level and alignment, rolling with smoo achieve the desired compaction as per MORTH table 500-10 specifications MORTH Specification No. 507 -using 100/120 TF (50 mm to 75 mm) with 4.5 % VG-30 Bitumen(KPWD 18-19,S.I.No Basic rate Maintenance -1st year escalation of 4%	Rate Rate us macad and, tran oth wheel complete PH capac	compaction of payers complete as per 1114 44.56 115.86 1274.42 dam using crushers asporting the hot red, vibratory and for in all respects of ity H.M.P. with set Page No.163) 7839 313.56	specifications.				
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	into its final level, including cost of materials, labour and HOM of n (Page No 101,Sl No : 14.7) Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRRB M500-17. Providing and laying dense graded bituminous specified grading, premixed with VG30 grade bituminous binder laying to the required grade, level and alignment, rolling with smo achieve the desired compaction as per MORTH table 500-10 specifications MORTH Specification No. 507 -using 100/120 TF (50 mm to 75 mm) with 4.5 % VG-30 Bitumen(KPWD 18-19,S.I.No Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRRB M500-19. Providing and laying bituminous concrete 40 m	Rate Rate Rate Rate Rate Rate Rate mm thick	compaction of payers complete as per 1114 44.56 115.86 1274.42 dam using crushers asporting the hot red, vibratory and the in all respects of ity H.M.P. with ser Page No.163) 7839 313.56 815.26 8967.82 with hot mix plan	specifications.				
38	into its final level, including cost of materials, labour and HOM of n (Page No 101,Sl No : 14.7) Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRRB M500-17. Providing and laying dense graded bituminous specified grading, premixed with VG30 grade bituminous binder laying to the required grade, level and alignment, rolling with smou achieve the desired compaction as per MORTH table 500-10 specifications MORTH Specification No. 507 -using 100/120 TF (50 mm to 75 mm) with 4.5 % VG-30 Bitumen(KPWD 18-19,S.I.No Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRRB M500-19. Providing and laying bituminous concrete 40 maggregates of specified grading, premixed with bituminous binder	Rate Rate us macad and, tran oth wheel complete PH capac o.21.17.1, Rate mm thick r and fille	compaction of paves complete as per 1114 44.56 115.86 1274.42 lam using crusher isporting the hot red, vibratory and the in all respects of ity H.M.P. with set Page No.163) 7839 313.56 815.26 8967.82 with hot mix plan r, transporting the	specifications.				
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38	into its final level, including cost of materials, labour and HOM of n (Page No 101,SI No : 14.7) Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRRB M500-17. Providing and laying dense graded bituminous specified grading, premixed with VG30 grade bituminous binder laying to the required grade, level and alignment, rolling with smoo achieve the desired compaction as per MORTH table 500-10 specifications MORTH Specification No. 507 -using 100/120 TH (50 mm to 75 mm) with 4.5 % VG-30 Bitumen(KPWD 18-19,S.I.No Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRRB M500-19. Providing and laying bituminous concrete 40 m aggregates of specified grading, premixed with bituminous binde site, laying with a paver finisher to the required grade, level ar vibratory and tandem rollers to achieve the desired compaction as complete in all respects complete as per specifications. MORT capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 45 mm) with	Rate Rate Rate Rate Rate Rate Rate Rate	compaction of payes complete as per 1114 44.56 115.86 1274.42 dam using crushes asporting the hot red, vibratory and the in all respects of ity H.M.P. with sec Page No.163) 7839 313.56 815.26 8967.82 with hot mix planer, transporting the ent, rolling with as RTH specification of cation No. 509 -	specifications.				
38	into its final level, including cost of materials, labour and HOM of n (Page No 101,SI No : 14.7) Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRRB M500-17. Providing and laying dense graded bituminous specified grading, premixed with VG30 grade bituminous binder laying to the required grade, level and alignment, rolling with smore achieve the desired compaction as per MORTH table 500-10 specifications MORTH Specification No. 507 -using 100/120 TF (50 mm to 75 mm) with 4.5 % VG-30 Bitumen(KPWD 18-19,S.I.No Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRRB M500-19. Providing and laying bituminous concrete 40 magregates of specified grading, premixed with bituminous binde site, laying with a paver finisher to the required grade, level ar vibratory and tandem rollers to achieve the desired compaction as complete in all respects complete as per specifications. MORT	Rate Rate Rate Rate Rate Rate Rate Rate	compaction of payes complete as per 1114 44.56 115.86 1274.42 dam using crushes asporting the hot red, vibratory and the in all respects of ity H.M.P. with sec Page No.163) 7839 313.56 815.26 8967.82 with hot mix planer, transporting the ent, rolling with as RTH specification of cation No. 509 -	specifications.				
38	into its final level, including cost of materials, labour and HOM of n (Page No 101,SI No : 14.7) Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRRB M500-17. Providing and laying dense graded bituminous specified grading, premixed with VG30 grade bituminous binder laying to the required grade, level and alignment, rolling with smoo achieve the desired compaction as per MORTH table 500-10 specifications MORTH Specification No. 507 -using 100/120 TH (50 mm to 75 mm) with 4.5 % VG-30 Bitumen(KPWD 18-19,S.I.No Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRRB M500-19. Providing and laying bituminous concrete 40 m aggregates of specified grading, premixed with bituminous binde site, laying with a paver finisher to the required grade, level ar vibratory and tandem rollers to achieve the desired compaction as complete in all respects complete as per specifications. MORT capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 45 mm) with	Rate Rate Rate Rate Rate Rate Rate Rate	compaction of payes complete as per 1114 44.56 115.86 1274.42 dam using crusher asporting the hot need, vibratory and the in all respects of ity H.M.P. with ser Page No.163) 7839 313.56 815.26 8967.82 with hot mix plan r, transporting the ent, rolling with server RTH specification of cation No. 509 - 6-40 Bitumen	sqm sqm sqm sqm sqm sqm sqm sqm sqm sqm				
38	into its final level, including cost of materials, labour and HOM of n (Page No 101,SI No : 14.7) Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRRB M500-17. Providing and laying dense graded bituminous specified grading, premixed with VG30 grade bituminous binder laying to the required grade, level and alignment, rolling with smo- achieve the desired compaction as per MORTH table 500-10 specifications MORTH Specification No. 507 -using 100/120 TH (50 mm to 75 mm) with 4.5 % VG-30 Bitumen(KPWD 18-19,S.I.No Basic rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: KSRRB M500-19. Providing and laying bituminous concrete 40 for aggregates of specified grading, premixed with bituminous binde site, laying with a paver finisher to the required grade, level ar vibratory and tandem rollers to achieve the desired compaction as complete in all respects complete as per specifications. MORT capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 45 mm) wi	Rate Rate Rate Rate Rate Rate Rate Rate	compaction of paves complete as per 1114 44.56 115.86 1274.42 dam using crusher isporting the hot red, vibratory and red, vibratory and red in all respects of ity H.M.P. with sec Page No.163) 7839 313.56 815.26 8967.82 with hot mix plan r, transporting the ent, rolling with sec Cation No. 509 - 5-40 Bitumen 8761	sqm sqm sqm sqm sqm sqm sqm sqm sor paver of somplete as per ensor paver Gr-II complete as per ensor paver Gr-II square sor paver Gr-II square				

	Maintenance for 1st Year:		•	•			
	KSRRB M800 Road markers / Road stud KSRRB M800-35. Pro	viding and	fixing of road stu	d 100x 100 m			
40	diecast in aluminium, resistant to corrosive effect of salt and	•	•				
40							
	concrete or asphaltic surface by drilling hole 30 mm upto a depth of 60 mm and bedded in a suitabl						
	bituminous grout or epoxy mortar, all as per BS: 873 part 4:1973 of	complete a	as per specification	าร			
	Basic rate		289				
	Maintenance -1st year escalation of 4%		11.56				
		-					
	Add 10% For area weightage (Mangalore City)		30.06				
		Rate	330.62	Nos.			
	Maintenance for 1st Year:						
	Supply & Installation of Solar Raised Pavement Markers made	of polyca	arbonate molded h	odv with circu			
	shape, solar powered, LED self illumination in active mode, 360 d			•			
	micro prismatic lens in passive mode. The marker shall support		-				
	IRC 37 and shall be resistantto dust and water ingress accordi						
	which is conducted to check if solar road stud is protected from to	otal dust Ir	ngress and low pre	essure water			
	from any direction) standards and should withstand temperatures	in the ran	ae of 0 C to 70 C	Color of light			
41	could be provided in red or yellow (amber) as per requirement an		0	•			
••							
	should be current losses of less than 20 micro-amperes at 2.4 V i						
	the marker and a full charge should provide for a minimum au			•			
	length of the marker shall not be less than 10 mm x 100 mm x	100 mm.	Also, the surface	diameter of			
	marker shall not be less than 100 mm respectively. The weight o	f the mark	er shall not excee	d 0.5 Kilogra			
	Fixing will be by drilling holes on the road for the shanks to go			-			
	based adhesive as per manufacturer's recommendation and com			• • •			
	based adhesive as per manufacturer s recommendation, and con		incolou by the eng				
	Decis rate		0004	1			
	Basic rate		2961				
	Maintenance -1st year escalation of 4%		118.44				
	Add 10% For area weightage (Mangalore City)		307.94				
			307.94				
		Rate					
		Rate	3387.38				
		Rate					
	Maintenance for 1st Year:		3387.38	Nos.			
	Maintenance for 1st Year: Road Marking with hot applied Thermoplastic Compound wit	h Reflect	3387.38 rising Glass Bea	Nos. ds on Concr			
	Maintenance for 1st Year: Road Marking with hot applied Thermoplastic Compound wit Surface:Providing and laying of hot applied thermoplastic com	h Reflect	3387.38 rising Glass Bea 5mm thick includi	Nos. ds on Concr			
42	Maintenance for 1st Year: Road Marking with hot applied Thermoplastic Compound wit	h Reflect	3387.38 rising Glass Bea 5mm thick includi	Nos. ds on Concr			
42	Maintenance for 1st Year: Road Marking with hot applied Thermoplastic Compound wit Surface:Providing and laying of hot applied thermoplastic com glass beads at 250 gms and 2 ltr of primer per sqm area,thickne	h Reflect pound 2.8 ess of 2.5r	3387.38 rising Glass Bea 5mm thick includi nm is exclusive o	Nos. ds on Concr ing reflectoris f surface app			
42	Maintenance for 1st Year: Road Marking with hot applied Thermoplastic Compound wit Surface:Providing and laying of hot applied thermoplastic com glass beads at 250 gms and 2 ltr of primer per sqm area,thickne glass beads as per IRC:35.The finished surface to be level,unifo	h Reflect pound 2.8 ess of 2.5r	3387.38 rising Glass Bea 5mm thick includi nm is exclusive o	Nos. ds on Concr ing reflectoris f surface app			
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42	Maintenance for 1st Year: Road Marking with hot applied Thermoplastic Compound wit Surface:Providing and laying of hot applied thermoplastic com glass beads at 250 gms and 2 ltr of primer per sqm area,thickne glass beads as per IRC:35.The finished surface to be level,unifo as per specifications.MORTH specification No.803 (Page No 192,SI No : 24.57)	h Reflect pound 2.8 ess of 2.5r	3387.38 rising Glass Bea 5mm thick includi nm is exclusive of se from streak and	Nos. ds on Concr ing reflectoris f surface app d holes compl			
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42	Maintenance for 1st Year: Road Marking with hot applied Thermoplastic Compound wit Surface:Providing and laying of hot applied thermoplastic com glass beads at 250 gms and 2 ltr of primer per sqm area,thickned glass beads as per IRC:35.The finished surface to be level,unifo as per specifications.MORTH specification No.803 (Page No 192,SI No : 24.57) Basic Rate Maintenance -1st year escalation of 4%	h Reflect pound 2.8 ess of 2.5r	3387.38 rising Glass Bea 5mm thick includi nm is exclusive of ee from streak and 429 17.16	Nos. ds on Concr ing reflectoris f surface app d holes compl			
42	Maintenance for 1st Year: Road Marking with hot applied Thermoplastic Compound wit Surface:Providing and laying of hot applied thermoplastic com glass beads at 250 gms and 2 ltr of primer per sqm area,thickne glass beads as per IRC:35.The finished surface to be level,unifo as per specifications.MORTH specification No.803 (Page No 192,SI No : 24.57) Basic Rate	h Reflect pound 2.9 ess of 2.5r rm and fre	3387.38 rising Glass Bea 5mm thick includi nm is exclusive of se from streak and 429 17.16 44.62	Nos. ds on Concr ing reflectoris f surface app d holes compl			
42	Maintenance for 1st Year: Road Marking with hot applied Thermoplastic Compound wit Surface:Providing and laying of hot applied thermoplastic com glass beads at 250 gms and 2 ltr of primer per sqm area,thickned glass beads as per IRC:35.The finished surface to be level,unifo as per specifications.MORTH specification No.803 (Page No 192,SI No : 24.57) Basic Rate Maintenance -1st year escalation of 4%	h Reflect pound 2.8 ess of 2.5r	3387.38 rising Glass Bea 5mm thick includi nm is exclusive of ee from streak and 429 17.16	Nos. ds on Concr ing reflectoris f surface app d holes compl			
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	Maintenance for 1st Year: Road Marking with hot applied Thermoplastic Compound with Surface:Providing and laying of hot applied thermoplastic com glass beads at 250 gms and 2 ltr of primer per sqm area,thickned glass beads as per IRC:35.The finished surface to be level, unifor as per specifications.MORTH specification No.803 (Page No 192,SI No : 24.57) Basic Rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: Operation and Maintenance for eToilets Stainless Steel Public N BOQ Item No.45. Baisc rate Maintenance -1st year escalation of 4% Rate Approved as per EOI by MD MSCL Mangalore,Refer Sr.No.1	h Reflect pound 2.9 pound 2.9 rm and fre Rate	3387.38 rising Glass Bea 5mm thick includi nm is exclusive of se from streak and 429 17.16 44.62 490.78 specified in Road a 61200 2448	Nos. ds on Concr ing reflectoris f surface app d holes compl Sqm and Other wo			
	Maintenance for 1st Year: Road Marking with hot applied Thermoplastic Compound wit Surface:Providing and laying of hot applied thermoplastic com glass beads at 250 gms and 2 ltr of primer per sqm area,thickned glass beads as per IRC:35.The finished surface to be level, unifo as per specifications.MORTH specification No.803 (Page No 192,SI No : 24.57) Basic Rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: Operation and Maintenance for eToilets Stainless Steel Public N BOQ Item No.45. Baisc rate Maintenance -1st year escalation of 4% Rate Approved as per EOI by MD MSCL Mangalore,Refer Sr.No.1 Maintenance for 1st Year:	h Reflection pound 2.8 ess of 2.5r rm and free Rate Nodel as s Rate	3387.38 rising Glass Bea 5mm thick includi nm is exclusive of ee from streak and 429 17.16 44.62 490.78 specified in Road a 61200 2448 63648	Nos.			
43	Maintenance for 1st Year: Road Marking with hot applied Thermoplastic Compound wit Surface:Providing and laying of hot applied thermoplastic com glass beads at 250 gms and 2 ltr of primer per sqm area,thickne glass beads as per IRC:35.The finished surface to be level,unifo as per specifications.MORTH specification No.803 (Page No 192,SI No : 24.57) Basic Rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: Operation and Maintenance for eToilets Stainless Steel Public N BOQ Item No.45. Basic rate Maintenance -1st year escalation of 4% Rate Approved as per EOI by MD MSCL Mangalore,Refer Sr.No.1 Maintenance for 1st Year: Providing and fixing of S.S. Bollards(SS304) on footpath as specification of specificatication of specificaticatication of specification of specificaticati	h Reflection pound 2.8 ess of 2.5r rm and free Rate Nodel as s Rate	3387.38 rising Glass Bea 5mm thick includi nm is exclusive of ee from streak and 429 17.16 44.62 490.78 specified in Road a 61200 2448 63648	Nos.			
	Maintenance for 1st Year: Road Marking with hot applied Thermoplastic Compound wit Surface:Providing and laying of hot applied thermoplastic com glass beads at 250 gms and 2 ltr of primer per sqm area,thickned glass beads as per IRC:35.The finished surface to be level, unifo as per specifications.MORTH specification No.803 (Page No 192,SI No : 24.57) Basic Rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: Operation and Maintenance for eToilets Stainless Steel Public N BOQ Item No.45. Baisc rate Maintenance -1st year escalation of 4% Rate Approved as per EOI by MD MSCL Mangalore,Refer Sr.No.1 Maintenance for 1st Year:	h Reflection pound 2.8 ess of 2.5r rm and free Rate Nodel as s Rate	3387.38 rising Glass Bea 5mm thick includi nm is exclusive of ee from streak and 429 17.16 44.62 490.78 specified in Road a 61200 2448 63648	Nos.			
43	Maintenance for 1st Year: Road Marking with hot applied Thermoplastic Compound wit Surface:Providing and laying of hot applied thermoplastic com glass beads at 250 gms and 2 ltr of primer per sqm area,thickne glass beads as per IRC:35.The finished surface to be level,unifo as per specifications.MORTH specification No.803 (Page No 192,SI No : 24.57) Basic Rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: Operation and Maintenance for eToilets Stainless Steel Public N BOQ Item No.45. Basic rate Maintenance -1st year escalation of 4% Rate Approved as per EOI by MD MSCL Mangalore,Refer Sr.No.1 Maintenance for 1st Year: Providing and fixing of S.S. Bollards(SS304) on footpath as specification of specificatication of specificaticatication of specification of specificaticati	h Reflection pound 2.8 ess of 2.5r rm and free Rate Nodel as s Rate	3387.38 rising Glass Bea 5mm thick includi nm is exclusive of ee from streak and 429 17.16 44.62 490.78 specified in Road a 61200 2448 63648	Nos.			
43	Maintenance for 1st Year: Road Marking with hot applied Thermoplastic Compound wit Surface:Providing and laying of hot applied thermoplastic com glass beads at 250 gms and 2 ltr of primer per sqm area,thickne glass beads as per IRC:35.The finished surface to be level,unifo as per specifications.MORTH specification No.803 (Page No 192,SI No : 24.57) Basic Rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: Operation and Maintenance for eToilets Stainless Steel Public N BOQ Item No.45. Baisc rate Maintenance -1st year escalation of 4% Rate Approved as per EOI by MD MSCL Mangalore,Refer Sr.No.1 Maintenance for 1st Year: Providing and fixing of S.S. Bollards(SS304) on footpath as specific (NON SOR Item)	h Reflection pound 2.8 ess of 2.5r rm and free Rate Nodel as s Rate	3387.38 rising Glass Bea 5mm thick includi nm is exclusive of ee from streak and 429 17.16 44.62 490.78 specified in Road a 61200 2448 63648	Nos. ds on Concr ing reflectoris f surface app holes compl Sqm and Other wo Nos. er -in-charge			
43	Maintenance for 1st Year: Road Marking with hot applied Thermoplastic Compound wit Surface:Providing and laying of hot applied thermoplastic com glass beads at 250 gms and 2 ltr of primer per sqm area,thickne glass beads as per IRC:35.The finished surface to be level,unifo as per specifications.MORTH specification No.803 (Page No 192,SI No : 24.57) Basic Rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: Operation and Maintenance for eToilets Stainless Steel Public N BOQ Item No.45. Baisc rate Maintenance -1st year escalation of 4% Rate Approved as per EOI by MD MSCL Mangalore,Refer Sr.No.1 Maintenance for 1st Year: Providing and fixing of S.S. Bollards(SS304) on footpath as specific (NON SOR Item) Rate Approved as per EOI by MD MSCL Mangalore,Refer	h Reflection pound 2.8 ess of 2.5r rm and free Rate Nodel as s Rate	3387.38 rising Glass Bea 5mm thick includi nm is exclusive of ee from streak and 429 17.16 44.62 490.78 specified in Road a 61200 2448 63648	Nos. ds on Concr ing reflectoris f surface app holes compl Sqm and Other wo Nos. er -in-charge			
43	Maintenance for 1st Year: Road Marking with hot applied Thermoplastic Compound wit Surface:Providing and laying of hot applied thermoplastic com glass beads at 250 gms and 2 ltr of primer per sqm area,thickned glass beads as per IRC:35.The finished surface to be level, uniforas per specifications.MORTH specification No.803 (Page No 192,SI No : 24.57) Basic Rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: Operation and Maintenance for eToilets Stainless Steel Public N BOQ Item No.45. Baisc rate Maintenance -1st year escalation of 4% Rate Approved as per EOI by MD MSCL Mangalore,Refer Sr.No.1 Maintenance for 1st Year: Providing and fixing of S.S. Bollards(SS304) on footpath as specific (NON SOR Item) Rate Approved as per EOI by MD MSCL Mangalore,Refer Sr.No.13	h Reflection pound 2.8 ess of 2.5r rm and free Rate Nodel as s Rate	3387.38 rising Glass Bea 5mm thick includi nm is exclusive of ee from streak and 429 17.16 44.62 490.78 specified in Road 61200 2448 63648 lirected by Engined 4500.00	Nos.			
43	Maintenance for 1st Year: Road Marking with hot applied Thermoplastic Compound wit Surface:Providing and laying of hot applied thermoplastic com glass beads at 250 gms and 2 ltr of primer per sqm area,thickne glass beads as per IRC:35.The finished surface to be level,unifo as per specifications.MORTH specification No.803 (Page No 192,SI No : 24.57) Basic Rate Maintenance -1st year escalation of 4% Add 10% For area weightage (Mangalore City) Maintenance for 1st Year: Operation and Maintenance for eToilets Stainless Steel Public N BOQ Item No.45. Baisc rate Maintenance -1st year escalation of 4% Rate Approved as per EOI by MD MSCL Mangalore,Refer Sr.No.1 Maintenance for 1st Year: Providing and fixing of S.S. Bollards(SS304) on footpath as specific (NON SOR Item) Rate Approved as per EOI by MD MSCL Mangalore,Refer	h Reflection pound 2.8 ess of 2.5r rm and free Rate Nodel as s Rate	3387.38 rising Glass Bea 5mm thick includi nm is exclusive of ee from streak and 429 17.16 44.62 490.78 specified in Road a 61200 2448 63648 lirected by Engined 4500.00 180	Nos.			

11-	Providing and fixing of railing as detail design in MS HOLLOW SECTION and bars (shop drawing to be						
45	approved),with vertical support of 0.9m @2.2mc/c , all complete t architect.(Non SOR Item)	to the satisf	action of the La	andscape			
	Rate Approved as per EOI by MD MSCL Mangalore,Refer						
	Sr.No.26		100000.00				
	Maintenance -1st year escalation of 4%		4000				
		Rate	104000	МТ			
	Maintenance for 1st Year:						
		ndition from	a aanal had inal	udina dianasi			
	Excavation and removal of silt and silt mixed with sand in slussy co off the same in spoil bank or on the canal embankment in layers as						
46	m and all lifts. For Desilting of drains and grit chambers including of machineries with all lead and lifts, labour charges including implem	cost of all m entation of	aterials, scaffol Environmental a	ding HOM of and Social			
	Safeguards & as per design, drawing, technical specifications and o	directions o	f Engineer-in-ch	narge.			
	Basic Rate		179.00				
	Maintenance -1st year escalation of 4%		7.16				
		Rate	186.16	Nos.			
	Maintenance for 1st Year:						
47	Extra Lead for Disposing off unserviceable materials upto 10 Km beyond initial Lead Item No 17.4 KSRRB M100-4.1-Earth						
	Earth	2.0x1	.28x10km				
	Baisc rate		25.60				
	Add Loading and unloading charges(Item No 17.1 KSRRB M100-						
	1)		68.00				
	Sub Total-1		93.60				
	Add 10% For area weightage (Mangalore City)		9.36				
	Sub Total-2		102.96				
	Maintenance -1st year escalation of 4%		4.12				
		Rate	107.08	Cum			
	Maintenance for fot Veer	Maintenance for 1st Year:					
10		ovond initia	Lood				
48	Extra Lead for Disposing off unserviceable materials upto 10 Km be	eyond initia	l Lead				
48	Extra Lead for Disposing off unserviceable materials upto 10 Km be Item No 17.4 KSRRB M100-4.1-Debris	-					
48	Extra Lead for Disposing off unserviceable materials upto 10 Km be Item No 17.4 KSRRB M100-4.1-Debris Debris	-	.30x10Km				
48	Extra Lead for Disposing off unserviceable materials upto 10 Km be Item No 17.4 KSRRB M100-4.1-Debris Debris Baisc rate	-					
48	Extra Lead for Disposing off unserviceable materials upto 10 Km be Item No 17.4 KSRRB M100-4.1-Debris Debris Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100-	-	.30x10Km 26.00				
48	Extra Lead for Disposing off unserviceable materials upto 10 Km be Item No 17.4 KSRRB M100-4.1-Debris Debris Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100- 1)	-	.30x10Km 26.00 68.00				
48	Extra Lead for Disposing off unserviceable materials upto 10 Km be Item No 17.4 KSRRB M100-4.1-Debris Debris Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100- 1) Sub Total-1	-	.30x10Km 26.00 68.00 94.00				
48	Extra Lead for Disposing off unserviceable materials upto 10 Km be Item No 17.4 KSRRB M100-4.1-Debris Debris Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100- 1) Sub Total-1 Add 10% For area weightage (Mangalore City)	-	.30x10Km 26.00 68.00 94.00 9.4				
48	Extra Lead for Disposing off unserviceable materials upto 10 Km be Item No 17.4 KSRRB M100-4.1-Debris Debris Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100- 1) Sub Total-1 Add 10% For area weightage (Mangalore City) Sub Total-2	-	.30x10Km 26.00 68.00 94.00 9.4 103.40				
48	Extra Lead for Disposing off unserviceable materials upto 10 Km be Item No 17.4 KSRRB M100-4.1-Debris Debris Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100- 1) Sub Total-1 Add 10% For area weightage (Mangalore City)	2.0x1	.30x10Km 26.00 68.00 94.00 9.4 103.40 4.14	Cum			
48	Extra Lead for Disposing off unserviceable materials upto 10 Km be Item No 17.4 KSRRB M100-4.1-Debris Debris Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100- 1) Sub Total-1 Add 10% For area weightage (Mangalore City) Sub Total-2 Maintenance -1st year escalation of 4%	-	.30x10Km 26.00 68.00 94.00 9.4 103.40	Cum			
48	Extra Lead for Disposing off unserviceable materials upto 10 Km be Item No 17.4 KSRRB M100-4.1-Debris Debris Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100- 1) Sub Total-1 Add 10% For area weightage (Mangalore City) Sub Total-2 Maintenance -1st year escalation of 4% Lighting Poles	2.0x1	.30x10Km 26.00 68.00 94.00 9.4 103.40 4.14	Cum			
48	Extra Lead for Disposing off unserviceable materials upto 10 Km be Item No 17.4 KSRRB M100-4.1-Debris Debris Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100- 1) Sub Total-1 Add 10% For area weightage (Mangalore City) Sub Total-2 Maintenance -1st year escalation of 4% Lighting Poles Maintenance for 1st Year:	2.0x1	.30x10Km 26.00 68.00 94.00 9.4 103.40 4.14	Cum			
48	Extra Lead for Disposing off unserviceable materials upto 10 Km be Item No 17.4 KSRRB M100-4.1-Debris Debris Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100- 1) Sub Total-1 Add 10% For area weightage (Mangalore City) Sub Total-2 Maintenance -1st year escalation of 4% Lighting Poles Maintenance for 1st Year: Dismantling of pole/ street light standard/ strut embedded in cemer	2.0x1	.30x10Km 26.00 68.00 94.00 9.4 103.40 4.14	Cum			
	Extra Lead for Disposing off unserviceable materials upto 10 Km be Item No 17.4 KSRRB M100-4.1-Debris Debris Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100- 1) Sub Total-1 Add 10% For area weightage (Mangalore City) Sub Total-2 Maintenance -1st year escalation of 4% Lighting Poles Maintenance for 1st Year:	2.0x1	.30x10Km 26.00 68.00 94.00 9.4 103.40 4.14	Cum			
	Extra Lead for Disposing off unserviceable materials upto 10 Km be Item No 17.4 KSRRB M100-4.1-Debris Debris Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100- 1) Sub Total-1 Add 10% For area weightage (Mangalore City) Sub Total-2 Maintenance -1st year escalation of 4% Lighting Poles Maintenance for 1st Year: Dismantling of pole/ street light standard/ strut embedded in cemer foundation etc. as required (Delhi analysis of rates E & M 2016, item 12.42, pg 395))	2.0x1	.30x10Km 26.00 68.00 94.00 9.4 103.40 4.14 107.54	Cum			
	Extra Lead for Disposing off unserviceable materials upto 10 Km be Item No 17.4 KSRRB M100-4.1-Debris Debris Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100- 1) Sub Total-1 Add 10% For area weightage (Mangalore City) Sub Total-2 Maintenance -1st year escalation of 4% Lighting Poles Maintenance for 1st Year: Dismantling of pole/ street light standard/ strut embedded in cemer foundation etc. as required (Delhi analysis of rates E & M 2016, item 12.42, pg 395)) Basic Rate	2.0x1	.30x10Km 26.00 68.00 94.00 9.4 103.40 4.14 107.54				
	Extra Lead for Disposing off unserviceable materials upto 10 Km be Item No 17.4 KSRRB M100-4.1-Debris Debris Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100- 1) Sub Total-1 Add 10% For area weightage (Mangalore City) Sub Total-2 Maintenance -1st year escalation of 4% Lighting Poles Maintenance for 1st Year: Dismantling of pole/ street light standard/ strut embedded in cemer foundation etc. as required (Delhi analysis of rates E & M 2016, item 12.42, pg 395))	2.0x1	.30x10Km 26.00 68.00 94.00 9.4 103.40 4.14 107.54				

	Maintenance for 1st Year:						
	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,						
50	bakelite sheet and MCBs as per IS specifications suitable for wind section and single joint welded as per IS 9595/IS 10178 AWG havi	speed of	47 m/sec for 5 m	pole in single			
	mm with 3 mm thick, suitable base plate and 4 nos. of long J bc	olts along	with template and	the pole shall			
	be hot dip galvanized in single dipping with not less than 65 micron (excluding foundation) as per drawing appended	as per A	STM - A123 and 7	153 etc.,			
	(Ref Electrical SOR SI No. 5.14.5)						
	Basic rate		12420				
	Maintenance -1st year escalation of 4%	Poto	496.8				
	Maintenance for 1st Year:	Rate	12,916.80	NOS.			
	Lighting Pole, 4 m						
	Fabrication, supply and erection of 4 meters long hot dip Galvanise 355 JO steel plate for shaft, IS 2062 for base plate with door openi	ng arrang	ement, icluding si	uitable boards,			
51	bakelite sheet and MCBs as per IS specifications suitable for wind						
0.	section and single joint welded as per IS 9595/IS 10178 AWG havi mm with 3 mm thick, suitable base plate and 4 nos. of long J bolts						
	hot dip galvanized in single dipping with not less than 65 micron as	•					
	foundation) as per drawing appended						
	(Ref Electrical SOR SI No.5.14.2)	ГГ		Γ			
	Basic rate		7398				
	Maintenance -1st year escalation of 4%	Rate	295.92 7,693.92				
	Maintenance for 1st Year:	Nate	1,000.02	1103.			
	Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for	outdoor lu	uminaries and mo	unted on			
52	Octagonal pole using necessary bolts, nuts, etc. complete						
	Double Cross arm - 1500 mm						
	(Ref Electrical SOR SI No.5.18.5)						
	Basic rate		3540				
			141.6				
	Basic rate Maintenance -1st year escalation of 4%	Rate					
	Basic rate Maintenance -1st year escalation of 4% Maintenance for 1st Year:		141.6 3,681.60	Nos.			
	Basic rate Maintenance -1st year escalation of 4% Maintenance for 1st Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for		141.6 3,681.60	Nos.			
53	Basic rate Maintenance -1st year escalation of 4% Maintenance for 1st Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete		141.6 3,681.60	Nos.			
53	Basic rate Maintenance -1st year escalation of 4% Maintenance for 1st Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Single Cross arm - 1500 mm		141.6 3,681.60	Nos.			
53	Basic rate Maintenance -1st year escalation of 4% Maintenance for 1st Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete		141.6 3,681.60 uminaries and mo	Nos. unted on			
53	Basic rate Maintenance -1st year escalation of 4% Maintenance for 1st Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Single Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.2)		141.6 3,681.60	Nos. unted on			
53	Basic rate Maintenance -1st year escalation of 4% Maintenance for 1st Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Single Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.2) Basic rate		141.6 3,681.60 uminaries and mo 2400	Nos. unted on			
53	Basic rate Maintenance -1st year escalation of 4% Maintenance for 1st Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Single Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.2) Basic rate Maintenance -1st year escalation of 4% Maintenance for 1st Year:	outdoor lu	141.6 3,681.60 uminaries and mo 2400 96 2,496	Nos. unted on Nos.			
	Basic rate Maintenance -1st year escalation of 4% Maintenance for 1st Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Single Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.2) Basic rate Maintenance for 1st Year: Painting of Existing street light pole after scrapping the old paint and	outdoor lu Rate	141.6 3,681.60 uminaries and mo 2400 96 2,496	Nos. unted on Nos.			
53	Basic rate Maintenance -1st year escalation of 4% Maintenance for 1st Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Single Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.2) Basic rate Maintenance for 1st Year: Painting of Existing street light pole after scrapping the old paint an including coping/footing of the pole8mtr and above street light pol	outdoor lu Rate	141.6 3,681.60 uminaries and mo 2400 96 2,496	Nos. unted on Nos.			
	Basic rate Maintenance -1st year escalation of 4% Maintenance for 1st Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Single Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.2) Basic rate Maintenance for 1st Year: Painting of Existing street light pole after scrapping the old paint an including coping/footing of the pole8mtr and above street light pol (Ref Electrical SOR SI No.16.28.2)	outdoor lu Rate	<u>141.6</u> 3,681.60 uminaries and mo <u>2400</u> 96 2,496 with suitable colo	Nos. unted on Nos. our enamel			
	Basic rate Maintenance -1st year escalation of 4% Maintenance for 1st Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Single Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.2) Basic rate Maintenance for 1st Year: Painting of Existing street light pole after scrapping the old paint an including coping/footing of the pole8mtr and above street light pol (Ref Electrical SOR SI No.16.28.2) Basic rate	outdoor lu Rate	141.6 3,681.60 uminaries and mo 2400 96 2,496 with suitable colo	Nos. unted on Nos. our enamel			
	Basic rate Maintenance -1st year escalation of 4% Maintenance for 1st Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Single Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.2) Basic rate Maintenance for 1st Year: Painting of Existing street light pole after scrapping the old paint an including coping/footing of the pole8mtr and above street light pol (Ref Electrical SOR SI No.16.28.2)	outdoor lu Rate Ind painted e	141.6 3,681.60 uminaries and mo 2400 96 2,496 with suitable colo 620 24.8	Nos. unted on Nos. our enamel			
	Basic rate Maintenance -1st year escalation of 4% Maintenance for 1st Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Single Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.2) Basic rate Maintenance for 1st Year: Painting of Existing street light pole after scrapping the old paint an including coping/footing of the pole8mtr and above street light pol (Ref Electrical SOR SI No.16.28.2) Basic rate	outdoor lu Rate	141.6 3,681.60 uminaries and mo 2400 96 2,496 with suitable colo 620 24.8	Nos. unted on Nos. our enamel			
	Basic rate Maintenance -1st year escalation of 4% Maintenance for 1st Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Single Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.2) Basic rate Maintenance for 1st Year: Painting of Existing street light pole after scrapping the old paint an including coping/footing of the pole8mtr and above street light pol (Ref Electrical SOR SI No.16.28.2) Basic rate Maintenance for 1st Year: Painting of Existing street light pole after scrapping the old paint an including coping/footing of the pole8mtr and above street light pol (Ref Electrical SOR SI No.16.28.2) Basic rate Maintenance -1st year escalation of 4%	outdoor lu Rate Ind painted e	141.6 3,681.60 uminaries and mo 2400 96 2,496 with suitable colo 620 24.8	Nos. unted on Nos. our enamel			
	Basic rate Maintenance -1st year escalation of 4% Maintenance for 1st Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Single Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.2) Basic rate Maintenance for 1st Year: Painting of Existing street light pole after scrapping the old paint an including coping/footing of the pole8mtr and above street light pol (Ref Electrical SOR SI No.16.28.2) Basic rate Maintenance for 1st Year: Painting of Existing street light pole after scrapping the old paint an including coping/footing of the pole8mtr and above street light pol (Ref Electrical SOR SI No.16.28.2) Basic rate Maintenance -1st year escalation of 4% Oudoor Box and Switch Gear Maintenance for 1st Year: Supply, installation, testing and commissioning of outdoor junction	outdoor lu Rate Id painted e Rate	141.6 3,681.60 uminaries and mo 2400 96 2,496 with suitable colo 620 24.8 645	Nos. unted on Nos. our enamel			
54	Basic rate Maintenance -1st year escalation of 4% Maintenance for 1st Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Single Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.2) Basic rate Maintenance for 1st Year: Painting of Existing street light pole after scrapping the old paint an including coping/footing of the pole8mtr and above street light pol (Ref Electrical SOR SI No.16.28.2) Basic rate Maintenance -1st year escalation of 4% Oudoor Box and Switch Gear Maintenance for 1st Year: Supply, installation, testing and commissioning of outdoor junction required accessories and componenets	outdoor lu Rate Id painted e Rate	141.6 3,681.60 uminaries and mo 2400 96 2,496 with suitable colo 620 24.8 645 ounting MCB/Cor	Nos. Unted on Nos. Unted on Nos. Unter enamel Nos. Unter enamel Nos. Unter enamel			
54	Basic rate Maintenance -1st year escalation of 4% Maintenance for 1st Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Single Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.2) Basic rate Maintenance for 1st Year: Painting of Existing street light pole after scrapping the old paint an including coping/footing of the pole8mtr and above street light pol (Ref Electrical SOR SI No.16.28.2) Basic rate Maintenance -1st year escalation of 4% Oudoor Box and Switch Gear Maintenance for 1st Year: Supply, installation, testing and commissioning of outdoor junction required accessories and componenets Price list (Considering 30% discount , 18% GST & 10% profit)	outdoor lu Rate Id painted e Rate	141.6 3,681.60 uminaries and mo 2400 96 2,496 with suitable colo 620 24.8 645 ounting MCB/Cor 11782.92	Nos. Unted on Nos. Unted on Nos. Nos. Nos. Nos.			
54	Basic rate Maintenance -1st year escalation of 4% Maintenance for 1st Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Single Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.2) Basic rate Maintenance for 1st Year: Painting of Existing street light pole after scrapping the old paint an including coping/footing of the pole8mtr and above street light pol (Ref Electrical SOR SI No.16.28.2) Basic rate Maintenance -1st year escalation of 4% Oudoor Box and Switch Gear Maintenance for 1st Year: Supply, installation, testing and commissioning of outdoor junction required accessories and componenets	outdoor lu Rate Id painted e Rate	141.6 3,681.60 uminaries and mo 2400 96 2,496 with suitable colo 620 24.8 645 ounting MCB/Cor	Nos. Unted on Nos. Unted on Nos. Unter enamel Nos. Unter enamel Nos. Unter enamel Nos. Unter enamel Nos. Unter enamel Unte			

56	Maintenance for 1st Year: Supply and fixing of miniature circuit breaker on exisiting board usi curve, indicator ON/OFF, energy cross-3 with short circuit breaking required confirming to IEC 60898 5- 32A TPN				
	Electrical SOR- 6.16.5)				
	Basic rate		1547		
	Maintenance -1st year escalation of 4%		61.88		
		Rate	1,609	Nos.	
	LT Cable				
57	Maintenance for 1st Year: Supplying of 1.1 kV LT cable having aluminium conductor PVC ins galvanised, steel strips (except 2C x 10 sq. mm wire armoured) as sheathed armoured cable as per IS - 1554 Part 1:1988 & conformin 4 Core x16 Sq.mm PVC Aluminium Conductor, (Ref Electrical SOR SI No.7.5,7.5.4)	per IS-39	975:1990 and extr P of GROUP B	uded PVC outer	
	Basic rate		117		
	Maintenance -1st year escalation of 4%		4.68		
		Rate	121.68	Rm	
58	Maintenance for 1st Year: Supply and drawing flexible multicore cable with electrolyte grade f conforming to Table 3 Class 5 of IS:8130-1984 and vargin PVC ins voltage up to 1100 V as per IS-694:1990 and conforming to GTP of 3C x 2.5 sq. mm (Ref. Electrical SOR 2.8.8)	sulation a	nd sheathed suital A.	ble for working	
	Basic rate		81.6		
	Maintenance -1st year escalation of 4%		3.26		
		Rate	84.86	Rm	
59	Maintenance for 1st Year: Supplying tinned copper lugs and crimping and wiring to terminal p 16 Sq.mm PVC Aluminium Conductor (Ref Electrical SOR SI No.7.21,7.21.6)	oint for w		es	
	Basic rate		11.31		
	Maintenance -1st year escalation of 4%	D at a	0.45		
		Rate	11.76	NOS.	
60	Maintenance for 1st Year: Supplying tinned copper lugs and crimping and wiring to terminal p 2.5 sq. mm copper conductor (Ref Electrical SOR SI No.7.21.2)	oint for w			
	Basic rate		3.12		
	Maintenance -1st year escalation of 4%		0.12		
		Rate	3.24	Nos.	
61	Maintenance for 1st Year: 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)				
	Basic rate		5500		
	Maintenance -1st year escalation of 4%		220		
	-	Rate	5720	Kit	
62	Maintenance for 1st Year: Supply and running GI conductor for grounding and (along with oth necessasary suitable size clamps, nails, guttas/spacers etc-8 SWC (Ref Electrical SOR SI No.7.22.3)		n conduits system	of wiring) using	

Ma	sic rate		19.5	
	aintenance -1st year escalation of 4%		0.78	
		Rate	20.28	Rmt
	aintenance for 1st Year:			
63 Su	pplying and stacking of good earth at site including royalty ar	nd carriage	upto 5 k.m. lead	complete (ea
me	easured in stacks will be reduced by 20% for payment).			
	on SOR Item)			-
Ra	te Approved as per EOI by MD MSCL Mangalore,Refer			
Sr	.No.27		140.00	
Ma	aintenance -1st year escalation of 4%		5.6	
	i	Rate	145.60	Cum
Ma	aintenance for 1st Year:			
	SRRB M300-Supply at site of work well decayed farm yard man	ure KSRRB	M300-11 Suppl	v at site of wo
	Il decayed farm yard manure, from any available source, appro			
				je including
	reening and stackin complete as per specifications. MORTH S	pecification i	No. 308.2(Page	
NC	o.152,SI.No.19.90)			
Ba	isic rate		204	
	aintenance -1st year escalation of 4%		8.16	
	Id 10% For area weightage		21.22	
	a to to to a lea weightage	Rate	233.38	
	intenence for det Vee	Nale	233.38	Cull
	aintenance for 1st Year:			
KS	SRRB M300-Horticulture KSRRB M300-Spreading of sludge far	rm yard man	iure or/ and good	l earth KSRRI
M	300-1. Spreading of sludge farm yard manure or/ and good ear	th in required	d thickness (cost	of sludge, far
	rd manure or/and good earth to be paid for separately) complet			
	pecification No. 307			
(N	PWD SR 16-17,Page No.150,SI No.19.77)			
	isic rate		103	
Ma	aintenance -1st year escalation of 4%		4.12	
	ld 10% For area wightage		10.71	
	<u> </u>	Rate	117.83	
Ma	aintenance for 1st Year:			••••
	xing earth and sludge or manure in the required proportion spe	oified or dire	otod by the Offic	or in oborgo
	on SOR item)			ei-iii-chaige
(1)	JII SOK IIEIII)			
Ra	te Approved as per EOI by MD MSCL Mangalore,Refer		22.01	
•	.No.28		23.91	
Sr				
	aintenance -1st year escalation of 4%		0.96	
	aintenance -1st year escalation of 4%	Rate	0.96	
	aintenance -1st year escalation of 4%	Rate	0.96 24.87	
Ma		Rate		
Ma Ma	aintenance for 1st Year:		24.87	Cum
Ma Ma Ma	aintenance for 1st Year: aintenance of lawns or Turfing of slopes (rough grassing) for	a period of	24.87 one year includ	Cum ling watering
Ма Ма 67 ^{СО}	aintenance for 1st Year: aintenance of lawns or Turfing of slopes (rough grassing) for mplete including cost of all materials, scaffolding HOM of mac	a period of	24.87 one year incluc all lead and lifts	Cum ling watering s, labour charg
Ма Ма 67 ^{СО}	aintenance for 1st Year: aintenance of lawns or Turfing of slopes (rough grassing) for	a period of	24.87 one year incluc all lead and lifts	Cum ling watering s, labour charg
67 Ma	aintenance for 1st Year: aintenance of lawns or Turfing of slopes (rough grassing) for mplete including cost of all materials, scaffolding HOM of mac	a period of	24.87 one year incluc all lead and lifts	Cum ling watering s, labour charg
67 Ma	aintenance for 1st Year: aintenance of lawns or Turfing of slopes (rough grassing) for mplete including cost of all materials, scaffolding HOM of mac cluding implementation of Environmental and Social Safegu ecifications and directions of Engineer-in-charge.	a period of	24.87 one year incluc all lead and lifts per design, dr	Cum ling watering s, labour charg awing, techni
67 Ma 67 Ba Ba	aintenance for 1st Year: aintenance of lawns or Turfing of slopes (rough grassing) for mplete including cost of all materials, scaffolding HOM of mac cluding implementation of Environmental and Social Safegu ecifications and directions of Engineer-in-charge.	a period of	24.87 one year incluct all lead and lifts per design, dr 103	Cum ling watering s, labour charg awing, techni
67 Ma 67 CO inc sp Ba Ma	aintenance for 1st Year: aintenance of lawns or Turfing of slopes (rough grassing) for mplete including cost of all materials, scaffolding HOM of mac cluding implementation of Environmental and Social Safegu ecifications and directions of Engineer-in-charge.	a period of	24.87 one year incluct all lead and lifts per design, dr 103 4.12	Cum ling watering s, labour charg awing, techni
67 Ma 67 CO inc sp Ba Ma	aintenance for 1st Year: aintenance of lawns or Turfing of slopes (rough grassing) for mplete including cost of all materials, scaffolding HOM of mac cluding implementation of Environmental and Social Safegu ecifications and directions of Engineer-in-charge.	a period of	24.87 one year incluct all lead and lifts per design, dr 103	Cum ling watering s, labour charg awing, techni
67 Ma 67 CO inc sp Ba Ma	aintenance for 1st Year: aintenance of lawns or Turfing of slopes (rough grassing) for mplete including cost of all materials, scaffolding HOM of mac cluding implementation of Environmental and Social Safegu ecifications and directions of Engineer-in-charge.	a period of	24.87 one year incluc all lead and lifts per design, dr 103 4.12 10.71	Cum ling watering s, labour charg awing, techni
67 Ma 67 CO inc sp Ba Ma	aintenance for 1st Year: aintenance of lawns or Turfing of slopes (rough grassing) for mplete including cost of all materials, scaffolding HOM of mac cluding implementation of Environmental and Social Safegu ecifications and directions of Engineer-in-charge.	a period of hineries with uards & as	24.87 one year incluct all lead and lifts per design, dr 103 4.12	Cum ling watering s, labour charg awing, techni
67 Ma 67 CO inc sp Ba Ma Ad	aintenance for 1st Year: aintenance of lawns or Turfing of slopes (rough grassing) for mplete including cost of all materials, scaffolding HOM of mac cluding implementation of Environmental and Social Safegu ecifications and directions of Engineer-in-charge. sic rate aintenance -1st year escalation of 4% Id 10% For area wightage	a period of hineries with uards & as	24.87 one year incluc all lead and lifts per design, dr 103 4.12 10.71	Cum ling watering s, labour charg awing, techni
67 Ma 67 CO inc sp Ba Ma Ad TU	aintenance for 1st Year: aintenance of lawns or Turfing of slopes (rough grassing) for mplete including cost of all materials, scaffolding HOM of mac cluding implementation of Environmental and Social Safegu ecifications and directions of Engineer-in-charge. usic rate aintenance -1st year escalation of 4% Id 10% For area wightage	a period of hineries with uards & as	24.87 one year incluc all lead and lifts per design, dr 103 4.12 10.71	Cum ling watering s, labour charg awing, techni
67 Ma 67 Co inc sp Ba Ma Ad TU Ma	aintenance for 1st Year: aintenance of lawns or Turfing of slopes (rough grassing) for mplete including cost of all materials, scaffolding HOM of mac cluding implementation of Environmental and Social Safegu ecifications and directions of Engineer-in-charge. sic rate aintenance -1st year escalation of 4% Id 10% For area wightage	a period of hineries with uards & as	24.87 one year incluc all lead and lifts per design, dr 103 4.12 10.71	Cum ling watering s, labour charg awing, techni
67 Ma 67 Co inc sp Ba Ma Ad Ad 58 ZC	aintenance for 1st Year: aintenance of lawns or Turfing of slopes (rough grassing) for mplete including cost of all materials, scaffolding HOM of mac cluding implementation of Environmental and Social Safegu ecifications and directions of Engineer-in-charge. sic rate aintenance -1st year escalation of 4% Id 10% For area wightage	a period of hineries with uards & as	24.87 one year incluc all lead and lifts per design, dr 103 4.12 10.71	Cum ling watering s, labour charg awing, techni
67 Ma 67 Co inc sp Ba Ma Ad Ad 58 ZC	aintenance for 1st Year: aintenance of lawns or Turfing of slopes (rough grassing) for mplete including cost of all materials, scaffolding HOM of mac cluding implementation of Environmental and Social Safegu ecifications and directions of Engineer-in-charge. sic rate aintenance -1st year escalation of 4% Id 10% For area wightage	a period of hineries with uards & as	24.87 one year incluc all lead and lifts per design, dr 103 4.12 10.71	Cum ling watering s, labour charg awing, techni
67 Ma 67 Co inc sp Ba Ma Ad 50 TU 68 ZC (N	aintenance for 1st Year: aintenance of lawns or Turfing of slopes (rough grassing) for mplete including cost of all materials, scaffolding HOM of mac cluding implementation of Environmental and Social Safegu ecifications and directions of Engineer-in-charge. asic rate aintenance -1st year escalation of 4% Id 10% For area wightage IRF aintenance for 1st Year: DYSIA JAPONICA (MAT) on SOR Item)	a period of hineries with uards & as	24.87 one year incluc n all lead and lifts per design, dr 103 4.12 10.71 117.83	Cum ling watering s, labour charg awing, techni
67 Ma 67 Co inc sp Ba Ma Ad Ad 58 ZC (N Ra	aintenance for 1st Year: aintenance of lawns or Turfing of slopes (rough grassing) for mplete including cost of all materials, scaffolding HOM of mac cluding implementation of Environmental and Social Safegu ecifications and directions of Engineer-in-charge. sic rate aintenance -1st year escalation of 4% Id 10% For area wightage IRF aintenance for 1st Year: DYSIA JAPONICA (MAT) on SOR Item) te Approved as per EOI by MD MSCL Mangalore,Refer	a period of hineries with uards & as	24.87 one year incluc all lead and lifts per design, dr 103 4.12 10.71	Cum ling watering s, labour charg awing, techni
67 Ma 67 Co inc sp Ba Ma Ad 58 ZC (No Ra Sr	aintenance for 1st Year: aintenance of lawns or Turfing of slopes (rough grassing) for mplete including cost of all materials, scaffolding HOM of mac cluding implementation of Environmental and Social Safegu ecifications and directions of Engineer-in-charge. asic rate aintenance -1st year escalation of 4% Id 10% For area wightage IRF aintenance for 1st Year: DYSIA JAPONICA (MAT) on SOR Item) ate Approved as per EOI by MD MSCL Mangalore,Refer .No.32	a period of hineries with uards & as	24.87 one year incluce all lead and lifts per design, dr 103 4.12 10.71 117.83	Cum ling watering s, labour charg awing, techni
67 Ma 67 Co inc sp Ba Ma Ad 58 ZC (No Ra Sr	aintenance for 1st Year: aintenance of lawns or Turfing of slopes (rough grassing) for mplete including cost of all materials, scaffolding HOM of mac cluding implementation of Environmental and Social Safegu ecifications and directions of Engineer-in-charge. sic rate aintenance -1st year escalation of 4% Id 10% For area wightage IRF aintenance for 1st Year: DYSIA JAPONICA (MAT) on SOR Item) te Approved as per EOI by MD MSCL Mangalore,Refer	a period of hineries with uards & as Rate	24.87 one year incluc n all lead and lifts per design, dr 103 4.12 10.71 117.83 156.80 6.27	Cum ling watering s, labour charg awing, techni
67 Ma 67 Co inc sp Ba Ma Ad 58 ZC (No Ra Sr	aintenance for 1st Year: aintenance of lawns or Turfing of slopes (rough grassing) for mplete including cost of all materials, scaffolding HOM of mac cluding implementation of Environmental and Social Safegu ecifications and directions of Engineer-in-charge. asic rate aintenance -1st year escalation of 4% Id 10% For area wightage IRF aintenance for 1st Year: DYSIA JAPONICA (MAT) on SOR Item) ate Approved as per EOI by MD MSCL Mangalore,Refer .No.32	a period of hineries with uards & as	24.87 one year incluct all lead and lifts per design, dr <u>103</u> 4.12 10.71 117.83 156.80	Cum ling watering s, labour charg awing, techni
67 Ma 67 Co inc sp Ba Ma Ad Ad 68 ZC (N Ra Sr Ma	aintenance for 1st Year: aintenance of lawns or Turfing of slopes (rough grassing) for mplete including cost of all materials, scaffolding HOM of mac cluding implementation of Environmental and Social Safegu ecifications and directions of Engineer-in-charge. asic rate aintenance -1st year escalation of 4% Id 10% For area wightage IRF aintenance for 1st Year: DYSIA JAPONICA (MAT) on SOR Item) ate Approved as per EOI by MD MSCL Mangalore,Refer .No.32	a period of hineries with uards & as Rate	24.87 one year incluc n all lead and lifts per design, dr 103 4.12 10.71 117.83 156.80 6.27	Cum ling watering s, labour charg awing, techni

69	Maintenance for 1st Year:			
09	Watering with tanker to landscape area and plants for one year			
	Water Tanker =61 Rs/ Hour, One Year Cost=92 days x 3 hrs/day x			
	61rs/hr (365days-90 days of mansoon=275 days/3 days=92		16836	
	days,consider watering at every 3 days)			
	Mazdoor = 0.5 days x 258.88		11908.48	
	Add 10% For area wightage		1190.848	
	Maintenance -1st year escalation of 4%		1149.78	
		Rate	31085.11	Sqm
	Maintenance for 1st Year:			
70	Maintenance for 1st Year: supply and fixing of irrigation lines such that all the green areas an of drip irrigation for trees, sub surface for shrubs and lawn areas lawn areas. (Equipment make - Rainbird or equivalent) All material used should be comply to BSI code. All the necessa commissioning to be installed. (Non SOR Item)	ground	d covers and pop	up sprinklers for
70	supply and fixing of irrigation lines such that all the green areas an of drip irrigation for trees, sub surface for shrubs and lawn areas lawn areas. (Equipment make - Rainbird or equivalent) All material used should be comply to BSI code. All the necessa commissioning to be installed.	ground	d covers and pop	up sprinklers for red for complete
70	supply and fixing of irrigation lines such that all the green areas an of drip irrigation for trees, sub surface for shrubs and lawn areas lawn areas. (Equipment make - Rainbird or equivalent) All material used should be comply to BSI code. All the necessa commissioning to be installed. (Non SOR Item) Rate Approved as per EOI by MD MSCL Mangalore,Refer	ground	and pump requir	up sprinklers for red for complete

Assistant Executive Engineer MSCL Mangaluru

Executive Engineer MSCL Mangaluru

Name of the Work :- Mangalore Smart City 6.1 Abstract for Maintenance of Road and Other Work for DPR 7 -2nd Year

Sr.No.	Specification	Unit	Total Qty.	Rate	Amount
	Civil Works				
1.00	Maintenance for 2nd Year: Taking out existing CC interlocking paver blocks from footpath/ central verge, including removal of rubbish etc., disposal of unserviceable material to the dumping ground, for which payment shall be made separately and stacking of serviceable material within 50 metre lead as per direction of Engineer-in-Charge.(RA attached)	Sqm	14.00	80.97	1134
2.00	Maintenance for 2nd Year: KSRRB M200.Dismantling of cement concrete pavement by mechanical means using pueumatic tools,breaking to pieces not exceeding 0.02 cum in volume and stock pilling at designated locations and disposal of dismantled material stacking serviceble and unserviceable materials separately complete as per specifications.MORTH specification No.202.(Including transporting charges,loading and unloading for lead 5km-Extra) (Page No 138,SI No : 18.47)	Cum	0.30	1068.01	,320
3.00	Maintenance for 2nd Year: KSRRB M200-Dismantaling of kerb Stone and Channel KSRRB M200-26. Dismantling Kerb stone by Manual means and disposal of dismantled materials with all lifts and complete as per specifications.MORTH Specification No.202. (Page No.139,S.I.No.18.49)	Rmt	20.00	14.26	285
4.00	Maintenance for 2nd Year: KSRRB M200-13.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. II. By Mechanical Means. A. Cement Concrete Grade M-15 &M-20. MORTH Specification No. 202 (KPWD SOR 18-19,18.20,Page No.137)	Cum	20.00	463.32	9,266
5.00	Maintenance for 2nd Year: KSRRB M200-12.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonary, cement concrete, woodwork, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. i)Dismantaling Brick/Tile work B.In Cement mortar (Page No 137,SI No : 18.23)	Cum	0.23	416.99	,96
6.00	Maintenance for 2nd Year: KSRRB M300-14. Excavation for roadwork in all types of soil with hydraulic excavator of 0.9 bucket capacity including cutting and loading in tippers,trimming bottom and side slopes, in accordance with requirements of lines and grades and cross sections, and transporting disposal location up to a lead of 1.00Km and complete as per specifications. MORTH specification No.301(Including transporting charges, loading and unloading for lead 5km) (Page No 143,SI No : 19.14)	Cum	250.00	48.71	12,178
7.00	Maintenance for 2nd Year: 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.(KPWD 16-17,SI No.2.11,Pg. No.6)	Cum	75.00	142.56	10,692
8.00	Maintenance for 2nd Year: KSRRB 300-Compaction KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3.(KPWD 18- 19,SI No.19.64,Pg. No.149)	Sqm	500.00	7.13	3,565

Sr.No.	Specification	Unit	Total Qty.	Rate	Amount
9.00	Maintenance for 2nd Year: KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix M15 Grade with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No. 4.6 of PWD SR 2018-19)		7.50	7009.20	52,569
10.00	Maintenance for 2nd Year: KSRRB M400-6.1. Construction of granular sub-base by providing close graded crushed stone aggregates of granite / trap / basalt material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with Plate compactor to achieve the desired density, complete as per specifications. A. Plant Mix Method Close graded granular sub-base material as per 400-1 For Grading- II Material	Cum	37.50	2573.21	96,495
11.00	Maintenance for 2nd Year: KSRB 4.2.1 : Providing and laying in position reiforcement cement concrete of design Mix M25 with OPC cement @340Kgs,with 20mm and down size graded granite metal coarse aggregate @ 0.47 cum with super plasticisers @3 liters confirming to IS 9103-1999 reafirmed -2008 at machine mixed,concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls,return walls,walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks,anchor blocks & plinths etc.,Including cost of labour,HOM of machinery,curing,complete but excluding cost of reinforcement as per specifications. (Page No 13,SI No : 4.10)	Cum	48.00	7363.22	3,53,435
12.00	Maintenance for 2nd Year: KSRB 4.6.1 Providing and removing centering, shuttering, strutting, propping etc.,and removal of formwork for foundations, footings, bases of columns for mass concrete including cost of all materials,labour complete as per specifications. Specification No. KSB 4.6.2 (Page No 15,SI No : 4.28)	Sqm	360.00	312.44	1,12,478
13.00	Maintenance for 2nd Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work including straighting,cutting,bending,hooking,placing in position,lapping and/or welding wherever required,tying with binding wire and anchoring to thr adjoing members wherever necessary complete as per design (laps,hooks and wastage shall not be measured and paid) cost of materials,labour,HOM of machinary complete as per specifications.Specification No. KBS4.6.3. do with TMT bars Fe500	МТ	3.84	84089.02	3,22,902
14.00	Maintenance for 2nd Year: KSRRB M300-Construction of Subgrade. KSRRB M300-55. Construction of sub-grade with approved material Gravel/Murrum with all lifts & leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of Table No. 300-2 complete as per specifications (including cost of earth, watering charges & compaction by vibratory rollercompaction by vibratory roller to 97% of proctors density) MORTH Specification No. 305	Cum	61.25	665.76	40,778

Sr.No.	Specification	Unit	Total Qty.	Rate	Amount
15.00	Maintenance for 2nd Year: KSRRB M600-1.Construction of dry lean cement concrete mix M15 with 1:5:10 OPC cement @160Kgs,with 25mm and down size graded granite/trap/basalt metal coarse aggregate at 0.86cum and fine aggregate @ 0.58cum Sub-base over prepared sub grade with (coarse and fine aggregate confirming to IS:383) aggregate cement ration not to excee 15:1. Aggregate gradation after blending to be as per Table 600-1, cement content to be determined during trail length construction, concrete strength not to be less than 10Mpa at 7 days,mixed in a batching plant,transported to site,laid with a paver with electronic sensor,compacting with 8-10 tonnes double drum vibratory roller,finishing and curing complete as per specifications.Morth specification No.601 (Page No 176,SI No : 22.1)	Cum	12.25	4809.02	58,910
16.00	Maintenance for 2nd Year: KSRRB M600-1.Construction of dry lean cement concrete mix M15 with 1:5:10 OPC cement @160Kgs,with 25mm and down size graded granite/trap/basalt metal coarse aggregate at 0.86cum and fine aggregate @ 0.58cum Sub-base over prepared sub grade with (coarse and fine aggregate confirming to IS:383) aggregate cement ration not to excee 15:1. Aggregate gradation after blending to be as per Table 600-1, cement content to be determined during trail length construction, concrete strength not to be less than 10Mpa at 7 days,mixed in a batching plant,transported to site, Manually laid and compacting with palte compactor ,finishing and curing complete as per specifications.Morth specification No.601 (RA attached)	Cum	20.00	4371.84	87,437
17.00	Maintenance for 2nd Year: KSSRRB M600-2.Construction of unreinforced,dowel jointed,plain cement concrete pavement over a prepared sub base with 25mm and down size graded granite metal coarse aggregate with superplastisizer at 3 lts confirming to IS9103-1999 reaffirmed 2008(Coarse and fine aggregate conforming to IS:383) mixed in a batching and mixing plant as per approved mix design,transported to site,laid with a fixed form paver spread,compacted and finished in a continuos operation including provision of contraction, expansio, construction and longitudinal joints,including groove cutting chrges, joints filler,separation memberane, sealent primer, joints sealant, debonding strip, dowel bars at 4.5m intervals, tie rod, admixtures as approved, curing compound,finishing to lines and grades as per drawing complete as per sprcifications MORTH specification No.602.do with M40 (420Kg per cum Cement,C.A,0.67 cum F.A.044Cum (Page No 176,SI No : 22.2.2)	Cum	28.18	6848.82	1,93,000
18.00	Maintenance for 2nd Year: Providing and placing joint sealant compound of cold polysulphide in the grooves after widening the groove to required width, sand blasting the groove face if recommended by the sealant manufacturer, cleaning the groove with air compressor, insertion of debonding strip, priming the sides of the sealant if the sealant manufacturer recommends and pouring the sealant all complete including material, manpower (Non SOR Item)	Rmt	650.00	124.20	80,730
19.00	Maintenance for 2nd Year: KSRRB 3000 Repair of Joint Grooves with Epoxy Mortar KSRRB M3000-8 Repairs of spalled joints grooves of contraction joints longitudinal joints and expansion joints in concrete pavement using epoxy mortar concrete complete as per specifications.Morth specification No.3005.1 (Page No 257,SI No : 35.8)		650.00	393.23	2,55,600

Sr.No.	Specification	Unit	Total Qty.	Rate	Amount
20.00	Maintenance for 2nd Year: Providing and laying at or near ground level factory made kerb stone of M- 20 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge). (RA Attached)		0.10	21038.08	2,104
21.00	Maintenance for 2nd Year: Providin and fixing pre cast solid concrete Kerb stones as per the drawing,made out of CC 1:2:4 and Jointed with CM 1:3 and finishing cutting, including cost of all materials,labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc.,complete (Page No 25,SI No : 5.3)	0	2.79	18392.15	51,314
22.00	Maintenance for 2nd Year: Providin and fixing pre cast solid concrete water table(longitudinal gutter) as per the drawing,made out of CC 1:2:4 and jointed with CM 1:3 and finishing cutting, including cost of all materials,labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc.,complete (Page No 25,SI No : 5.3)		1.18	18392.15	21,703
23.00	Maintenance for 2nd Year: Removing and resetting of kerb stones. including cost of all materials, scaffolding HOM of machineries with all lead and lifts, labour charges including implementation of Environmental and Social Safeguards & as per design, drawing, technical specifications and directions of Engineer-in- charge.	Rmt	100.00	28.51	2,851
24.00	Maintenance for 2nd Year: KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 (Page No 182,SI No : 24.1)		82.50	95.04	7,841
25.00	Maintenance for 2nd Year: P/F FRP Recess Cover (2.5T) 900mmx600 mm with frame on Manhole for electrical ducting.	Nos.	5.00	9900.72	49,504
26.00	Maintenance for 2nd Year: P/F FRP Recess Cover (2.5T) 600mmx450 mm with frame at raised footpath on SWD. (Rate analysis attached)	Nos.	5.00	5698.70	28,493
27.00	Maintenance for 2nd Year: P/F FRP Water gully cover with frame (25T) 600mmx500 mm at level footpath. (Rate analysis attached)	Nos.	5.00	6280.77	31,404
28.00	Maintenance for 2nd Year: Providing gully pipe lowering, laying of PVC 100 mm dia pipes to the required alignments including specials and grade as indicated in drawings/design and hydraulically testing of the pipe line. The rate shall include all jointing materials, testing apparatus and water for testi g etc as directed by the Engineer in charge (page No.41, Item No.7, KUWSDB SOR 2016-17)	Rmt	20.00	325.46	6,509
29.00	Maintenance for 2nd Year: KSRB 11-18-17.1 : 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. (PWD SR 2018-19,P.No.86, SI.No.12.89)		20.00	986.04	19,721

Sr.No.	Specification	Unit	Total Qty.	Rate	Amount
30.00	Maintenance for 2nd Year: KSRRB M800-29.3.Cable Duct Across the road KSRRB M800-29.1. Providing and laying of a reinforced cement concrete pipe duct, 300 mm dia, across the road (new construction), extending from drain to drain in cuts and toe of slope to toe of slope in fills, constructing head walls at both ends, providing a minimum fill of granular material over top and sides of RCC pipe as per IRC:98-1997, bedded on a 0.3 m thick layer of granular material free of rock pieces, outer to outer distance of pipe at least half dia of pipe subject to minimum450 mm in case of double and triple row ducts, joints to be made leak proof, invert level of duct to be above higher than ground level to prevent entry of water and dirt, all as per IRC: 98 - 1997 and approved drawings complete as per specifications. Case-III :Triple row for three utility services. (PWD SR 2018-19,SI.No.24.36)	Rmt	20.00	5966.14	1,19,323
31.00	Maintenance for 2nd Year: Providing and laying Dia 225mm HDPE Electrical pipe Conduits with Silicore Lubricant inner layer with ribs, dimensional ratio of 13.5,Deflection not greater than 5% when exposed to the normal operating temparature 90°C under the over burden soil presuure and other physical properties comforming to ASTMF 2160 and /or NEMA TC7.The expected service life of HDPE pipe conduits and accessories shall not be less than 50 years. (Market Rate)	Rmt	150.00	2129.54	3,19,431
32.00	Maintenance for 2nd Year: Providing and laying Dia 160mm HDPE Electrical pipe Conduits with Silicore Lubricant inner layer with ribs, dimensional ratio of 13.5,Deflection not greater than 5% when exposed to the normal operating temparature 90°C under the over burden soil presuure and other physical properties comforming to ASTMF 2160 and /or NEMA TC7.The expected service life of HDPE pipe conduits and accessories shall not be less than 50 years.(Market Rate)	Rmt	100.00	1154.41	1,15,441
33.00	Maintenance for 2nd Year: Providing and Fixixng Spacers for Power Ducts of size 200 mm, to be placed at an interval of 1.5 meter. Spacers shall be made of ABS raw material. (Market rate)		20.00	1183.54	23,671
34.00	Maintenance for 2nd Year: Providing and Fixixng Spacers for Power Ducts of size 160 mm, to be placed at an interval of 1.5 meter. Spacers shall be made of ABS raw material. (Market rate)		20.00	2297.46	45,949
35.00	Maintenance for 2nd Year: Supplying 7-way 40mm HDPE pipe Multi-way Duct Silicore Lubricant inner layer for ICT fibre cables comforming to ASTMF 2160 and /or equivalent indian standard and conveying to work site including loading and unloading at both destination and rolling,lowering into trenches,laying true to line and jointing of pipe etc.Complete. (Market Rate)	Rmt	40.00	649.40	25,976
36.00	Maintenance for 2nd Year: Supplying and Application charges required for stamping the freshly laid new concrete (Concrete rate is not included in this item) including finishing and colouring the top surface accurately to the required level,shape and size using approved colour shade and staping it using approved stamp pattern and antiquitting it on top with approved colour.Sealing entire area with concrete sealer.	Sqm	200.00	741.31	1,48,262
37.00	Maintenance for 2nd Year: Providing and laying heavy duty cobble stones 75mm thick, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 30mm 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. (Page No 101,SI No : 14.7)	Sqm	75.00	1323.43	99,257

Sr.No.	Specification	Unit	Total Qty.	Rate	Amount
38.00	Maintenance for 2nd Year: KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications MORTH Specification No. 507 -using 100/120 TPH capacity H.M.P. with sensor paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen(KPWD 16-17,S.I.No.21.17.1,Page No.163)	Cum	6.00	9312.73	55,876
39.00	Maintenance for 2nd Year: KSRRB M500-19. Providing and laying bituminous concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications. MORTH Specification No. 509 - using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 45 mm) with 6 % VG-40 Bitumen	Cum	1.60	10408.07	16,653
	Maintenance for 2nd Year: KSRRB M800 Road markers / Road stud KSRRB M800-35. Providing and fixing of road stud 100x 100 mm, diecast in aluminium, resistant to corrosive effect of salt and grit, fitted with lense reflectors, installed in concrete or asphaltic surface by drilling hole 30 mm upto a depth of 60 mm and bedded in a suitable bituminous grout or epoxy mortar, all as per BS: 873 part 4:1973 complete as per specifications		50.00	343.33	17,167
	Maintenance for 2nd Year: Supply & Installation of Solar Raised Pavement Markers made of polycarbonate molded body with circular shape, solar powered, LED self illumination in active mode, 360 degree illumination and reflective panels with micro prismatic lens in passive mode. The marker shall support a load of20000 kg tested in accordance to IRC 37 and shall be resistantto dust and water ingress according to IP 65 (Ingress Protection 65 is a test which is conducted to check if solar road stud is protected from total dust Ingress and low pressure water jets from any direction) standards and should withstand temperatures in the range of 0 C to 70 C. Color of lighting could be provided in red or yellow (amber) as per requirement and typical frequency of blinking is 1 Hz. There should be current losses of less than 20 micro-amperes at 2.4 V in sleep-charging mode to enhance the life of the marker and a full charge should provide for a minimum autonomy of 50 hours. The height, width and length of the marker shall not be less than 10 mm x 100 mm. Also, the surface diameter of the marker shall not be less than 100 mm respectively. The weight of the marker shall not exceed 0.5 Kilograms. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation and complete as directed by the engineer.	Nos.	10.00	3517.67	35,177
42.00	Maintenance for 2nd Year: Road Marking with hot applied Thermoplastic Compound with Reflectrising Glass Beads on Concrete Surface:Providing and laying of hot applied thermoplastic compound 2.5mm thick including reflectorising glass beads at 250 gms and 2 ltr of primer per sqm area,thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35.The finished surface to be level,uniform and free from streak and holes complete as per specifications.MORTH specification No.803 (Page No 192,SI No : 24.57)	Sqm	600.00	509.65	3,05,790
43.00	Maintenance for 1st Year: Operation and Maintenance for eToilets Stainless Steel Public Model as specified in Road and Other works BOQ Item No.45.	Nos	4.00	66096.00	2,64,384
44.00	Maintenance for 2nd Year: Providing and fixing of S.S. Bollards(SS304) on footpath as specified and directed by Engineer -in-charge (NON SOR Item)	Nos.	2.00	4860.00	9,720
45.00	Maintenance for 2nd Year: Providing and fixing of railing as detail design in MS HOLLOW SECTION and bars (shop drawing to be approved),with vertical support of 0.9m @2.2mc/c , all complete to the satisfaction of the Landscape architect.(Non SOR Item)	MT	0.10	108000.00	10,800

Sr.No.	Specification	Unit	Total Qty.	Rate	Amount
46.00	Maintenance for 2nd Year: Excavation and removal of silt and silt mixed with sand in slussy condition from canal bed including disposing off the same in spoil bank or on the canal embankment in layers as directed etc., complete with lead upto 50 m and all lifts. For Desilting of drains and grit chambers including cost of all materials, scaffolding HOM of machineries with all lead and lifts, labour charges including implementation of Environmental and Social Safeguards & as per design, drawing, technical specifications and directions of Engineer-in- charge.	Cum	1015.00	193.32	1,96,220
47.00	Maintenance for 2nd Year: Extra Lead for Disposing off unserviceable materials upto 10 Km beyond initial Lead Item No 17.4 KSRRB M100-4.1-Earth	Cum	200.00	111.20	22,240
48.00	Maintenance for 2nd Year: Extra Lead for Disposing off unserviceable materials upto 10 Km beyond initial Lead Item No 17.4 KSRRB M100-4.1-Debris	Cum	70.00	111.67	7,817
49.00	Electrical Works Maintenance for 2nd Year: Dismantling of pole/ street light standard/ strut embedded in cement concrete foundation etc. as required (Delhi analysis of rates E & M 2016, item 12.42, pg 395))	Nos.	1.00	1815.10	1,815
50.00	Maintenance for 2nd Year: 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)	Nos.	1.00	13413.60	13,414
51.00	Maintenance for 2nd Year: 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)	Nos.	1.00	7989.84	7,990
52.00	Maintenance for 2nd Year: 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.	1.00	3823.20	3,823
53.00	Maintenance for 2nd Year: 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.	1.00	2592.00	2,592
54.00	Maintenance for 2nd Year: Painting of Existing street light pole after scrapping the old paint and painted with suitable colour enamel including coping/footing of the pole8mtr and above street light pole (Ref Electrical SOR SI No.16.28.3)	Nos.	241.00	669.60	161,374
55.00	Maintenance for 2nd Year: Supply, installation, testing and commissioning of outdoor junction box for mounting MCB/Contactors with all required accessories and componenets	Nos.	1.00	12725.55	12,726

Sr.No.	Specification	Unit	Total Qty.	Rate	Amount
56.00	Maintenance for 2nd Year: 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.	1.00	1670.76	1,671
57.00	LT Cable Maintenance for 2nd Year: 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	60.00	126.36	7,582
58.00	Maintenance for 2nd Year: 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	10.00	88.13	881
59.00	Maintenance for 2nd Year: 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	10.00	12.21	122
60.00	Maintenance for 2nd Year: 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	8.00	3.37	27
61.00	Earthing system Maintenance for 2nd Year: 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	1.00	5940.00	5,940
62.00	Maintenance for 2nd Year: 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	50.00	21.06	1,053
	Landcaping Works				
63.00	SOIL MIXES and Ground Preparation Maintenance for 2nd Year: Supplying and stacking of good earth at site including royalty and carriage upto 5 k.m. lead complete (earth measured in stacks will be reduced by 20% for payment). (Non SOR Item)	Cum	1.50	151.20	227
64.00	Maintenance for 2nd Year: KSRRB M300-Supply at site of work well decayed farm yard manure KSRRB M300-11. Supply at site of work well decayed farm yard manure, from any available source, approved by the engineer in charge including screening and stackin complete as per specifications. MORTH Specification No. 308.2(Page No.152,SI.No.19.90)	Cum	0.75	242.35	182
65.00	Maintenance for 2nd Year: KSRRB M300-Horticulture KSRRB M300-Spreading of sludge farm yard manure or/ and good earth KSRRB M300-1. Spreading of sludge farm yard manure or/ and good earth in required thickness (cost of sludge, farm yard manure or/and good earth to be paid for separately) complete as per specifications. MORTH Specification No. 307 (KPWD SR 16-17,Page No.150,SI No.19.77)		2.00	122.36	245

Sr.No.	Specification	Unit	Total Qty.	Rate	Amount
66.00	Maintenance for 2nd Year: Mixing earth and sludge or manure in the required proportion specified or directed by the Officer-in-charge (Non SOR item)	Cum	2.00	25.82	52
	Soil preparation of Lawn				
	Maintenance for 2nd Year: Maintenance of lawns or Turfing of slopes (rough grassing) for a period of one year including watering etc complete including cost of all materials, scaffolding HOM of machineries with all lead and lifts, labour charges including implementation of Environmental and Social Safeguards & as per design, drawing, technical specifications and directions of Engineer-in-charge.	Sqm	382.19	122.36	46,765
	TURF				
	Maintenance for 2nd Year: ZOYSIA JAPONICA (MAT) (Non SOR Item)	Sqm	3.00	169.34	508
	IRRIGATION				
69.00	Maintenance for 2nd Year: Watering with tanker to landscape area and plants for one year	Year	1.00	32234.89	32,235
70.00	Maintenance for 2nd Year: supply and fixing of irrigation lines such that all the green areas and plants are adequately watered; by means of drip irrigation for trees, sub surface for shrubs and lawn areas / ground covers and pop up sprinklers for lawn areas. (Equipment make - Rainbird or equivalent) All material used should be comply to BSI code. All the necessary value and pump required for complete commissioning to be installed. (Non SOR Item)	Sqm	3.00	604.80	1,814
				Total	40,55,506

Assistant Executive Engineer MSCL Mangaluru

Executive Engineer MSCL Mangaluru

Name of the Work :- Mangalore Smart City 6.2 M.S. For Maintenance of Road and Other Work forDPR 7 -2nd Year

	6.2 M.S. For Maintenance of Road and	Other V	VORK TOPL	JPR / -2nd	rear		
Sr.No.	Specification	Unit	No.	L	в	D	Qty.
	Civil Works						
1.00	Maintenance for 2nd Year: Taking out existing CC interlocking paver blocks from footpath/ central verge, including removal of rubbish etc., disposal of unserviceable material to the dumping ground, for which payment shall be made separately and stacking of serviceable material within 50 metre lead as per direction of Engineer-in-Charge.(RA attached)	Sqm	1	7	2		14.00
2.00	Maintenance for 2nd Year: KSRRB M200.Dismantling of cement concrete pavement by mechanical means using pueumatic tools,breaking to pieces not exceeding 0.02 cum in volume and stock pilling at designated locations and disposal of dismantled material stacking serviceble and unserviceable materials separately complete as per specifications.MORTH specification No.202.(Including transporting charges,loading and unloading for lead 5km-Extra) (Page No 138,SI No : 18.47)	Cum	1	1	1	0.3	0.30
3.00	Maintenance for 2nd Year: KSRRB M200-Dismantaling of kerb Stone and Channel KSRRB M200-26. Dismantling Kerb stone by Manual means and disposal of dismantled materials with all lifts and complete as per specifications.MORTH Specification No.202. (Page No.139,S.I.No.18.49)	Rmt	1	20			20.00
4.00	Maintenance for 2nd Year: KSRRB M200-13.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. II. By Mechanical Means. A. Cement Concrete Grade M-15 &M-20. MORTH Specification No. 202 (KPWD SOR 16-17,18.20,Page No.137)	Cum	1	40	1	0.5	20.00
5.00	Maintenance for 2nd Year: KSRRB M200-12.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonary, cement concrete, woodwork, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. i)Dismantaling Brick/Tile work B.In Cement mortar (Page No 137,SI No : 18.23)	Cum	2	1	0.5	0.23	0.23
6.00	Maintenance for 2nd Year: KSRRB M300-14. Excavation for roadwork in all types of soil with hydraulic excavator of 0.9 bucket capacity including cutting and loading in tippers,trimming bottom and side slopes,in accordance with requirements of lines and grades and cross sections,and transporting disposal location up to a lead of 1.00Km and complete as per specifications. MORTH specification No.301(Including transporting charges, loading and unloading for lead 5km) (Page No 143,SI No : 19.14)	Cum	1.00	100	5	0.5	250.00
7.00	Maintenance for 2nd Year: 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.(KPWD 16-17,SI No.2.11,Pg. No.6)		1.00	30	5	0.5	75.00
8.00	Maintenance for 2nd Year: KSRRB 300-Compaction KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3.(KPWD 16- 17,SI No.19.64,Pg. No.149)	Sqm	1.00	100		5	500.00
9.00	Maintenance for 2nd Year: KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix M15 Grade with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No. 4.6 of PWD SR 2015-16)	Cum	1.00	15	5	0.1	7.50
10.00	Maintenance for 2nd Year: KSRRB M400-6.1. Construction of granular sub-base by providing close graded crushed stone aggregates of granite / trap / basalt material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with Plate compactor to achieve the desired density, complete as per specifications. A. Plant Mix Method Close graded granular sub-base material as per 400-1 For Grading- II Material		1.00	50	5	0.15	37.50

Sr.No.	Specification	Unit	No.	L	в	D	Qty.
11.00	Maintenance for 2nd Year: KSRB 4.2.1 : Providing and laying in position reiforcement cement concrete of design Mix M25 with OPC cement @340Kgs,with 20mm and down size graded granite metal coarse aggregate @ 0.47 cum with super plasticisers @3 liters confirming to IS 9103-1999 reafirmed -2008 at machine mixed,concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls,return walls,walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks,anchor blocks & plinths etc.,Including cost of labour,HOM of machinery,curing,complete but excluding cost of reinforcement as per specifications. (Page No 13,SI No : 4.10)		1.00	200	0.2	1.2	48.00
12.00	Maintenance for 2nd Year: KSRB 4.6.1 Providing and removing centering, shuttering, strutting, propping etc.,and removal of formwork for foundations, footings, bases of columns for mass concrete including cost of all materials,labour complete as per specifications. Specification No. KSB 4.6.2 (Page No 15,SI No : 4.28)	Sqm	2.00	200		0.9	360.00
13.00	Maintenance for 2nd Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work including straighting,cutting,bending,hooking,placing in position,lapping and/or welding wherever required,tying with binding wire and anchoring to thr adjoing members wherever necessary complete as per design (laps,hooks and wastage shall not be measured and paid) cost of materials,labour,HOM of machinary complete as per specifications.Specification No. KBS4.6.3. do with TMT bars Fe500		1.00	3.84			3.84
14.00	Maintenance for 2nd Year: KSRRB M300-Construction of Subgrade. KSRRB M300-55. Construction of sub-grade with approved material Gravel/Murrum with all lifts & leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of Table No. 300-2 complete as per specifications (including cost of earth, watering charges & compaction by vibratory rollercompaction by vibratory roller to 97% of proctors density) MORTH Specification No. 305	Cum	10.00	3.5	3.5	0.5	61.25
15.00	Maintenance for 2nd Year: KSRRB M600-1.Construction of dry lean cement concrete mix M15 with 1:5:10 OPC cement @160Kgs,with 25mm and down size graded granite/trap/basalt metal coarse aggregate at 0.86cum and fine aggregate @ 0.58cum Sub-base over prepared sub grade with (coarse and fine aggregate confirming to IS:383) aggregate cement ration not to excee 15:1. Aggregate gradation after blending to be as per Table 600-1, cement content to be determined during trail length construction, concrete strength not to be less than 10Mpa at 7 days,mixed in a batching plant,transported to site,laid with a paver with electronic sensor,compacting with 8-10 tonnes double drum vibratory roller,finishing and curing complete as per specifications.Morth specification No.601 (Page No 176,SI No : 22.1)		10.00	3.5	3.5	0.1	12.25
16.00	Maintenance for 2nd Year: KSRRB M600-1.Construction of dry lean cement concrete mix M15 with 1:5:10 OPC cement @160Kgs,with 25mm and down size graded granite/trap/basalt metal coarse aggregate at 0.86cum and fine aggregate @ 0.58cum Sub-base over prepared sub grade with (coarse and fine aggregate confirming to IS:383) aggregate cement ration not to excee 15:1. Aggregate gradation after blending to be as per Table 600-1, cement content to be determined during trail length construction, concrete strength not to be less than 10Mpa at 7 days,mixed in a batching plant,transported to site, Manually laid and compacting with palte compactor ,finishing and curing complete as per specifications.Morth specification No.601 (RA attached)		1.00	100	2	0.1	20.00
17.00	Maintenance for 2nd Year: KSSRRB M600-2.Construction of unreinforced,dowel jointed, plain cement concrete pavement over a prepared sub base with 25mm and down size graded granite metal coarse aggregate with superplastisizer at 3 lts confirming to IS9103-1999 reaffirmed 2008(Coarse and fine aggregate conforming to IS:383) mixed in a batching and mixing plant as per approved mix design,transported to site,laid with a fixed form or paver spread,compacted and finished in a continuos operation including provision of contraction, expansio, construction and longitudinal joints,including groove cutting chrges, joints filler,separation memberane, sealent primer, joints sealant, debonding strip, dowel bars at 4.5m intervals, tie rod, admixtures as approved, curing compound,finishing to lines and grades as per drawing complete as per sprcifications MORTH specification No.602.do with M40 (420Kg per cum Cement,C.A,0.67 cum F.A.044Cum (Page No 176,SI No : 22.2.2)		10.00	3.5	3.5	0.23	28.18

Sr.No.	Specification	Unit	No.	L	В	D	Qty.
18.00	Maintenance for 2nd Year: Providing and placing joint sealant compound of cold polysulphide in the grooves after widening the groove to required width, sand blasting the groove face if recommended by the sealant manufacturer, cleaning the groove with air compressor, insertion of debonding strip, priming the sides of the sealant if the sealant manufacturer recommends and pouring the sealant all complete including material, manpower (Non SOR Item)	Rmt	1.00	650			650.00
19.00	Maintenance for 2nd Year: KSRRB 3000 Repair of Joint Grooves with Epoxy Mortar KSRRB M3000-8 Repairs of spalled joints grooves of contraction joints longitudinal joints and expansion joints in concrete pavement using epoxy mortar concrete complete as per specifications.Morth specification No.3005.1 (Page No 257,SI No : 35.8)	Rmt	1.00	650			650.00
20.00	Maintenance for 2nd Year: Providing and laying at or near ground level factory made kerb stone of M- 20 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).	Cum	1	1	0.103		0.10
	(RA Attached)						
21.00	Maintenance for 2nd Year: Providin and fixing pre cast solid concrete Kerb stones as per the drawing,made out of CC 1:2:4 and Jointed with CM 1:3 and finishing cutting, including cost of all materials,labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc.,complete (Page No 25,SI No : 5.3)	Cum	1	100	0.0279		2.79
22.00	Maintenance for 2nd Year: Providin and fixing pre cast solid concrete water table(longitudinal gutter) as per the drawing,made out of CC 1:2:4 and jointed with CM 1:3 and finishing cutting, including cost of all materials,labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc.,complete (Page No 25,SI No : 5.3)		1	100	0.0118		1.18
23.00	Maintenance for 2nd Year: Removing and resetting of kerb stones. including cost of all materials, scaffolding HOM of machineries with all lead and lifts, labour charges including implementation of Environmental and Social Safeguards & as per design, drawing, technical specifications and directions of Engineer-in- charge.	Rmt	100				100.00
24.00	Maintenance for 2nd Year: KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 (Page No 182,SI No : 24.1)		1	500	0.165		82.50
25.00	Maintenance for 2nd Year: P/F FRP Recess Cover (2.5T) 900mmx600 mm with frame on Manhole for electrical ducting.	Nos.	5.00				5.00
26.00	Maintenance for 2nd Year: P/F FRP Recess Cover (2.5T) 600mmx450 mm with frame at raised footpath on SWD. (Rate analysis attached)	Nos.	5.00				5.00
27.00	Maintenance for 2nd Year: P/F FRP Water gully cover with frame (25T) 600mmx500 mm at level footpath. (Rate analysis attached)	Nos.	5.00				5.00
28.00	Maintenance for 2nd Year: Providing gully pipe lowering, laying of PVC 100 mm dia pipes to the required alignments including specials and grade as indicated in drawings/design and hydraulically testing of the pipe line. The rate shall include all jointing materials, testing apparatus and water for testig etc as directed by the Engineer in charge (page No.41, Item No.7, KUWSDB SOR 2016-17)	Rmt	20.00	1.00			20.00
29.00	Maintenance for 2nd Year: KSRB 11-18-17.1 : 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. (PWD SR 2015-16,P.No.86, SI.No.12.89)		20.00				20.00

Sr.No.	Specification	Unit	No.	L	В	D	Qty.
30.00	Maintenance for 2nd Year: KSRRB M800-29.3.Cable Duct Across the road KSRRB M800-29.1. Providing and laying of a reinforced cement concrete pipe duct, 300 mm dia, across the road (new construction), extending from drain to drain in cuts and toe of slope to toe of slope in fills, constructing head walls at both ends, providing a minimum fill of granular material over top and sides of RCC pipe as per IRC:98-1997, bedded on a 0.3 m thick layer of granular material free of rock pieces, outer to outer distance of pipe at least half dia of pipe subject to minimum450 mm in case of double and triple row ducts, joints to be made leak proof, invert level of duct to be above higher than ground level to prevent entry of water and dirt, all as per IRC: 98 - 1997 and approved drawings complete as per specifications. Case-III :Triple row for three utility services.	Rmt	1	20.00			20.00
31.00	Maintenance for 2nd Year: Providing and laying Dia 225mm HDPE Electrical pipe Conduits with Silicore Lubricant inner layer with ribs, dimensional ratio of 13.5,Deflection not greater than 5% when exposed to the normal operating temparature 90°C under the over burden soil presuure and other physical properties comforming to ASTMF 2160 and /or NEMA TC7.The expected service life of HDPE pipe conduits and accessories shall not be less than 50 years. (Market Rate)	Rmt	1	150			150.00
32.00	Maintenance for 2nd Year: Providing and laying Dia 160mm HDPE Electrical pipe Conduits with Silicore Lubricant inner layer with ribs, dimensional ratio of 13.5,Deflection not greater than 5% when exposed to the normal operating temparature 90°C under the over burden soil presuure and other physical properties comforming to ASTMF 2160 and /or NEMA TC7.The expected service life of HDPE pipe conduits and accessories shall not be less than 50 years.(Market Rate)	Rmt	1	100			100.00
33.00	Maintenance for 2nd Year: Providing and Fixixng Spacers for Power Ducts of size 200 mm, to be placed at an interval of 1.5 meter. Spacers shall be made of ABS raw material. (Market rate)	Nos.	20				20.00
34.00	Maintenance for 2nd Year: Providing and Fixixng Spacers for Power Ducts of size 160 mm, to be placed at an interval of 1.5 meter. Spacers shall be made of ABS raw material. (Market rate)	Nos.	20				20.00
35.00	Maintenance for 2nd Year: Supplying 7-way 40mm HDPE pipe Multi-way Duct Silicore Lubricant inner layer for ICT fibre cables comforming to ASTMF 2160 and /or equivalent indian standard and conveying to work site including loading and unloading at both destination and rolling,lowering into trenches,laying true to line and jointing of pipe etc.Complete. (Market Rate)	Rmt	1	40			40.00
36.00	Maintenance for 2nd Year: Supplying and Application charges required for stamping the freshly laid new concrete (Concrete rate is not included in this item) including finishing and colouring the top surface accurately to the required level,shape and size using approved colour shade and staping it using approved stamp pattern and antiquitting it on top with approved colour.Sealing entire area with concrete sealer.	Sqm	1	100	2		200.00
37.00	Maintenance for 2nd Year: Providing and laying heavy duty cobble stones 75mm thick, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 30mm 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. (Page No 101,SI No : 14.7)	Sqm	1.00	50	1.5		75.00
38.00	Maintenance for 2nd Year: KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications MORTH Specification No. 507 -using 100/120 TPH capacity H.M.P. with sensor paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen(KPWD 16-17,S.I.No.21.17.1,Page No.163)	Cum	2.00	2.5	8	0.15	6.00
39.00	Maintenance for 2nd Year: KSRRB M500-19. Providing and laying bituminous concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications. MORTH Specification No. 509 - using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 45 mm) with 6 % VG-40 Bitumen	Cum	2.00	2.5	8	0.04	1.60

Sr.No.	Specification	Unit	No.	L	В	D	Qty.
40.00	Maintenance for 2nd Year: KSRRB M800 Road markers / Road stud KSRRB M800-35. Providing and fixing of road stud 100x 100 mm, diecast in aluminium, resistant to corrosive effect of salt and grit, fitted with lense reflectors, installed in concrete or asphaltic surface by drilling hole 30 mm upto a depth of 60 mm and bedded in a suitable bituminous grout or epoxy mortar, all as per BS: 873 part 4:1973 complete as per specifications	Nos.	50.00				50.00
41.00	Maintenance for 2nd Year: Supply & Installation of Solar Raised Pavement Markers made of polycarbonate molded body with circular shape, solar powered, LED self illumination in active mode, 360 degree illumination and reflective panels with micro prismatic lens in passive mode. The marker shall support a load of20000 kg tested in accordance to IRC 37 and shall be resistantto dust and water ingress according to IP 65 (Ingress Protection 65 is a test which is conducted to check if solar road stud is protected from total dust Ingress and low pressure water jets from any direction) standards and should withstand temperatures in the range of 0 C to 70 C. Color of lighting could be provided in red or yellow (amber) as per requirement and typical frequency of blinking is 1 Hz. There should be current losses of less than 20 micro-amperes at 2.4 V in sleep-charging mode to enhance the life of the marker and a full charge should provide for a minimum autonomy of 50 hours. The height, width and length of the marker shall not be less than 100 mm x 100 mm. Also, the surface diameter of the marker shall not be less than 100 mm respectively. The weight of the marker shall not be less than 00 mm respectively. The weight of the marker shall not exceed 0.5 Kilograms. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation and complete as directed by the engineer.	Nos.	10.00				10.00
42.00	Maintenance for 2nd Year: Road Marking with hot applied Thermoplastic Compound with Reflectrising Glass Beads on Concrete Surface:Providing and laying of hot applied thermoplastic compound 2.5mm thick including reflectorising glass beads at 250 gms and 2 ltr of primer per sqm area,thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35.The finished surface to be level,uniform and free from streak and holes complete as per specifications.MORTH specification No.803 (Page No 192,SI No : 24.57)	Sqm	1.00	4000	0.15		600.00
43.00	Maintenance for 2nd Year: Operation and Maintenance for eToilets Stainless Steel Public Model as specified in Road and Other works BOQ Item No.45.	Nos	4.00				4.00
44.00	Maintenance for 2nd Year: Providing and fixing of S.S. Bollards(SS304) on footpath as specified and directed by Engineer -in-charge (NON SOR Item)	Nos.	2.00				2.00
45.00	Maintenance for 2nd Year: Providing and fixing of railing as detail design in MS HOLLOW SECTION and bars (shop drawing to be approved),with vertical support of 0.9m @2.2mc/c, all complete to the satisfaction of the Landscape architect.(Non SOR Item)	MT	1.00	0.1			0.10
46.00	Maintenance for 2nd Year: Excavation and removal of silt and silt mixed with sand in slussy condition from canal bed including disposing off the same in spoil bank or on the canal embankment in layers as directed etc., complete with lead upto 50 m and all lifts. For Desilting of drains and grit chambers including cost of all materials, scaffolding HOM of machineries with all lead and lifts, labour charges including implementation of Environmental and Social Safeguards & as per design, drawing, technical specifications and directions of Engineer-in- charge.	Cum	2.00	7250	0.7	0.1	1015.00
47.00	Maintenance for 2nd Year: Extra Lead for Disposing off unserviceable materials upto 10 Km beyond initial Lead Item No 17.4 KSRRB M100-4.1-Earth	Cum	1.00	200			200.00
48.00	Maintenance for 2nd Year: Extra Lead for Disposing off unserviceable materials upto 10 Km beyond initial Lead Item No 17.4 KSRRB M100-4.1-Debris	Cum	1.00	70			70.00
49.00	Electrical Works Maintenance for 2nd Year: Dismantling, removal, transportation to client's storage place existing lighting poles (Non SOR Item)	Nos.	1				1.00
50.00	Maintenance for 2nd Year: 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)	Nos.	1				1.00

Sr.No.	Specification	Unit	No.	L	в	D	Qty.
51.00	Maintenance for 2nd Year: 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)	Nos.	1				1.00
52.00	Maintenance for 2nd Year: 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.	1				1.00
53.00	Maintenance for 2nd Year: 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.	1				1.00
54.00	Maintenance for 2nd Year: Painting of Existing street light pole after scrapping the old paint and painted with suitable colour enamel including coping/footing of the pole8mtr and above street light pole (Ref Electrical SOR SI No.16.28.3)	Nos.	241.00				241.00
55.00	Maintenance for 2nd Year: Supply, installation, testing and commissioning of outdoor junction box for mounting MCB/Contactors with all required accessories and componenets	Nos.	1.00				1.00
56.00	Maintenance for 2nd Year: 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.	1.00				1.00
57.00	LT Cable Maintenance for 2nd Year: 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	1	60.00			60.00
58.00	Maintenance for 2nd Year: 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	1	10.00			10.00
59.00	Maintenance for 2nd Year: 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				10.00
60.00	Maintenance for 2nd Year: 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				8.00
61.00	Earthing system Maintenance for 2nd Year: 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	1				1.00
62.00	Maintenance for 2nd Year: 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	1	50			50.00
	Landcaping Works						

Sr.No.	Specification	Unit	No.	L	В	D	Qty.
	SOIL MIXES and Ground Preparation						
63.00	Maintenance for 2nd Year: Supplying and stacking of good earth at site including royalty and carriage upto 5 k.m. lead complete (earth measured in stacks will be reduced by 20% for payment). (Non SOR Item)	Cum	1	20	0.5	0.15	1.50
64.00	Maintenance for 2nd Year: KSRRB M300-Supply at site of work well decayed farm yard manure KSRRB M300-11. Supply at site of work well decayed farm yard manure, from any available source, approved by the engineer in charge including screening and stackin complete as per specifications. MORTH Specification No. 308.2(Page No.152,SI.No.19.90)	Cum	1	15	0.5	0.1	0.75
65.00	Maintenance for 2nd Year: KSRRB M300-Horticulture KSRRB M300-Spreading of sludge farm yard manure or/ and good earth KSRRB M300-1. Spreading of sludge farm yard manure or/ and good earth in required thickness (cost of sludge, farm yard manure or/and good earth to be paid for separately) complete as per specifications. MORTH Specification No. 307 (KPWD SR 16-17,Page No.150,SI No.19.77)		1	40	0.5	0.1	2.00
66.00	Maintenance for 2nd Year: Mixing earth and sludge or manure in the required proportion specified or directed by the Officer-in-charge (Non SOR item)	Cum	1	40	0.5	0.1	2.00
	Soil preparation of Lawn						
67.00	Maintenance for 2nd Year: Maintenance of lawns or Turfing of slopes (rough grassing) for a period of one year including watering etc complete including cost of all materials, scaffolding HOM of machineries with all lead and lifts, labour charges including implementation of Environmental and Social Safeguards & as per design, drawing, technical specifications and directions of Engineer-in-charge.	Sqm	1.00	382.19			382.19
	TURF						
68.00	Maintenance for 2nd Year: ZOYSIA JAPONICA (MAT) (Non SOR Item)	Sqm	1	5	0.6		3.00
	IRRIGATION						
69.00	Maintenance for 2nd Year: Watering with tanker to landscape area and plants for one year	Year	1.00				1.00
70.00	Maintenance for 2nd Year: supply and fixing of irrigation lines such that all the green areas and plants are adequately watered; by means of drip irrigation for trees, sub surface for shrubs and lawn areas / ground covers and pop up sprinklers for lawn areas. (Equipment make - Rainbird or equivalent) All material used should be comply to BSI code. All the necessary value and pump required for complete commissioning to be installed. (Non SOR Item)	Sqm	1	5	0.6		3.00

Assistant Executive Engineer MSCL Mangaluru

Executive Engineer MSCL Mangaluru

	Maintenance for 2nd Year: Taking out existing CC interlocking paver blocks from foot	oath/ central verge	, including re	moval of rubbi
1	etc., disposal of unserviceable material to the dumping grou			
•	and stacking of serviceable material within 50 metre lea			
	attached)	•	5	Ű,
	Basic rate		68.16	
	Maintenance- 2nd year escalation of 8%		5.45	
	Add 10% For area weightage (Mangalore City)		7.36	
		Rate	80.97	
		Nate	00.57	Oqiii
	Maintenance for 2nd Year:			
	KSRRB M200.Dismantling of cement concrete pavem	ent by mechanic	al means i	isina nueuma
	tools, breaking to pieces not exceeding 0.02 cum in volum			
2	disposal of dismantled material stacking serviceble and uns			
2	specifications.MORTH specification No.202.(Including tran			
	5km-Extra)	oporting ondigoo,it		liouding for it
	(Page No 138,SI No : 18.47)			
	Basic rate		899	
	Maintenance- 2nd year escalation of 8%		71.92	
	Add 10% For area weightage (Mangalore City)		97.09	
		Rate	1068.01	
		Nate	1000.01	Culli
	Maintenance for 2nd Year:			
	KSRRB M200-Dismantaling of kerb Stone and Channel KS		montling Korl	h stono by
2	Manual means and disposal of dismantled materials with all			o stone by
3	specifications.MORTH Specification No.202.	i ints and complete	as per	
	(Page No.139,S.I.No.18.49)			
			10.00	
	Basic rate		12.00	
	Maintenance- 2nd year escalation of 8%		0.96	
	Add 10% For area weightage (Mangalore City)		1.3	
		Rate	14.26	Rmt
	Maintenance for 2nd Year:			
	KSRRB M200-13.1. Dismantling of existing structures lil			
4	KSRRB M200-13.1. Dismantling of existing structures lil structure comprising of masonry, cement concrete, wood	work, steel work, i	ncluding T&F	and scaffold
4	KSRRB M200-13.1. Dismantling of existing structures lil structure comprising of masonry, cement concrete, wood wherever necessary, sorting the dismantled material, disp	work, steel work, in osal of unservicea	ncluding T&F	and scaffold and stacking
4	KSRRB M200-13.1. Dismantling of existing structures lil structure comprising of masonry, cement concrete, wood wherever necessary, sorting the dismantled material, disp serviceable material with all lifts complete as per specifi	work, steel work, in osal of unservicea cations. II. By Me	ncluding T&F ble material a achanical Me	e and scaffold and stacking ans. A. Cem
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	Basic rate		41					
	Maintenance- 2nd year escalation of 8%		3.28					
	Add 10% For area weightage (Mangalore City)		4.43					
		Rate	48.71	Cum				
	Maintenance for 2nd Year:							
	KSRB 2-4 : Refilling available earth around pipe lines, cables i							
7	compacting each deposited layer by ramming after watering w							
	including cost of all labour complete as per specifications.(KPWD	16-17,SI N	lo.2.11,Pg. No.	.6)				
			-					
	Basic rate		120					
	Maintenance- 2nd year escalation of 8%		9.6					
	Add 10% For area weightage (Mangalore City)		12.96					
		Rate	142.56	Cum				
	Maintenance for 2nd Year:							
	KSRRB 300-Compaction KSRRB 300-58. Compaction of original							
8	10 tonnes power roller including filling in depression occuring during							
	HOM of machinery complete as per specifications. MORTH / Chap	pter 3.(KP	WD 16-17,SI N	o.19.64,Pg.				
	No.149)							
	Basic rate		6					
	Maintenance- 2nd year escalation of 8%		0.48					
	Add 10% For area weightage (Mangalore City)		0.40					
		Rate		Sqm				
		Nate	7.15	Sqiii				
	Maintenance for 2nd Year:							
	KSRB 4-1.6; Providing and laying in position plain cement con	crete of n	nix M15 Grade	with cement				
	240kgs, with 20mm and down size graded granite metal coarse ag							
	יובאטגעס. שונון בטווווו מווע עטשון פובל עומעכע עומווונל וווכומו נטמופל מע							
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9	@ 0.459cum, machine mixed, concrete laid in layers not exce	eding 15	cms. thick, we	ell compacted,				
9	@ 0.459cum, machine mixed, concrete laid in layers not exce foundation, plinth and cills, ncluding cost of all materials, labour, H	eding 15 IOM of ma	cms. thick, we chinery, curing	ell compacted,				
9	@ 0.459cum, machine mixed, concrete laid in layers not exce	eding 15 IOM of ma	cms. thick, we chinery, curing	ell compacted,				
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9	@ 0.459cum, machine mixed, concrete laid in layers not exce foundation, plinth and cills, ncluding cost of all materials, labour, H specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No. 4.6	eding 15 IOM of ma	cms. thick, we ichinery, curing R 2015-16)	ll compacted, complete as p				
9	@ 0.459cum, machine mixed, concrete laid in layers not exce foundation, plinth and cills, ncluding cost of all materials, labour, H specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No. 4.6 Basic Rate	eding 15 IOM of ma	cms. thick, we ichinery, curing R 2015-16) 5900	ll compacted, complete as p				
9	 @ 0.459cum, machine mixed, concrete laid in layers not exce foundation, plinth and cills, ncluding cost of all materials, labour, H specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No. 4.6) Basic Rate Maintenance- 2nd year escalation of 8% 	eding 15 IOM of ma	cms. thick, we ichinery, curing R 2015-16) 5900 472	ell compacted, complete as p				
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9	 @ 0.459cum, machine mixed, concrete laid in layers not excer foundation, plinth and cills, ncluding cost of all materials, labour, H specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No. 4.6) Basic Rate Maintenance- 2nd year escalation of 8% Add 10% For area weightage (Mangalore City) Maintenance for 2nd Year: KSRRB M400-6.1. Construction of granular sub-base by providing of granite / trap / basalt material, mixing in a mechaical mix pla work site, spreading in uniform layers with motor grader on preprompactor to achieve the desired density, complete as per spe graded granular sub-base material as per 400-1 For Grading- II M. Basic Rate Maintenance for 2nd Year: KSRB 4.2.1 : Providing and laying in position reiforcement ceme cement @340Kgs,with 20mm and down size graded granite m super plasticisers @3 liters confirming to IS 9103-1999 reafirmed layers not exceeding 15cms thick, vibrated for all works in fou walls, return walls, walls (any thickness) including attached buttresses, bed blocks, anchor blocks & plinths etc., machinery, curing, complete but excluding cost of reinforcement as (Page No 13, SI No : 4.10) 	eding 15 IOM of ma of PWD S Rate g close gra nt at OMC pared surf cifications aterial Rate Rate ent concret etal coars d -2008 at ndation fo pilasters, Including per specif	cms. thick, we ichinery, curing R 2015-16) 5900 472 637.2 7009.20 aded crushed s C, carriage of n ace and compo- A. Plant Mix 2166 173.28 233.93 2573.21 ce of design Mi e aggregate @ machine mixed or footings, peo- columnspillars cost of l fications.	Cum Cum Stone aggrega nixed material acting with Pla Method Clo Cum x M25 with Ol 0.47 cum w d,concrete laic dastals, retain s, posts, stru labour,HOM				
10	 @ 0.459cum, machine mixed, concrete laid in layers not excer foundation, plinth and cills, ncluding cost of all materials, labour, H specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No. 4.6 Basic Rate Maintenance- 2nd year escalation of 8% Add 10% For area weightage (Mangalore City) Maintenance for 2nd Year: KSRRB M400-6.1. Construction of granular sub-base by providing of granite / trap / basalt material, mixing in a mechaical mix platwork site, spreading in uniform layers with motor grader on pregraded granular sub-base material as per 400-1 For Grading- II M Basic Rate Maintenance for 2nd Year: KSRB 4.2.1 : Providing and laying in position reiforcement ceme cement @340Kgs,with 20mm and down size graded granite m super plasticisers @3 liters confirming to IS 9103-1999 reafirmed layers not exceeding 15cms thick, vibrated for all works in fou walls,return walls,walls (any thickness) including attached buttresses, bed blocks,anchor blocks & plinths etc., machinery,curing,complete but excluding cost of reinforcement as (Page No 13,SI No : 4.10) Basic Rate 	eding 15 IOM of ma of PWD S Rate Rate g close gra nt at OMC pared surf cifications aterial Rate Rate ent concret etal coars d -2008 at ndation fo pilasters, Including	cms. thick, we ichinery, curing R 2015-16) 5900 472 637.2 7009.20 aded crushed s C, carriage of n ace and comp. A. Plant Mix 2166 173.28 233.93 2573.21 te of design Mi e aggregate @ machine mixed or footings, peo columnspillars cost of l fications.	Cum Cum Stone aggrega nixed material acting with Pla Method Clo Cum x M25 with O 0.47 cum w d,concrete laic dastals, retain s, posts, stru labour,HOM				

	Maintenance for 2nd Year: KSRB 4.6.1 Providing and removing centering, shuttering, strutting for foundations, footings, bases of columns for mass concrete			
12	complete as per specifications. Specification No. KSB 4.6.2			materials, about
	(Page No 15,SI No : 4.28)	-		
	Basic Rate		263	
	Maintenance- 2nd year escalation of 8%		21.04	
	Add 10% For area weightage (Mangalore City)		28.4	
		Rate	312.44	Sqm
13	Maintenance for 2nd Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work incl straighting,cutting,bending,hooking,placing in position,lapping and/o binding wire and anchoring to thr adjoing members wherever neces (laps,hooks and wastage shall not be measured and paid) cost of m complete as per specifications.Specification No. KBS4.6.3. do with TMT bars Fe500	or welding sary com	nplete as per de	esign
	Basic Rate		70782	
	Maintenance- 2nd year escalation of 8%		5662.56	
	Add 10% For area weightage (Mangalore City)		7644.46	
		Rate	84089.02	
		Nate	0-1003.02	
14	KSRRB M300-Construction of Subgrade. KSRRB M300-55. Constr material Gravel/Murrum with all lifts & leads, transporting to site, sp compacted to meet requirement of Table No. 300-2 complete as pe watering charges & compaction by vibratory rollercompaction by vib MORTH Specification No. 305	reading, er specific	grading to requ cations (includir	ired slope and ig cost of earth,
	Decis Dete	1	540	
	Basic Rate		513	
	Maintenance- 2nd year escalation of 8%		41.04	
	Add 20km lead (17.4 KSRRB M100-4.1-Cost of haulage excluding			
	loading and unloading MORTH-100/Chapter 1-case 1-Surface			
	Road)=2.5 Rs/ Tkm x 1.28 T x 20km		51.2	
	Sub Total		605.24	
	Add 10% For area weightage (Mangalore City)		60.52	
		Rate	665.76	Cum
15	Maintenance for 2nd Year: KSRRB M600-1.Construction of dry lean cement concrete mix M15 25mm and down size graded granite/trap/basalt metal coarse aggr 0.58cum Sub-base over prepared sub grade with (coarse and aggregate cement ration not to excee 15:1. Aggregate gradation a cement content to be determined during trail length construction 10Mpa at 7 days,mixed in a batching plant,transported to sensor,compacting with 8-10 tonnes double drum vibratory rolle specifications.Morth specification No.601 (Page No 176,SI No : 22.1)	regate at d fine ag after bler l, concret site,laid	0.86cum and f ggregate confir nding to be as p te strength not with a paver g and curing o	ine aggregate @ ming to IS:383 per Table 600-1 to be less than with electronic complete as per
	Basic Rate		4048	
	Maintenance- 2nd year escalation of 8%		323.84	
	Add 10% For area weightage (Mangalore City)		437.18	
		Rate	4809.02	Cum
16	Maintenance for 2nd Year: KSRRB M600-1.Construction of dry lean cement concrete mix M15 25mm and down size graded granite/trap/basalt metal coarse aggr 0.58cum Sub-base over prepared sub grade with (coarse and aggregate cement ration not to excee 15:1. Aggregate gradation a cement content to be determined during trail length construction 10Mpa at 7 days,mixed in a batching plant,transported to site,M compactor,finishing and curing complete as per specifications.Mort	regate at d fine ag after bler d, concret fanually d	0.86cum and f ggregate confir nding to be as a te strength not laid and compa	ine aggregate @ ming to IS:383 per Table 600-1 to be less thar
	(RA allached)			
	(RA attached) Basic Rate		3680	Ι

	Maintenance- 2nd year escalation of 8%		294.4	
	Add 10% For area weightage (Mangalore City)		397.44	
		Rate	4371.84	
		ituto		
	Maintenance for 2nd Year:	11		
	KSSRRB M600-2.Construction of unreinforced, dowel jointed, pla	ain como	nt concrete na	avement over a
	prepared sub base with 25mm and down size graded granite met			
	at 3 lts confirming to IS9103-1999 reaffirmed 2008(Coarse and fin			
	in a batching and mixing plant as per approved mix design, transp			
. –	spread, compacted and finished in a continuos operation include	ding provi	sion of contra	ction, expansio,
17	construction and longitudinal joints, including groove cutting chr			
	sealent primer, joints sealant, debonding strip, dowel bars at			
	approved, curing compound, finishing to lines and grades as per			
	MORTH specification No.602.do with M40 (420Kg per cum Cemer	nt,C.A,0.67	′ cum F.A.0440	Jum
	(Page No 176,SI No : 22.2.2)			
				-
	Basic Rate		5765	
	Maintenance- 2nd year escalation of 8%		461.2	
	Add 10% For area weightage (Mangalore City)		622.62	
		Rate	6848.82	
				••••
	Maintenance for 2nd Year:			
		in the are	over ofter wid	oning the groove
	Providing and placing joint sealant compound of cold polysulphide			
	to required width, sand blasting the groove face if recommended I			
18	groove with air compressor, insertion of debonding strip, priming			
	manufacturer recommends and pouring the sealant all complete in	cluding ma	aterial, manpov	wer
	(Non SOR Item)			
	Rate Approved as per EOI by MD MSCL Mangalore,Refer			
	Sr.No.2		115	
	Maintenance- 2nd year escalation of 8%		9.2	
		Pata	124.2	
		Rate	124.2	RIII
	Maintenance for 2nd Year:			
	Maintenance for 2nd Year: KSRRB 3000 Repair of Joint Grooves with Epoxy Mortar	1		<u> </u>
19		n joints lo	ngitudinal joint:	s and expansion
19	KSRRB 3000 Repair of Joint Grooves with Epoxy Mortar KSRRB M3000-8 Repairs of spalled joints grooves of contraction			
19	KSRRB 3000 Repair of Joint Grooves with Epoxy Mortar KSRRB M3000-8 Repairs of spalled joints grooves of contraction joints in concrete pavement using epoxy mortar concrete complete			
19	KSRRB 3000 Repair of Joint Grooves with Epoxy Mortar KSRRB M3000-8 Repairs of spalled joints grooves of contraction joints in concrete pavement using epoxy mortar concrete complete No.3005.1		pecifications.Mo	
19	KSRRB 3000 Repair of Joint Grooves with Epoxy Mortar KSRRB M3000-8 Repairs of spalled joints grooves of contraction joints in concrete pavement using epoxy mortar concrete complete No.3005.1 Basic Rate		Decifications.Mo 331	orth specification
19	KSRRB 3000 Repair of Joint Grooves with Epoxy Mortar KSRRB M3000-8 Repairs of spalled joints grooves of contraction joints in concrete pavement using epoxy mortar concrete complete No.3005.1 Basic Rate Maintenance- 2nd year escalation of 8%		26.48	orth specification
19	KSRRB 3000 Repair of Joint Grooves with Epoxy Mortar KSRRB M3000-8 Repairs of spalled joints grooves of contraction joints in concrete pavement using epoxy mortar concrete complete No.3005.1 Basic Rate	as per sp	26.48 35.75	orth specification
19	KSRRB 3000 Repair of Joint Grooves with Epoxy Mortar KSRRB M3000-8 Repairs of spalled joints grooves of contraction joints in concrete pavement using epoxy mortar concrete complete No.3005.1 Basic Rate Maintenance- 2nd year escalation of 8%		331 26.48	orth specification
19	KSRRB 3000 Repair of Joint Grooves with Epoxy Mortar KSRRB M3000-8 Repairs of spalled joints grooves of contraction joints in concrete pavement using epoxy mortar concrete complete No.3005.1 Basic Rate Maintenance- 2nd year escalation of 8% Add 10% For area weightage (Mangalore City)	as per sp	26.48 35.75	orth specification
19	KSRRB 3000 Repair of Joint Grooves with Epoxy Mortar KSRRB M3000-8 Repairs of spalled joints grooves of contraction joints in concrete pavement using epoxy mortar concrete complete No.3005.1 Basic Rate Maintenance- 2nd year escalation of 8% Add 10% For area weightage (Mangalore City) Maintenance for 2nd Year:	Rate	331 26.48 35.75 393.23	Rmt
19	KSRRB 3000 Repair of Joint Grooves with Epoxy Mortar KSRRB M3000-8 Repairs of spalled joints grooves of contraction joints in concrete pavement using epoxy mortar concrete complete No.3005.1 Basic Rate Maintenance- 2nd year escalation of 8% Add 10% For area weightage (Mangalore City)	Rate	331 26.48 35.75 393.23	Rmt
19	KSRRB 3000 Repair of Joint Grooves with Epoxy Mortar KSRRB M3000-8 Repairs of spalled joints grooves of contraction joints in concrete pavement using epoxy mortar concrete complete No.3005.1 Basic Rate Maintenance- 2nd year escalation of 8% Add 10% For area weightage (Mangalore City) Maintenance for 2nd Year: Providing and laying at or near ground level factory made kerb	Rate	331 26.48 35.75 393.23 /-20 grade cer	Rmt concrete in
19	KSRRB 3000 Repair of Joint Grooves with Epoxy Mortar KSRRB M3000-8 Repairs of spalled joints grooves of contraction joints in concrete pavement using epoxy mortar concrete complete No.3005.1 Basic Rate Maintenance- 2nd year escalation of 8% Add 10% For area weightage (Mangalore City) Maintenance for 2nd Year: Providing and laying at or near ground level factory made kerb position to the required line, level and curvature, jointed with ceme	Rate Rate stone of Ment mortar	A-20 grade cer 1:3 (1 cement:	Rmt a coarse sand),
19	KSRRB 3000 Repair of Joint Grooves with Epoxy Mortar KSRRB M3000-8 Repairs of spalled joints grooves of contraction joints in concrete pavement using epoxy mortar concrete complete No.3005.1 Basic Rate Maintenance- 2nd year escalation of 8% Add 10% For area weightage (Mangalore City) Maintenance for 2nd Year: Providing and laying at or near ground level factory made kerb sposition to the required line, level and curvature, jointed with ceme including making joints with or without grooves (thickness of joints	Rate Rate stone of Ment mortar s except a	A-20 grade cert 1:3 (1 cement: t sharp curve s	Rmt Rmt concrete in 3 coarse sand), shall not to more
	KSRRB 3000 Repair of Joint Grooves with Epoxy Mortar KSRRB M3000-8 Repairs of spalled joints grooves of contraction joints in concrete pavement using epoxy mortar concrete complete No.3005.1 Basic Rate Maintenance- 2nd year escalation of 8% Add 10% For area weightage (Mangalore City) Maintenance for 2nd Year: Providing and laying at or near ground level factory made kerb sposition to the required line, level and curvature, jointed with ceme including making joints with or without grooves (thickness of joints than 5mm), including making drainage opening wherever requ	e as per sp Rate Rate stone of M ent mortar s except a uired com	A-20 grade cer 1:3 (1 cement: t sharp curve s plete etc. as	Rmt Rmt concrete in 3 coarse sand), shall not to more
20	KSRRB 3000 Repair of Joint Grooves with Epoxy Mortar KSRRB M3000-8 Repairs of spalled joints grooves of contraction joints in concrete pavement using epoxy mortar concrete complete No.3005.1 Basic Rate Maintenance- 2nd year escalation of 8% Add 10% For area weightage (Mangalore City) Maintenance for 2nd Year: Providing and laying at or near ground level factory made kerb position to the required line, level and curvature, jointed with ceme including making joints with or without grooves (thickness of joints than 5mm), including making drainage opening wherever requ Engineer-in-charge (length of finished kerb edging shall be measure	e as per sp Rate Rate stone of M ent mortar s except a uired com red for pay	A-20 grade cer 1:3 (1 cement: t sharp curve s plete etc. as	Rmt Rmt concrete in 3 coarse sand), shall not to more
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	KSRRB 3000 Repair of Joint Grooves with Epoxy Mortar KSRRB M3000-8 Repairs of spalled joints grooves of contraction joints in concrete pavement using epoxy mortar concrete complete No.3005.1 Basic Rate Maintenance- 2nd year escalation of 8% Add 10% For area weightage (Mangalore City) Maintenance for 2nd Year: Providing and laying at or near ground level factory made kerb position to the required line, level and curvature, jointed with ceme including making joints with or without grooves (thickness of joints than 5mm), including making drainage opening wherever requ Engineer-in-charge (length of finished kerb edging shall be measur (Precast C.C. kerb stone shall be approved by Engineer-in-charge (RA Attached) Rate Arrived as per Rate analysis Basic Rate Maintenance- 2nd year escalation of 8%	e as per sp Rate Rate stone of M ent mortar s except a uired com red for pay	331 26.48 35.75 393.23 /-20 grade cer 1:3 (1 cement: t sharp curve s plete etc. as /ment). 17708.82 1416.71	Rmt Rmt a coarse sand), shall not to more per direction of
	KSRRB 3000 Repair of Joint Grooves with Epoxy Mortar KSRRB M3000-8 Repairs of spalled joints grooves of contraction joints in concrete pavement using epoxy mortar concrete complete No.3005.1 Basic Rate Maintenance- 2nd year escalation of 8% Add 10% For area weightage (Mangalore City) Maintenance for 2nd Year: Providing and laying at or near ground level factory made kerb position to the required line, level and curvature, jointed with ceme including making joints with or without grooves (thickness of joints than 5mm), including making drainage opening wherever requ Engineer-in-charge (length of finished kerb edging shall be measur (Precast C.C. kerb stone shall be approved by Engineer-in-charge (RA Attached) Rate Arrived as per Rate analysis Basic Rate Maintenance- 2nd year escalation of 8%	e as per sp Rate Rate Rate Rate Rate	A-20 grade cer 1:3 (1 cement: t sharp curve s plete etc. as ment). 17708.82 1416.71 1912.55	Rmt Rmt a coarse sand), shall not to more per direction of
	KSRRB 3000 Repair of Joint Grooves with Epoxy Mortar KSRRB M3000-8 Repairs of spalled joints grooves of contraction joints in concrete pavement using epoxy mortar concrete complete No.3005.1 Basic Rate Maintenance- 2nd year escalation of 8% Add 10% For area weightage (Mangalore City) Maintenance for 2nd Year: Providing and laying at or near ground level factory made kerb position to the required line, level and curvature, jointed with ceme including making joints with or without grooves (thickness of joints than 5mm), including making drainage opening wherever requ Engineer-in-charge (length of finished kerb edging shall be measur (Precast C.C. kerb stone shall be approved by Engineer-in-charge (RA Attached) Rate Arrived as per Rate analysis Basic Rate Maintenance- 2nd year escalation of 8%	e as per sp Rate Rate Rate Rate Rate	A-20 grade cer 1:3 (1 cement: t sharp curve s plete etc. as ment). 17708.82 1416.71 1912.55	Rmt Rmt a coarse sand), shall not to more per direction of
	KSRRB 3000 Repair of Joint Grooves with Epoxy Mortar KSRRB M3000-8 Repairs of spalled joints grooves of contraction joints in concrete pavement using epoxy mortar concrete complete No.3005.1 Basic Rate Maintenance- 2nd year escalation of 8% Add 10% For area weightage (Mangalore City) Maintenance for 2nd Year: Providing and laying at or near ground level factory made kerb position to the required line, level and curvature, jointed with ceme including making joints with or without grooves (thickness of joints than 5mm), including making drainage opening wherever requ Engineer-in-charge (length of finished kerb edging shall be measur (Precast C.C. kerb stone shall be approved by Engineer-in-charge (RA Attached) Rate Arrived as per Rate analysis Basic Rate Maintenance- 2nd year escalation of 8% Add 10% For area weightage (Mangalore City) Maintenance for 2nd Year:	Rate Rate Rate Rate Rate Rate	331 26.48 35.75 393.23 A-20 grade cer 1:3 (1 cement: t sharp curve s plete etc. as ment). 17708.82 1416.71 1912.55 21038.08	Rmt Rmt a coarse sand), shall not to more per direction of Cum
	KSRRB 3000 Repair of Joint Grooves with Epoxy Mortar KSRRB M3000-8 Repairs of spalled joints grooves of contraction joints in concrete pavement using epoxy mortar concrete complete No.3005.1 Basic Rate Maintenance- 2nd year escalation of 8% Add 10% For area weightage (Mangalore City) Maintenance for 2nd Year: Providing and laying at or near ground level factory made kerb sposition to the required line, level and curvature, jointed with ceme including making joints with or without grooves (thickness of joints than 5mm), including making drainage opening wherever requ Engineer-in-charge (length of finished kerb edging shall be measur (Precast C.C. kerb stone shall be approved by Engineer-in-charge) (RA Attached) Rate Arrived as per Rate analysis Basic Rate Maintenance- 2nd year escalation of 8% Add 10% For area weightage (Mangalore City) Maintenance for 2nd Year: Providin and fixing pre cast solid concrete Kerb stones as per	Rate Rate Rate Rate Rate Rate Rate	331 26.48 35.75 393.23 A-20 grade cer 1:3 (1 cement: t sharp curve s plete etc. as ment). 17708.82 1416.71 1912.55 21038.08	Rmt Rmt ment concrete in 3 coarse sand), shall not to more per direction of Cum
	KSRRB 3000 Repair of Joint Grooves with Epoxy Mortar KSRRB M3000-8 Repairs of spalled joints grooves of contraction joints in concrete pavement using epoxy mortar concrete complete No.3005.1 Basic Rate Maintenance- 2nd year escalation of 8% Add 10% For area weightage (Mangalore City) Maintenance for 2nd Year: Providing and laying at or near ground level factory made kerb s position to the required line, level and curvature, jointed with ceme including making joints with or without grooves (thickness of joints than 5mm), including making drainage opening wherever requ Engineer-in-charge (length of finished kerb edging shall be measur (Precast C.C. kerb stone shall be approved by Engineer-in-charge) (RA Attached) Rate Arrived as per Rate analysis Basic Rate Maintenance- 2nd year escalation of 8% Add 10% For area weightage (Mangalore City) Maintenance for 2nd Year: Providin and fixing pre cast solid concrete Kerb stones as per Jointed with CM 1:3 and finishing cutting, including cost of	e as per sp Rate Rate Rate stone of M ent mortar s except a uired com red for pay). Rate the drawin of all ma	331 26.48 35.75 393.23 A-20 grade cer 1:3 (1 cement: t sharp curve s plete etc. as ment). 17708.82 1416.71 1912.55 21038.08	Rmt Rmt ment concrete in 3 coarse sand), shall not to more per direction of Cum
20	KSRRB 3000 Repair of Joint Grooves with Epoxy Mortar KSRRB M3000-8 Repairs of spalled joints grooves of contraction joints in concrete pavement using epoxy mortar concrete complete No.3005.1 Basic Rate Maintenance- 2nd year escalation of 8% Add 10% For area weightage (Mangalore City) Maintenance for 2nd Year: Providing and laying at or near ground level factory made kerb position to the required line, level and curvature, jointed with ceme including making joints with or without grooves (thickness of joints than 5mm), including making drainage opening wherever requ Engineer-in-charge (length of finished kerb edging shall be measur (Precast C.C. kerb stone shall be approved by Engineer-in-charge) (RA Attached) Rate Arrived as per Rate analysis Basic Rate Maintenance- 2nd year escalation of 8% Add 10% For area weightage (Mangalore City) Maintenance for 2nd Year: Providin and fixing pre cast solid concrete Kerb stones as per Jointed with CM 1:3 and finishing cutting, including cost machinery,loading,unloading,lead and lift,transportation etc.,compl	e as per sp Rate Rate Rate stone of M ent mortar s except a uired com red for pay). Rate the drawin of all ma	331 26.48 35.75 393.23 A-20 grade cer 1:3 (1 cement: t sharp curve s plete etc. as ment). 17708.82 1416.71 1912.55 21038.08	Rmt Rmt ment concrete in 3 coarse sand), shall not to more per direction of Cum
20	KSRRB 3000 Repair of Joint Grooves with Epoxy Mortar KSRRB M3000-8 Repairs of spalled joints grooves of contraction joints in concrete pavement using epoxy mortar concrete complete No.3005.1 Basic Rate Maintenance- 2nd year escalation of 8% Add 10% For area weightage (Mangalore City) Maintenance for 2nd Year: Providing and laying at or near ground level factory made kerb s position to the required line, level and curvature, jointed with ceme including making joints with or without grooves (thickness of joints than 5mm), including making drainage opening wherever requ Engineer-in-charge (length of finished kerb edging shall be measur (Precast C.C. kerb stone shall be approved by Engineer-in-charge) (RA Attached) Rate Arrived as per Rate analysis Basic Rate Maintenance- 2nd year escalation of 8% Add 10% For area weightage (Mangalore City) Maintenance for 2nd Year: Providin and fixing pre cast solid concrete Kerb stones as per Jointed with CM 1:3 and finishing cutting, including cost of	e as per sp Rate Rate Rate stone of M ent mortar s except a uired com red for pay). Rate the drawin of all ma	331 26.48 35.75 393.23 A-20 grade cer 1:3 (1 cement: t sharp curve s plete etc. as ment). 17708.82 1416.71 1912.55 21038.08	Rmt Rmt ment concrete in 3 coarse sand), shall not to more per direction of Cum
20	KSRRB 3000 Repair of Joint Grooves with Epoxy Mortar KSRRB M3000-8 Repairs of spalled joints grooves of contraction joints in concrete pavement using epoxy mortar concrete complete No.3005.1 Basic Rate Maintenance- 2nd year escalation of 8% Add 10% For area weightage (Mangalore City) Maintenance for 2nd Year: Providing and laying at or near ground level factory made kerb position to the required line, level and curvature, jointed with ceme including making joints with or without grooves (thickness of joints than 5mm), including making drainage opening wherever requ Engineer-in-charge (length of finished kerb edging shall be measur (Precast C.C. kerb stone shall be approved by Engineer-in-charge) (RA Attached) Rate Arrived as per Rate analysis Basic Rate Maintenance- 2nd year escalation of 8% Add 10% For area weightage (Mangalore City) Maintenance for 2nd Year: Providin and fixing pre cast solid concrete Kerb stones as per Jointed with CM 1:3 and finishing cutting, including cost machinery,loading,unloading,lead and lift,transportation etc.,compl	e as per sp Rate Rate Rate stone of M ent mortar s except a uired com red for pay). Rate the drawin of all ma	331 26.48 35.75 393.23 A-20 grade cer 1:3 (1 cement: t sharp curve s plete etc. as ment). 17708.82 1416.71 1912.55 21038.08	Rmt Rmt ment concrete in : 3 coarse sand), shall not to more per direction of Cum

	Maintenance- 2nd year escalation of 8%		1238.5288	
	Add 10% For area weightage		1672.01	
		Rate	18392.15	
	Maintenance for 2nd Year:			•
	Providin and fixing pre cast solid concrete water table(ongitudinal gutter) as p	per the drawing	g,made out of
	CC 1:2:4 and jointed with CM 1:3 and finishing cutting			
22	machinery, loading, unloading, lead and lift, transportation		,	, 0
	(Page No 25,SI No : 5.3)	· · · · · · · · · · · · · · · · · · ·		
	(1 ago 110 20,01110 1 010)			
	Basic rate		15481.61	
	Maintenance- 2nd year escalation of 8%		1238.5288	
	Add 10% For area weightage	Data	1672.01	
		Rate	18392.15	Cum
	Maintenance for 2nd Year:			
	Removing and resetting of kerb stones. including cost			
23	all lead and lifts, labour charges including implementat	ion of Environmental a	nd Social Safe	eguards & as
	design, drawing, technical specifications and directions	of Engineer-in-charge		
	Basic rate		24	
	Maintenance- 2nd year escalation of 8%		1.92	
	Add 10% For area weightage		2.59	
		Rate	2.55	
		Rale	20.31	INOS.
	Maintenance for 2nd Year:			
	KSRRB 800-1. Painting two coats after filling the surface	ce with synthetic enam	el paint in app	roved shades
24	on new plastered concrete surfaces, with materials, lat	our complete as per s	pecifications. I	MORTH Chap
	8			
	(Page No 182,SI No : 24.1)			
	Basic Rate		80	
	Maintenance- 2nd year escalation of 8%		6.4	
	Add 10% For area weightage (Mangalore City)		8.64	
		Rate	95.04	
		Nate	33.04	lodin
	Maintonanco for 1st Voar:			
	Maintenance for 1st Year:	Marshala (an		
25	Maintenance for 1st Year: P/F FRP Recess Cover (2.5T) 900mmx600 mm with f	rame on Manhole for e	lectrical ductir	ng.
25		rame on Manhole for e	lectrical ductir	ng.
25		rame on Manhole for e	lectrical ductir	ng.
25	P/F FRP Recess Cover (2.5T) 900mmx600 mm with f	rame on Manhole for e	lectrical ductir	
25	P/F FRP Recess Cover (2.5T) 900mmx600 mm with f As per Quotation Basic Rate	rame on Manhole for e	10764	
25	P/F FRP Recess Cover (2.5T) 900mmx600 mm with f As per Quotation Basic Rate Discount 30%	rame on Manhole for e	10764 -3229.2	
25	P/F FRP Recess Cover (2.5T) 900mmx600 mm with f As per Quotation Basic Rate Discount 30% Sub Total	rame on Manhole for e	10764 -3229.2 7534.8	
25	P/F FRP Recess Cover (2.5T) 900mmx600 mm with f As per Quotation Basic Rate Discount 30% Sub Total GST 18%	rame on Manhole for e	10764 -3229.2 7534.8 1356.26	
25	P/F FRP Recess Cover (2.5T) 900mmx600 mm with f As per Quotation Basic Rate Discount 30% Sub Total GST 18% Fixing Charges @5%	rame on Manhole for e	10764 -3229.2 7534.8 1356.26 376.74	
25	P/F FRP Recess Cover (2.5T) 900mmx600 mm with f As per Quotation Basic Rate Discount 30% Sub Total GST 18%		10764 -3229.2 7534.8 1356.26 376.74 632.92	
25	P/F FRP Recess Cover (2.5T) 900mmx600 mm with f As per Quotation Basic Rate Discount 30% Sub Total GST 18% Fixing Charges @5%	rame on Manhole for e	10764 -3229.2 7534.8 1356.26 376.74	
25	P/F FRP Recess Cover (2.5T) 900mmx600 mm with f As per Quotation Basic Rate Discount 30% Sub Total GST 18% Fixing Charges @5% Maintenance- 2nd year escalation of 8%		10764 -3229.2 7534.8 1356.26 376.74 632.92	
	P/F FRP Recess Cover (2.5T) 900mmx600 mm with f As per Quotation Basic Rate Discount 30% Sub Total GST 18% Fixing Charges @5% Maintenance- 2nd year escalation of 8% Maintenance for 2nd Year:	Rate	10764 -3229.2 7534.8 1356.26 376.74 632.92 9900.72	Nos.
25	P/F FRP Recess Cover (2.5T) 900mmx600 mm with f As per Quotation Basic Rate Discount 30% Sub Total GST 18% Fixing Charges @5% Maintenance- 2nd year escalation of 8%	Rate	10764 -3229.2 7534.8 1356.26 376.74 632.92 9900.72	Nos.
	P/F FRP Recess Cover (2.5T) 900mmx600 mm with f As per Quotation Basic Rate Discount 30% Sub Total GST 18% Fixing Charges @5% Maintenance- 2nd year escalation of 8% Maintenance for 2nd Year: P/F FRP Recess Cover (2.5T) 900mmx600 mm with f	Rate	10764 -3229.2 7534.8 1356.26 376.74 632.92 9900.72	Nos.
	P/F FRP Recess Cover (2.5T) 900mmx600 mm with f As per Quotation Basic Rate Discount 30% Sub Total GST 18% Fixing Charges @5% Maintenance- 2nd year escalation of 8% Maintenance for 2nd Year: P/F FRP Recess Cover (2.5T) 900mmx600 mm with f As per Quotation	Rate	10764 -3229.2 7534.8 1356.26 376.74 632.92 9900.72 lectrical ductir	Nos.
	P/F FRP Recess Cover (2.5T) 900mmx600 mm with f As per Quotation Basic Rate Discount 30% Sub Total GST 18% Fixing Charges @5% Maintenance- 2nd year escalation of 8% Maintenance for 2nd Year: P/F FRP Recess Cover (2.5T) 900mmx600 mm with f As per Quotation Basic Rate	Rate	10764 -3229.2 7534.8 1356.26 376.74 632.92 9900.72 lectrical ductir 7179.00	Nos.
	P/F FRP Recess Cover (2.5T) 900mmx600 mm with f As per Quotation Basic Rate Discount 30% Sub Total GST 18% Fixing Charges @5% Maintenance- 2nd year escalation of 8% Maintenance for 2nd Year: P/F FRP Recess Cover (2.5T) 900mmx600 mm with f As per Quotation Basic Rate Discount 30%	Rate	10764 -3229.2 7534.8 1356.26 376.74 632.92 9900.72 lectrical ductir 7179.00 -2153.7	Nos.
	P/F FRP Recess Cover (2.5T) 900mmx600 mm with f As per Quotation Basic Rate Discount 30% Sub Total GST 18% Fixing Charges @5% Maintenance- 2nd year escalation of 8% Maintenance for 2nd Year: P/F FRP Recess Cover (2.5T) 900mmx600 mm with f As per Quotation Basic Rate Discount 30% Sub Total	Rate	10764 -3229.2 7534.8 1356.26 376.74 632.92 9900.72 lectrical ductir 7179.00 -2153.7 5025.3	Nos.
	P/F FRP Recess Cover (2.5T) 900mmx600 mm with f As per Quotation Basic Rate Discount 30% Sub Total GST 18% Fixing Charges @5% Maintenance- 2nd year escalation of 8% Maintenance for 2nd Year: P/F FRP Recess Cover (2.5T) 900mmx600 mm with f As per Quotation Basic Rate Discount 30% Sub Total	Rate	10764 -3229.2 7534.8 1356.26 376.74 632.92 9900.72 lectrical ductir 7179.00 -2153.7 5025.3 251.265	ng.
	P/F FRP Recess Cover (2.5T) 900mmx600 mm with f As per Quotation Basic Rate Discount 30% Sub Total GST 18% Fixing Charges @5% Maintenance- 2nd year escalation of 8% Maintenance for 2nd Year: P/F FRP Recess Cover (2.5T) 900mmx600 mm with f As per Quotation Basic Rate Discount 30% Sub Total	Rate	10764 -3229.2 7534.8 1356.26 376.74 632.92 9900.72 lectrical ductir 7179.00 -2153.7 5025.3	ng.
	P/F FRP Recess Cover (2.5T) 900mmx600 mm with f As per Quotation Basic Rate Discount 30% Sub Total GST 18% Fixing Charges @5% Maintenance- 2nd year escalation of 8% Maintenance for 2nd Year: P/F FRP Recess Cover (2.5T) 900mmx600 mm with f As per Quotation Basic Rate Discount 30% Sub Total	Rate	10764 -3229.2 7534.8 1356.26 376.74 632.92 9900.72 lectrical ductir 7179.00 -2153.7 5025.3 251.265	ng.
	P/F FRP Recess Cover (2.5T) 900mmx600 mm with f As per Quotation Basic Rate Discount 30% Sub Total GST 18% Fixing Charges @5% Maintenance- 2nd year escalation of 8% Maintenance for 2nd Year: P/F FRP Recess Cover (2.5T) 900mmx600 mm with f As per Quotation Basic Rate Discount 30% Sub Total	rame on Manhole for e	10764 -3229.2 7534.8 1356.26 376.74 632.92 9900.72 lectrical ductir 7179.00 -2153.7 5025.3 251.265 422.13	ng.
	P/F FRP Recess Cover (2.5T) 900mmx600 mm with f As per Quotation Basic Rate Discount 30% Sub Total GST 18% Fixing Charges @5% Maintenance- 2nd year escalation of 8% Maintenance for 2nd Year: P/F FRP Recess Cover (2.5T) 900mmx600 mm with f As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5% Maintenance for 2nd Year: P/F FRP Recess Cover (2.5T) 900mmx600 mm with f As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5% Maintenance- 2nd year escalation of 8%	rame on Manhole for e	10764 -3229.2 7534.8 1356.26 376.74 632.92 9900.72 lectrical ductir 7179.00 -2153.7 5025.3 251.265 422.13	ng.
26	P/F FRP Recess Cover (2.5T) 900mmx600 mm with f As per Quotation Basic Rate Discount 30% Sub Total GST 18% Fixing Charges @5% Maintenance- 2nd year escalation of 8% Maintenance for 2nd Year: P/F FRP Recess Cover (2.5T) 900mmx600 mm with f As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5% Maintenance for 2nd Year: P/F FRP Recess Cover (2.5T) 900mmx600 mm with f As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5% Maintenance- 2nd year escalation of 8% Maintenance for 2nd Year:	rame on Manhole for e	10764 -3229.2 7534.8 1356.26 376.74 632.92 9900.72 lectrical ductir 7179.00 -2153.7 5025.3 251.265 422.13 5698.70	ng.
	P/F FRP Recess Cover (2.5T) 900mmx600 mm with f As per Quotation Basic Rate Discount 30% Sub Total GST 18% Fixing Charges @5% Maintenance- 2nd year escalation of 8% Maintenance for 2nd Year: P/F FRP Recess Cover (2.5T) 900mmx600 mm with f As per Quotation Basic Rate Discount 30% Sub Total As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5% Maintenance- 2nd year escalation of 8% Maintenance for 2nd Year: P/F FRP Water gully cover with frame (25T) 600mmx8	rame on Manhole for e	10764 -3229.2 7534.8 1356.26 376.74 632.92 9900.72 lectrical ductir 7179.00 -2153.7 5025.3 251.265 422.13 5698.70	ng.
26	P/F FRP Recess Cover (2.5T) 900mmx600 mm with f As per Quotation Basic Rate Discount 30% Sub Total GST 18% Fixing Charges @5% Maintenance- 2nd year escalation of 8% Maintenance for 2nd Year: P/F FRP Recess Cover (2.5T) 900mmx600 mm with f As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5% Maintenance for 2nd Year: P/F FRP Recess Cover (2.5T) 900mmx600 mm with f As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5% Maintenance- 2nd year escalation of 8% Maintenance for 2nd Year:	rame on Manhole for e	10764 -3229.2 7534.8 1356.26 376.74 632.92 9900.72 lectrical ductir 7179.00 -2153.7 5025.3 251.265 422.13 5698.70	ng.
26	P/F FRP Recess Cover (2.5T) 900mmx600 mm with f As per Quotation Basic Rate Discount 30% Sub Total GST 18% Fixing Charges @5% Maintenance- 2nd year escalation of 8% Maintenance for 2nd Year: P/F FRP Recess Cover (2.5T) 900mmx600 mm with f As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5% Maintenance for 2nd Year: P/F FRP Recess Cover (2.5T) 900mmx600 mm with f As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5% Maintenance- 2nd year escalation of 8% P/F FRP Water gully cover with frame (25T) 600mmx8 (Rate analysis attached)	rame on Manhole for e	10764 -3229.2 7534.8 1356.26 376.74 632.92 9900.72 lectrical ductir 7179.00 -2153.7 5025.3 251.265 422.13 5698.70	ng.
26	P/F FRP Recess Cover (2.5T) 900mmx600 mm with f As per Quotation Basic Rate Discount 30% Sub Total GST 18% Fixing Charges @5% Maintenance- 2nd year escalation of 8% Maintenance for 2nd Year: P/F FRP Recess Cover (2.5T) 900mmx600 mm with f As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5% Maintenance for 2nd Year: P/F FRP Recess Cover (2.5T) 900mmx600 mm with f As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5% Maintenance for 2nd Year: P/F FRP Water gully cover with frame (25T) 600mmx8 (Rate analysis attached) As per Quotation	rame on Manhole for e	10764 -3229.2 7534.8 1356.26 376.74 632.92 9900.72 9900.72 lectrical ductir 7179.00 -2153.7 5025.3 251.265 422.13 5698.70 th.	Nos.
26	P/F FRP Recess Cover (2.5T) 900mmx600 mm with f As per Quotation Basic Rate Discount 30% Sub Total GST 18% Fixing Charges @5% Maintenance- 2nd year escalation of 8% Maintenance for 2nd Year: P/F FRP Recess Cover (2.5T) 900mmx600 mm with f As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5% Maintenance for 2nd Year: P/F FRP Recess Cover (2.5T) 900mmx600 mm with f As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5% Maintenance for 2nd Year: P/F FRP Water gully cover with frame (25T) 600mmx8 (Rate analysis attached) As per Quotation Basic Rate	rame on Manhole for e	10764 -3229.2 7534.8 1356.26 376.74 632.92 9900.72 lectrical ductir 7179.00 -2153.7 5025.3 251.265 422.13 5698.70 th.	Nos.
26	P/F FRP Recess Cover (2.5T) 900mmx600 mm with f As per Quotation Basic Rate Discount 30% Sub Total GST 18% Fixing Charges @5% Maintenance- 2nd year escalation of 8% Maintenance for 2nd Year: P/F FRP Recess Cover (2.5T) 900mmx600 mm with f As per Quotation Basic Rate Discount 30% Sub Total As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5% Maintenance- 2nd year escalation of 8% Maintenance for 2nd Year: P/F FRP Water gully cover with frame (25T) 600mmx8 (Rate analysis attached) As per Quotation Basic Rate Discount 30%	rame on Manhole for e	10764 -3229.2 7534.8 1356.26 376.74 632.92 9900.72 lectrical ductir 7179.00 -2153.7 5025.3 251.265 422.13 5698.70 th.	Nos.
26	P/F FRP Recess Cover (2.5T) 900mmx600 mm with f As per Quotation Basic Rate Discount 30% Sub Total GST 18% Fixing Charges @5% Maintenance- 2nd year escalation of 8% Maintenance for 2nd Year: P/F FRP Recess Cover (2.5T) 900mmx600 mm with f As per Quotation Basic Rate Discount 30% Sub Total As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5% Maintenance- 2nd year escalation of 8% Maintenance for 2nd Year: P/F FRP Water gully cover with frame (25T) 600mmx8 (Rate analysis attached) As per Quotation Basic Rate Discount 30% Sub Total	rame on Manhole for e	10764 -3229.2 7534.8 1356.26 376.74 632.92 9900.72 lectrical ductir 7179.00 -2153.7 5025.3 251.265 422.13 5698.70 th. 7912.28 -2373.68 5538.6	Nos.
26	P/F FRP Recess Cover (2.5T) 900mmx600 mm with f As per Quotation Basic Rate Discount 30% Sub Total GST 18% Fixing Charges @5% Maintenance- 2nd year escalation of 8% Maintenance for 2nd Year: P/F FRP Recess Cover (2.5T) 900mmx600 mm with f As per Quotation Basic Rate Discount 30% Sub Total As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5% Maintenance- 2nd year escalation of 8% Maintenance for 2nd Year: P/F FRP Water gully cover with frame (25T) 600mmx8 (Rate analysis attached) As per Quotation Basic Rate Discount 30%	rame on Manhole for e	10764 -3229.2 7534.8 1356.26 376.74 632.92 9900.72 lectrical ductir 7179.00 -2153.7 5025.3 251.265 422.13 5698.70 th.	Nos.

	Maintenance- 2nd year escalation of 8%		465.24	
		Rate	6280.77	Nos.
	Maintenance for 2nd Year:			
	Providing gully pipe lowering, laying of PVC 100 mm dia pipes to	the require	d alignments in	ncluding specia
28	and grade as indicated in drawings/design and hydraulically testi			
28	jointing materials, testing apparatus and water for testi g etc as			
	No.41,Item No.7,KUWSDB SOR 2016-17)	unecteu by		in charge (pa
		- [1
	Basic Rate		297	
	Maintenance- 2nd year escalation of 8%		23.76	
	Add 10% on Labor Charges=Rs.47,For area weightage (Mangalore City)		4.7	
		Rate	325.46	Rm
	Maintenance for 2nd Year:			1
	KSRB 11-18-17.1 : Providing and fixing sand cast iron trap of 100	Omm dia, of	self cleaning d	lesign with
	screwed down or hinged grating with or without vent arm includin			
29	floors, cost of materials, labour, testing, complete as per specifica			
	(PWD SR 2015-16,P.No.86, SI.No.12.89)			0 11.1.10.
	(1 WD SIX 2013-10,1 .110.00, S1.110.12.03)			
	Basic Rate		830	
	Maintenance- 2nd year escalation of 8%		66.4	
	Add 10% For area weightage (Mangalore City)		89.64	
		Rate	986.04	
	Maintenance for 2nd Year:			
	KSRRB M800-29.3.Cable Duct Across the road KSRRB M800-	.29.1 Provi	ding and laving	n of a reinforc
	cement concrete pipe duct, 300 mm dia, across the road (new c			
	in cuts and toe of slope to toe of slope in fills, constructing head			
	of granular material over top and sides of RCC pipe as per IRC:			
30	granular material free of rock pieces, outer to outer distance of	of pipe at l	east half dia o	f pipe subject
	minimum450 mm in case of double and triple row ducts, joints to	be made l	eak proof, inve	rt level of duct
	minimum450 mm in case of double and triple row ducts, joints to be above higher than ground level to prevent entry of water and c			
	be above higher than ground level to prevent entry of water and o	dirt, all as p	er IRC: 98 - 19	
	be above higher than ground level to prevent entry of water and or drawings complete as per specifications. Case-III :Triple row for	dirt, all as p	er IRC: 98 - 19	
	be above higher than ground level to prevent entry of water and or drawings complete as per specifications. Case-III :Triple row for (PWD SR 2015-16,SI.No.24.36)	dirt, all as p	er IRC: 98 - 19 / services.	97 and approv
	be above higher than ground level to prevent entry of water and o drawings complete as per specifications. Case-III :Triple row for (PWD SR 2015-16,SI.No.24.36) Basic Rate	dirt, all as p	er IRC: 98 - 19 / services. 5022	97 and approv
	be above higher than ground level to prevent entry of water and or drawings complete as per specifications. Case-III :Triple row for (PWD SR 2015-16,SI.No.24.36) Basic Rate Maintenance- 2nd year escalation of 8%	dirt, all as p	er IRC: 98 - 19 / services. 5022 401.76	97 and approv
	be above higher than ground level to prevent entry of water and o drawings complete as per specifications. Case-III :Triple row for (PWD SR 2015-16,SI.No.24.36) Basic Rate	dirt, all as p three utility	er IRC: 98 - 19 / services. 5022 401.76 542.38	97 and approv
	be above higher than ground level to prevent entry of water and or drawings complete as per specifications. Case-III :Triple row for (PWD SR 2015-16,SI.No.24.36) Basic Rate Maintenance- 2nd year escalation of 8%	dirt, all as p	er IRC: 98 - 19 / services. 5022 401.76	97 and approv
	be above higher than ground level to prevent entry of water and o drawings complete as per specifications. Case-III :Triple row for (PWD SR 2015-16,SI.No.24.36) Basic Rate Maintenance- 2nd year escalation of 8% Add 10% For area weightage (Mangalore City)	dirt, all as p three utility	er IRC: 98 - 19 / services. 5022 401.76 542.38	97 and approv
	be above higher than ground level to prevent entry of water and or drawings complete as per specifications. Case-III :Triple row for (PWD SR 2015-16,SI.No.24.36) Basic Rate Maintenance- 2nd year escalation of 8% Add 10% For area weightage (Mangalore City) Maintenance for 2nd Year:	dirt, all as p three utility Rate	er IRC: 98 - 19 / services. 5022 401.76 542.38 5966.14	97 and approv
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	be above higher than ground level to prevent entry of water and or drawings complete as per specifications. Case-III :Triple row for (PWD SR 2015-16,SI.No.24.36) Basic Rate Maintenance- 2nd year escalation of 8% Add 10% For area weightage (Mangalore City) Maintenance for 2nd Year: Providing and laying Dia 225mm HDPE Electrical pipe Conduits dimensional ratio of 13.5,Deflection not greater than 5% when ex	dirt, all as p three utility Rate with Silicore posed to th	er IRC: 98 - 19 / services. 5022 401.76 542.38 5966.14 e Lubricant inne e normal opera	97 and approv Rm er layer with ril ting temparatu
31	be above higher than ground level to prevent entry of water and or drawings complete as per specifications. Case-III :Triple row for (PWD SR 2015-16,SI.No.24.36) Basic Rate Maintenance- 2nd year escalation of 8% Add 10% For area weightage (Mangalore City) Maintenance for 2nd Year: Providing and laying Dia 225mm HDPE Electrical pipe Conduits dimensional ratio of 13.5,Deflection not greater than 5% when ex 90°C under the over burden soil presuure and other physical pipe	dirt, all as p three utility Rate with Silicore posed to th roperties co	er IRC: 98 - 19 / services. 5022 401.76 542.38 5966.14 e Lubricant inne e normal operation omforming to A	97 and approv Rm er layer with ril ting temparatu STMF 2160 a
31	be above higher than ground level to prevent entry of water and or drawings complete as per specifications. Case-III :Triple row for (PWD SR 2015-16,SI.No.24.36) Basic Rate Maintenance- 2nd year escalation of 8% Add 10% For area weightage (Mangalore City) Maintenance for 2nd Year: Providing and laying Dia 225mm HDPE Electrical pipe Conduits dimensional ratio of 13.5,Deflection not greater than 5% when ex	dirt, all as p three utility Rate with Silicore posed to th roperties co	er IRC: 98 - 19 / services. 5022 401.76 542.38 5966.14 e Lubricant inne e normal operation omforming to A	97 and approv Rm er layer with ril ting temparatu STMF 2160 a
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31	be above higher than ground level to prevent entry of water and or drawings complete as per specifications. Case-III :Triple row for (PWD SR 2015-16,SI.No.24.36) Basic Rate Maintenance- 2nd year escalation of 8% Add 10% For area weightage (Mangalore City) Maintenance for 2nd Year: Providing and laying Dia 225mm HDPE Electrical pipe Conduits dimensional ratio of 13.5,Deflection not greater than 5% when ex 90°C under the over burden soil presuure and other physical pi /or NEMA TC7.The expected service life of HDPE pipe conduits	dirt, all as p three utility Rate with Silicore posed to th roperties co	er IRC: 98 - 19 / services. 5022 401.76 542.38 5966.14 e Lubricant inne e normal operation omforming to A	97 and approv Rm er layer with ril ting temparatu STMF 2160 a
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	Labour Cost for laying and Jointing-KUWSDB,HDPE Pipes,Item		66	
	No.50,Pg.No.123)		00	
	Add 10% For area weightage (Mangalore City)		6.6	
	Contractor Profit@10%		106.23	
	Sub Total		1068.9	
	Maintenance- 2nd year escalation of 8%		85.51	
		Rate	1154.41	
	Maintenance for 2nd Year:			
33	Providing and Fixing Spacers for Power Ducts of size 200 mm, Spacers shall be made of ABS raw material. (Market rate)	to be plac	ced at an inter	val of 1.5 mete
		1		1
	Basic Rate		1003	
	Contractor Profit@10%		100.3	
	Maintenance- 2nd year escalation of 8%		80.24	
		Rate	1183.54	Nos.
	Maintenance for 2nd Year:			
34	Providing and Fixixng Spacers for Power Ducts of size 160 mm, Spacers shall be made of ABS raw material. (Market rate)	to be pla		val of 1.5 mete
	Basic Rate		1947	
	Contractor Profit@10% Maintenance- 2nd year escalation of 8%		<u> </u>	
		Rate	2297.46	
		Rate	2297.40	NOS.
	Maintenance for 2nd Year:			
35	lloading and unloading at both destination and rolling lowering into	trenches I	aving true to lin	he and iointing
35	loading and unloading at both destination and rolling,lowering into pipe etc.Complete. (Market Rate)	trenches,I	aying true to lir	ne and jointing
35	pipe etc.Complete.	trenches,I	aying true to lir	ne and jointing
35	pipe etc.Complete. (Market Rate) Basic Rate Labour Cost for laying and Jointing-KUWSDB,HDPE Pipes,Item No.50,Pg.No.123)	trenches,I		
35	pipe etc.Complete. (Market Rate) Basic Rate Labour Cost for laying and Jointing-KUWSDB,HDPE Pipes,Item	trenches,I	561.7	
35	pipe etc.Complete. (Market Rate) Basic Rate Labour Cost for laying and Jointing-KUWSDB,HDPE Pipes,Item No.50,Pg.No.123) Add 10% For area weightage (Mangalore City) Contractor Profit@10%		<u>561.7</u> 36 <u>3.6</u> 56.17	
35	pipe etc.Complete. (Market Rate) Basic Rate Labour Cost for laying and Jointing-KUWSDB,HDPE Pipes,Item No.50,Pg.No.123) Add 10% For area weightage (Mangalore City) Contractor Profit@10% Sub Total		<u>561.7</u> 36 <u>3.6</u> 56.17 601.3	
35	pipe etc.Complete. (Market Rate) Basic Rate Labour Cost for laying and Jointing-KUWSDB,HDPE Pipes,Item No.50,Pg.No.123) Add 10% For area weightage (Mangalore City) Contractor Profit@10%		<u>561.7</u> 36 <u>3.6</u> 56.17	
35	pipe etc.Complete. (Market Rate) Basic Rate Labour Cost for laying and Jointing-KUWSDB,HDPE Pipes,Item No.50,Pg.No.123) Add 10% For area weightage (Mangalore City) Contractor Profit@10% Sub Total	trenches,I	<u>561.7</u> 36 <u>3.6</u> 56.17 601.3	
35	pipe etc.Complete. (Market Rate) Basic Rate Labour Cost for laying and Jointing-KUWSDB,HDPE Pipes,Item No.50,Pg.No.123) Add 10% For area weightage (Mangalore City) Contractor Profit@10% Sub Total Maintenance- 2nd year escalation of 8% Maintenance for 2nd Year:	Rate	561.7 36 3.6 56.17 601.3 48.1 649.40	Rm
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	pipe etc.Complete. (Market Rate) Basic Rate Labour Cost for laying and Jointing-KUWSDB,HDPE Pipes,Item No.50,Pg.No.123) Add 10% For area weightage (Mangalore City) Contractor Profit@10% Sub Total Maintenance- 2nd year escalation of 8% Maintenance for 2nd Year: Supplying and Application charges required for stamping the freshl included in this item) including finishing and colouring the top surfa and size using approved colour shade and staping it using approved with approved colour.Sealing entire area with concrete sealer. Basic rate	Rate y laid new ce accura	561.7 36 3.6 56.17 601.3 48.1 649.40 concrete (Cor tely to the requ battern and ant 624.00	Rm acrete rate is no ired level,shap iquitting it on to
	pipe etc.Complete. (Market Rate) Basic Rate Labour Cost for laying and Jointing-KUWSDB,HDPE Pipes,Item No.50,Pg.No.123) Add 10% For area weightage (Mangalore City) Contractor Profit@10% Sub Total Maintenance- 2nd year escalation of 8% Maintenance for 2nd Year: Supplying and Application charges required for stamping the freshl included in this item) including finishing and colouring the top surfa and size using approved colour shade and staping it using approved with approved colour.Sealing entire area with concrete sealer. Basic rate Maintenance- 2nd year escalation of 8%	Rate y laid new ce accura	561.7 36 3.6 56.17 601.3 48.1 649.40 v concrete (Cor tely to the requ battern and ant 624.00 49.92	Rm hcrete rate is no ired level,shap iquitting it on to
	pipe etc.Complete. (Market Rate) Basic Rate Labour Cost for laying and Jointing-KUWSDB,HDPE Pipes,Item No.50,Pg.No.123) Add 10% For area weightage (Mangalore City) Contractor Profit@10% Sub Total Maintenance- 2nd year escalation of 8% Maintenance for 2nd Year: Supplying and Application charges required for stamping the freshl included in this item) including finishing and colouring the top surfa and size using approved colour shade and staping it using approved with approved colour.Sealing entire area with concrete sealer. Basic rate	y laid new ce accura ed stamp p	561.7 36 3.6 56.17 601.3 48.1 649.40 7 concrete (Cor tely to the requi- pattern and ant 624.00 49.92 67.39	Rm hcrete rate is no ired level,shap iquitting it on to
	pipe etc.Complete. (Market Rate) Basic Rate Labour Cost for laying and Jointing-KUWSDB,HDPE Pipes,Item No.50,Pg.No.123) Add 10% For area weightage (Mangalore City) Contractor Profit@10% Sub Total Maintenance- 2nd year escalation of 8% Maintenance for 2nd Year: Supplying and Application charges required for stamping the freshl included in this item) including finishing and colouring the top surfa and size using approved colour shade and staping it using approved with approved colour.Sealing entire area with concrete sealer. Basic rate Maintenance- 2nd year escalation of 8%	Rate y laid new ce accura	561.7 36 3.6 56.17 601.3 48.1 649.40 v concrete (Cor tely to the requ battern and ant 624.00 49.92	Rm ncrete rate is no ired level,shap iquitting it on to
	pipe etc.Complete. (Market Rate) Basic Rate Labour Cost for laying and Jointing-KUWSDB,HDPE Pipes,Item No.50,Pg.No.123) Add 10% For area weightage (Mangalore City) Contractor Profit@10% Sub Total Maintenance- 2nd year escalation of 8% Maintenance for 2nd Year: Supplying and Application charges required for stamping the freshl included in this item) including finishing and colouring the top surfa and size using approved colour shade and staping it using approve with approved colour.Sealing entire area with concrete sealer. Basic rate Maintenance- 2nd year escalation of 8% Add 10% For area weightage (Mangalore City) Maintenance for 2nd Year: Providing and laying heavy duty cobble stones 75mm thick, using of blocks of approved size, shape and colour with a minimum com 30mm thick sand bed (average thickness) and compacting with force thereby forcing part of sand underneath to come up in be surface joints into its final level, including cost of materials, labou per specifications.	Rate y laid new ce accura ed stamp p Rate pressive s plate vibr etween jo	561.7 36 3.6 56.17 601.3 48.1 649.40 7 concrete (Cor tely to the requised outcome (Cor tely to the requised	Rm And the second seco
36	pipe etc.Complete. (Market Rate) Basic Rate Labour Cost for laying and Jointing-KUWSDB,HDPE Pipes,Item No.50,Pg.No.123) Add 10% For area weightage (Mangalore City) Contractor Profit@10% Sub Total Maintenance- 2nd year escalation of 8% Maintenance for 2nd Year: Supplying and Application charges required for stamping the freshl included in this item) including finishing and colouring the top surfa and size using approved colour shade and staping it using approve with approved colour.Sealing entire area with concrete sealer. Basic rate Maintenance- 2nd year escalation of 8% Add 10% For area weightage (Mangalore City) Maintenance for 2nd Year: Providing and laying heavy duty cobble stones 75mm thick, using of blocks of approved size, shape and colour with a minimum com 30mm thick sand bed (average thickness) and compacting with force thereby forcing part of sand underneath to come up in be surface joints into its final level, including cost of materials, labou per specifications. (Page No 101,SI No : 14.7)	Rate y laid new ce accura ed stamp p Rate pressive s plate vibr etween jo	561.7 36 3.6 56.17 601.3 48.1 649.40 7 concrete (Cor tely to the requised the requised of the requised tely to the requised tely to the requised to the requised of the requised of the requised of the requised to the requised of the requised of the requised of the requised tely to the requised of the r	Rm And the second seco
36	pipe etc.Complete. (Market Rate) Basic Rate Labour Cost for laying and Jointing-KUWSDB,HDPE Pipes,Item No.50,Pg.No.123) Add 10% For area weightage (Mangalore City) Contractor Profit@10% Sub Total Maintenance- 2nd year escalation of 8% Maintenance for 2nd Year: Supplying and Application charges required for stamping the freshlincluded in this item) including finishing and colouring the top surfa and size using approved colour shade and staping it using approved with approved colour.Sealing entire area with concrete sealer. Basic rate Maintenance- 2nd year escalation of 8% Add 10% For area weightage (Mangalore City) Maintenance for 2nd Year: Providing and laying heavy duty cobble stones 75mm thick, using of blocks of approved size, shape and colour with a minimum com 30mm thick sand bed (average thickness) and compacting with force thereby forcing part of sand underneath to come up in be surface joints into its final level, including cost of materials, labou per specifications. (Page No 101,SI No : 14.7) Basic rate	Rate y laid new ce accura ed stamp p Rate pressive s plate vibr etween jo	561.7 36 3.6 56.17 601.3 48.1 649.40 7 concrete (Corr tely to the requised outcome (Co	Rm And the second seco
36	pipe etc.Complete. (Market Rate) Basic Rate Labour Cost for laying and Jointing-KUWSDB,HDPE Pipes,Item No.50,Pg.No.123) Add 10% For area weightage (Mangalore City) Contractor Profit@10% Sub Total Maintenance- 2nd year escalation of 8% Maintenance for 2nd Year: Supplying and Application charges required for stamping the freshl included in this item) including finishing and colouring the top surfa and size using approved colour shade and staping it using approve with approved colour.Sealing entire area with concrete sealer. Basic rate Maintenance for 2nd Year: Providing and laying heavy duty cobble stones 75mm thick, using of blocks of approved size, shape and colour with a minimum com 30mm thick sand bed (average thickness) and compacting with force thereby forcing part of sand underneath to come up in bo surface joints into its final level, including cost of materials, labou per specifications. (Page No 101,SI No : 14.7) Basic rate Maintenance- 2nd year escalation of 8%	Rate y laid new ce accura ed stamp p Rate pressive s plate vibr etween jo	561.7 36 3.6 56.17 601.3 48.1 649.40 7 concrete (Cor tely to the request oattern and ant 624.00 49.92 67.39 741.31 nd course sand strength of 281 ator having 3 ints, final com 0M of machine 1114 89.12	Rm And the second seco
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	to achieve the desired compaction as per MORTH table 500-10 c specifications MORTH Specification No. 507 -using 100/120 TPH (50 mm to 75 mm) with 4.5 % VG-30 Bitumen(KPWD 16-17,S.I.No.	omplete capacity	in all respects H.M.P. with se	
	Basic rate		7839	
	Maintenance- 2nd year escalation of 8%		627.12	
	Add 10% For area weightage (Mangalore City)		846.61	
		Rate	9312.73	Cum
39	Maintenance for 2nd Year: KSRRB M500-19. Providing and laying bituminous concrete 40 mr aggregates of specified grading, premixed with bituminous binder a site, laying with a paver finisher to the required grade, level and vibratory and tandem rollers to achieve the desired compaction a 500.9 complete in all respects complete as per specifications. MO TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 45 mm	and filler, alignmen as per M RTH Spe	transporting the t, rolling with s ORTH specific ecification No. {	e hot mix to work smooth wheeled ation clause No. 509 - using40/60
	Basic rate		8761	
	Maintenance- 2nd year escalation of 8%		700.88	
	Add 10% For area weightage (Mangalore City)		946.19	
		Rate	10408.07	Cum
	Maintenance for 2nd Year:			
40	concrete or asphaltic surface by drilling hole 30 mm upto a dep bituminous grout or epoxy mortar, all as per BS: 873 part 4:1973 co Basic rate		s per specificat 289	ions
	Maintenance- 2nd year escalation of 8%		23.12	
	Add 10% For area weightage (Mangalore City)	Poto	31.21 343.33	
		Rate	343.33	NOS.
41	Supply & Installation of Solar Raised Pavement Markers made circular shape, solar powered, LED self illumination in active mode panels with micro prismatic lens in passive mode. The marker sha accordance to IRC 37 and shall be resistantto dust and water ingree 65 is a test which is conducted to check if solar road stud is pro- pressure water jets from any direction) standards and should withs 70 C. Color of lighting could be provided in red or yellow (amber) a of blinking is 1 Hz. There should be current losses of less than 20 m mode to enhance the life of the marker and a full charge should hours. The height, width and length of the marker shall not be less the surface diameter of the marker shall not be less than 100 mm shall not exceed 0.5 Kilograms. Fixing will be by drilling holes of without nails and using epoxy resin based adhesive as per manufa as directed by the engineer.	e, 360 de nall suppo ss accord otected fi tand temp as per rec nicro-amp provide f than 10 m respection the roa	egree illumination ort a load of 20 ding to IP 65 (In rom total dust peratures in the quirement and to peres at 2.4 V is for a minimum mm x 100 mm ively. The weig ad for the shar	on and reflective 000 kg tested in ngress Protection Ingress and low e range of 0 C to typical frequency n sleep-charging autonomy of 50 x 100 mm. Also pht of the market nks to go inside
	Basic rate		2961	
	Maintenance- 2nd year escalation of 8%		236.88	
	Add 10% For area weightage (Mangalore City)		319.79	
		Rate	3517.67	Nos.
41	Maintenance for 2nd Year: Road Marking with hot applied Thermoplastic Compound with F Surface:Providing and laying of hot applied thermoplastic compound glass beads at 250 gms and 2 ltr of primer per sqm area,thickness glass beads as per IRC:35.The finished surface to be level,und	und 2.5m of 2.5mm	m thick includ n is exclusive o	ing reflectorising f surface applied

	Basic Rate		429	
	Maintenance- 2nd year escalation of 8%		34.32	
	Add 10% For area weightage (Mangalore City)		46.33	
		Rate	509.65	Sqm
42	Maintenance for 2nd Year: Operation and Maintenance for eToilets Stainless Steel Public Mod BOQ Item No.45.	lel as spe		
	Baisc rate		61200	
	Maintenance- 2nd year escalation of 8%		4896	
	Rate Approved as per EOI by MD MSCL Mangalore,Refer			
	Sr.No.1	Rate	66096	Nos.
12	Maintenance for 2nd Year: Providing and fixing of S.S. Bollards(SS304) on footpath as specifie (NON SOR Item)	ed and di	rected by Engi	neer -in-charg
		I I I		Γ
	Rate Approved as per EOI by MD MSCL Mangalore,Refer		1500.00	
	Sr.No.13		4500.00	
	Maintenance- 2nd year escalation of 8%		360	
		Rate	4860	Nos.
	Maintenance for 2nd Year:			
	approved),with vertical support of 0.9m @2.2mc/c , all complete t architect.(Non SOR Item) Rate Approved as per EOI by MD MSCL Mangalore,Refer	o the satis	sfaction of the	Landscape
	Sr.No.26		100000.00	
	Maintenance- 2nd year escalation of 8%			
	1 VI all 11 El 1a 11 E - 21 U VEAL ESCALALION OLO 70		8000	
		Rate	8000 108000	
	Maintenance for 2nd Year: Excavation and removal of silt and silt mixed with sand in slussy cc disposing off the same in spoil bank or on the canal embankment ir	n layers as	108000 om canal bed in s directed etc.,	MT ncluding complete with
45	Maintenance for 2nd Year: Excavation and removal of silt and silt mixed with sand in slussy co	ndition from layers as s includir es includir	108000 om canal bed in directed etc., ng cost of all m ng implementa	MT complete with aterials, tion of
45	Maintenance for 2nd Year: Excavation and removal of silt and silt mixed with sand in slussy co disposing off the same in spoil bank or on the canal embankment ir lead upto 50 m and all lifts. For Desilting of drains and grit chamber scaffolding HOM of machineries with all lead and lifts, labour charg Environmental and Social Safeguards & as per design, drawing, ter Engineer-in-charge.	ndition from layers as s includir es includir	108000 om canal bed in a directed etc., ng cost of all m ng implementa ecifications an	MT complete with aterials, tion of d directions of
45	Maintenance for 2nd Year: Excavation and removal of silt and silt mixed with sand in slussy co disposing off the same in spoil bank or on the canal embankment ir lead upto 50 m and all lifts. For Desilting of drains and grit chamber scaffolding HOM of machineries with all lead and lifts, labour charg Environmental and Social Safeguards & as per design, drawing, ter Engineer-in-charge. Basic Rate	ndition from layers as s includir es includir	108000 om canal bed in a directed etc., ng cost of all m ng implementa ecifications an 179.00	MT complete with aterials, tion of d directions of
45	Maintenance for 2nd Year: Excavation and removal of silt and silt mixed with sand in slussy co disposing off the same in spoil bank or on the canal embankment ir lead upto 50 m and all lifts. For Desilting of drains and grit chamber scaffolding HOM of machineries with all lead and lifts, labour charg Environmental and Social Safeguards & as per design, drawing, ter Engineer-in-charge.	ndition fro a layers as s includir es includir chnical sp	108000 om canal bed in s directed etc., ng cost of all m ng implementa ecifications an 179.00 14.32	MT complete with aterials, tion of d directions of
45	Maintenance for 2nd Year: Excavation and removal of silt and silt mixed with sand in slussy co disposing off the same in spoil bank or on the canal embankment ir lead upto 50 m and all lifts. For Desilting of drains and grit chamber scaffolding HOM of machineries with all lead and lifts, labour charg Environmental and Social Safeguards & as per design, drawing, ter Engineer-in-charge. Basic Rate	ndition from layers as s includir es includir	108000 om canal bed in a directed etc., ng cost of all m ng implementa ecifications an 179.00	MT complete with aterials, tion of d directions of
45	Maintenance for 2nd Year: Excavation and removal of silt and silt mixed with sand in slussy co disposing off the same in spoil bank or on the canal embankment ir lead upto 50 m and all lifts. For Desilting of drains and grit chamber scaffolding HOM of machineries with all lead and lifts, labour charg Environmental and Social Safeguards & as per design, drawing, ter Engineer-in-charge. Basic Rate	ndition fro layers as rs includir es includir chnical sp Rate	108000 om canal bed in a directed etc., ng cost of all m ng implementa ecifications an 179.00 14.32 193.32	MT complete with aterials, tion of d directions of
45	Maintenance for 2nd Year: Excavation and removal of silt and silt mixed with sand in slussy condisposing off the same in spoil bank or on the canal embankment in lead upto 50 m and all lifts. For Desilting of drains and grit chamber scaffolding HOM of machineries with all lead and lifts, labour charg Environmental and Social Safeguards & as per design, drawing, tere Engineer-in-charge. Basic Rate Maintenance for 2nd Year: Extra Lead for Disposing off unserviceable materials upto 10 Km between the serviceable materiable materiable materials upto 10 Km between the servi	ndition fro a layers as s includir es includir chnical sp Rate	108000 om canal bed in a directed etc., ng cost of all m ng implementa ecifications an 179.00 14.32 193.32	MT complete with aterials, tion of d directions of
45	Maintenance for 2nd Year: Excavation and removal of silt and silt mixed with sand in slussy condisposing off the same in spoil bank or on the canal embankment in lead upto 50 m and all lifts. For Desilting of drains and grit chamber scaffolding HOM of machineries with all lead and lifts, labour charg Environmental and Social Safeguards & as per design, drawing, terestender in charge. Basic Rate Maintenance for 2nd Year: Extra Lead for Disposing off unserviceable materials upto 10 Km below.	ndition fro a layers as s includir es includir chnical sp Rate	108000 om canal bed in a directed etc., ng cost of all m ng implementa ecifications an 179.00 14.32 193.32 al Lead	MT complete with aterials, tion of d directions of
45	Maintenance for 2nd Year: Excavation and removal of silt and silt mixed with sand in slussy cc disposing off the same in spoil bank or on the canal embankment ir lead upto 50 m and all lifts. For Desilting of drains and grit chamber scaffolding HOM of machineries with all lead and lifts, labour charg Environmental and Social Safeguards & as per design, drawing, ter Engineer-in-charge. Basic Rate Maintenance for 2nd Year: Extra Lead for Disposing off unserviceable materials upto 10 Km be Item No 17.4 KSRRB M100-4.1-Earth Basic rate Add Loading and unloading charges(Item No 17.1 KSRRB M100-	ndition fro a layers as s includir es includir chnical sp Rate	108000 om canal bed in a directed etc., ng cost of all m ng implementa ecifications an 179.00 14.32 193.32 al Lead .28x10km	MT complete with aterials, tion of d directions of
45	Maintenance for 2nd Year: Excavation and removal of silt and silt mixed with sand in slussy codisposing off the same in spoil bank or on the canal embankment in lead upto 50 m and all lifts. For Desilting of drains and grit chamber scaffolding HOM of machineries with all lead and lifts, labour charg Environmental and Social Safeguards & as per design, drawing, tere Engineer-in-charge. Basic Rate Maintenance for 2nd Year: Extra Lead for Disposing off unserviceable materials upto 10 Km be Item No 17.4 KSRRB M100-4.1-Earth Earth Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100-1)	ndition fro a layers as s includir es includir chnical sp Rate	108000 om canal bed in a directed etc., ng cost of all m ng implementa ecifications an 179.00 14.32 193.32 al Lead .28x10km	MT complete with aterials, tion of d directions of Nos.
45	Maintenance for 2nd Year: Excavation and removal of silt and silt mixed with sand in slussy cc disposing off the same in spoil bank or on the canal embankment ir lead upto 50 m and all lifts. For Desilting of drains and grit chamber scaffolding HOM of machineries with all lead and lifts, labour charg Environmental and Social Safeguards & as per design, drawing, ter Engineer-in-charge. Basic Rate Maintenance for 2nd Year: Extra Lead for Disposing off unserviceable materials upto 10 Km be Item No 17.4 KSRRB M100-4.1-Earth Basic rate Add Loading and unloading charges(Item No 17.1 KSRRB M100-	ndition fro a layers as s includir es includir chnical sp Rate	108000 om canal bed in a directed etc., ng cost of all m ng implementa ecifications an <u>179.00</u> 14.32 193.32 al Lead .28x10km 25.60	MT complete with aterials, tion of d directions of Nos.
45	Maintenance for 2nd Year: Excavation and removal of silt and silt mixed with sand in slussy codisposing off the same in spoil bank or on the canal embankment in lead upto 50 m and all lifts. For Desilting of drains and grit chamber scaffolding HOM of machineries with all lead and lifts, labour charg Environmental and Social Safeguards & as per design, drawing, tere Engineer-in-charge. Basic Rate Maintenance for 2nd Year: Extra Lead for Disposing off unserviceable materials upto 10 Km be Item No 17.4 KSRRB M100-4.1-Earth Earth Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100-1)	ndition fro a layers as s includir es includir chnical sp Rate	108000 om canal bed in a directed etc., ng cost of all m ng implementa ecifications an <u>179.00</u> 14.32 193.32 al Lead .28x10km 25.60 68.00	MT complete with aterials, tion of d directions of Nos.
45	Maintenance for 2nd Year: Excavation and removal of silt and silt mixed with sand in slussy condisposing off the same in spoil bank or on the canal embankment in lead upto 50 m and all lifts. For Desilting of drains and grit chamber scaffolding HOM of machineries with all lead and lifts, labour charg Environmental and Social Safeguards & as per design, drawing, tere Engineer-in-charge. Basic Rate Maintenance for 2nd Year: Extra Lead for Disposing off unserviceable materials upto 10 Km belitem No 17.4 KSRRB M100-4.1-Earth Basic rate Add Loading and unloading charges(Item No 17.1 KSRRB M100-1) Sub Total-1	ndition fro a layers as s includir es includir chnical sp Rate	108000 om canal bed in a directed etc., ng cost of all m ng implementa ecifications an <u>179.00</u> 14.32 193.32 al Lead .28x10km 25.60 68.00 93.60	MT complete with aterials, tion of d directions of Nos.
45	Maintenance for 2nd Year: Excavation and removal of silt and silt mixed with sand in slussy codisposing off the same in spoil bank or on the canal embankment ir lead upto 50 m and all lifts. For Desilting of drains and grit chamber scaffolding HOM of machineries with all lead and lifts, labour charg Environmental and Social Safeguards & as per design, drawing, tere Engineer-in-charge. Basic Rate Maintenance for 2nd Year: Extra Lead for Disposing off unserviceable materials upto 10 Km between No 17.4 KSRRB M100-4.1-Earth Earth Basic rate Add Loading and unloading charges(Item No 17.1 KSRRB M100-1) Sub Total-1 Add 10% For area weightage (Mangalore City)	ndition fro a layers as s includir es includir chnical sp Rate	108000 om canal bed in a directed etc., ng cost of all m ng implementa ecifications an <u>179.00</u> 14.32 193.32 al Lead .28x10km 25.60 68.00 93.60 9.36	MT hcluding complete with aterials, tion of d directions of Nos.
45	Maintenance for 2nd Year: Excavation and removal of silt and silt mixed with sand in slussy codisposing off the same in spoil bank or on the canal embankment ir lead upto 50 m and all lifts. For Desilting of drains and grit chambel scaffolding HOM of machineries with all lead and lifts, labour charg Environmental and Social Safeguards & as per design, drawing, terengineer-in-charge. Basic Rate Maintenance for 2nd Year: Extra Lead for Disposing off unserviceable materials upto 10 Km beltem No 17.4 KSRRB M100-4.1-Earth Basic rate Add Loading and unloading charges(Item No 17.1 KSRRB M100-1) Sub Total-1 Add 10% For area weightage (Mangalore City)	ndition fro a layers as s includir es includir chnical sp Rate	108000 om canal bed in s directed etc., ng cost of all m ng implementa ecifications an 179.00 14.32 193.32 al Lead .28x10km 68.00 93.60 9.36 102.96	MT complete with aterials, tion of d directions of Nos.
45 46 46 47	Maintenance for 2nd Year: Excavation and removal of silt and silt mixed with sand in slussy codisposing off the same in spoil bank or on the canal embankment ir lead upto 50 m and all lifts. For Desilting of drains and grit chamber scaffolding HOM of machineries with all lead and lifts, labour charg Environmental and Social Safeguards & as per design, drawing, terengineer-in-charge. Basic Rate Maintenance for 2nd Year: Extra Lead for Disposing off unserviceable materials upto 10 Km better No 17.4 KSRRB M100-4.1-Earth Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100-1) Sub Total-1 Add 10% For area weightage (Mangalore City) Sub Total-2 Maintenance for 2nd Year: Extra Lead for Disposing off unserviceable materials upto 10 Km between the state of the state	eyond initi	108000 om canal bed in s directed etc., ng cost of all m ng implementa ecifications an <u>179.00</u> 14.32 193.32 al Lead <u>.28x10km</u> 25.60 68.00 93.60 9.36 102.96 8.24 111.20 al Lead	MT complete with aterials, tion of d directions of Nos.
45 46 47	Maintenance for 2nd Year: Excavation and removal of silt and silt mixed with sand in slussy condisposing off the same in spoil bank or on the canal embankment in lead upto 50 m and all lifts. For Desilting of drains and grit chamber scaffolding HOM of machineries with all lead and lifts, labour charge Environmental and Social Safeguards & as per design, drawing, tere Engineer-in-charge. Basic Rate Maintenance for 2nd Year: Extra Lead for Disposing off unserviceable materials upto 10 Km between No 17.4 KSRRB M100-4.1-Earth Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100-1) Sub Total-1 Add 10% For area weightage (Mangalore City) Sub Total-2 Maintenance for 2nd Year: Extra Lead for Disposing off unserviceable materials upto 10 Km between No 17.4 KSRRB M100-4.1-Earth Earth Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100-1) Sub Total-1 Add 10% For area weightage (Mangalore City) Sub Total-2 Maintenance for 2nd Year: Extra Lead for Disposing off unserviceable materials upto 10 Km between No 17.4 KSRRB M100-4.1-Debris Debris	eyond initi	108000 om canal bed in s directed etc., ng cost of all m ng implementa ecifications an 179.00 14.32 193.32 al Lead .28x10km 25.60 93.60 9.36 102.96 8.24 111.20 al Lead .30x10Km	MT complete with aterials, tion of d directions of Nos.
45 46 46 47 47	Maintenance for 2nd Year: Excavation and removal of silt and silt mixed with sand in slussy codisposing off the same in spoil bank or on the canal embankment ir lead upto 50 m and all lifts. For Desilting of drains and grit chamber scaffolding HOM of machineries with all lead and lifts, labour charg Environmental and Social Safeguards & as per design, drawing, terengineer-in-charge. Basic Rate Maintenance for 2nd Year: Extra Lead for Disposing off unserviceable materials upto 10 Km between No 17.4 KSRRB M100-4.1-Earth Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100-1) Sub Total-1 Add 10% For area weightage (Mangalore City) Sub Total-2 Maintenance for 2nd Year: Extra Lead for Disposing off unserviceable materials upto 10 Km between No 17.4 KSRRB M100-4.1-Earth Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100-1) Sub Total-1 Add 10% For area weightage (Mangalore City) Sub Total-2 Maintenance for 2nd Year: Extra Lead for Disposing off unserviceable materials upto 10 Km between No 17.4 KSRRB M100-4.1-Debris Debris Baisc rate	eyond initi	108000 om canal bed in s directed etc., ng cost of all m ng implementa ecifications an <u>179.00</u> 14.32 193.32 al Lead <u>.28x10km</u> 25.60 68.00 93.60 9.36 102.96 8.24 111.20 al Lead	MT complete with aterials, tion of d directions of Nos.
45 46 47 47	Maintenance for 2nd Year: Excavation and removal of silt and silt mixed with sand in slussy codisposing off the same in spoil bank or on the canal embankment ir lead upto 50 m and all lifts. For Desilting of drains and grit chamber scaffolding HOM of machineries with all lead and lifts, labour charg Environmental and Social Safeguards & as per design, drawing, terengineer-in-charge. Basic Rate Maintenance for 2nd Year: Extra Lead for Disposing off unserviceable materials upto 10 Km bettem No 17.4 KSRRB M100-4.1-Earth Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100-1) Sub Total-1 Add 10% For area weightage (Mangalore City) Sub Total-2 Maintenance for 2nd Year: Extra Lead for Disposing off unserviceable materials upto 10 Km bettem No 17.4 KSRRB M100-4.1-Debris Debris Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100-1) Sub Total-1 Add Low For area weightage (Mangalore City) Sub Total-2 Maintenance for 2nd Year: Extra Lead for Disposing off unserviceable materials upto 10 Km bettem No 17.4 KSRRB M100-4.1-Debris Debris Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100-4.1-Debris	eyond initi	108000 om canal bed in a directed etc., ng cost of all m ng implementa ecifications an <u>179.00</u> 14.32 193.32 al Lead <u>.28x10km</u> 25.60 68.00 93.60 9.36 102.96 8.24 111.20 al Lead .30x10Km 26.00	MT Including complete with aterials, tion of d directions of Nos. Cum
45 46 46 47 47	Maintenance for 2nd Year: Excavation and removal of silt and silt mixed with sand in slussy or disposing off the same in spoil bank or on the canal embankment in lead upto 50 m and all lifts. For Desilting of drains and grit chambel scaffolding HOM of machineries with all lead and lifts, labour charg Environmental and Social Safeguards & as per design, drawing, terengineer-in-charge. Basic Rate Maintenance for 2nd Year: Extra Lead for Disposing off unserviceable materials upto 10 Km bettern No 17.4 KSRRB M100-4.1-Earth Basic rate Add Loading and unloading charges(Item No 17.1 KSRRB M100-1) Sub Total-1 Add 10% For area weightage (Mangalore City) Sub Total-2 Maintenance for 2nd Year: Extra Lead for Disposing off unserviceable materials upto 10 Km bettern No 17.4 KSRRB M100-4.1-Earth Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100-1) Sub Total-1 Add 10% For area weightage (Mangalore City) Sub Total-2 Maintenance for 2nd Year: Extra Lead for Disposing off unserviceable materials upto 10 Km bettern No 17.4 KSRRB M100-4.1-Debris Debris Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100-11)	eyond initi	108000 om canal bed in a directed etc., ng cost of all m ng implementa ecifications an <u>179.00</u> 14.32 193.32 al Lead .28x10km 25.60 68.00 93.60 9.36 102.96 8.24 111.20 al Lead .30x10Km 26.00 68.00	MT Including complete with paterials, tion of d directions of Nos. Cum
45 46 46 47 47	Maintenance for 2nd Year: Excavation and removal of silt and silt mixed with sand in slussy codisposing off the same in spoil bank or on the canal embankment ir lead upto 50 m and all lifts. For Desilting of drains and grit chamber scaffolding HOM of machineries with all lead and lifts, labour charg Environmental and Social Safeguards & as per design, drawing, terengineer-in-charge. Basic Rate Maintenance for 2nd Year: Extra Lead for Disposing off unserviceable materials upto 10 Km bettem No 17.4 KSRRB M100-4.1-Earth Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100-1) Sub Total-1 Add 10% For area weightage (Mangalore City) Sub Total-2 Maintenance for 2nd Year: Extra Lead for Disposing off unserviceable materials upto 10 Km bettem No 17.4 KSRRB M100-4.1-Debris Debris Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100-1) Sub Total-1 Add Low For area weightage (Mangalore City) Sub Total-2 Maintenance for 2nd Year: Extra Lead for Disposing off unserviceable materials upto 10 Km bettem No 17.4 KSRRB M100-4.1-Debris Debris Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100-4.1-Debris	eyond initi	108000 om canal bed in a directed etc., ng cost of all m ng implementa ecifications an <u>179.00</u> 14.32 193.32 al Lead <u>.28x10km</u> 25.60 68.00 93.60 9.36 102.96 8.24 111.20 al Lead .30x10Km 26.00	MT Including complete with aterials, tion of d directions of Nos. Cum

	Sub Total-2		103.40	
	Maintenance- 2nd year escalation of 8%		8.27	
		Rate	111.67	Cum
	Lighting Poles			
	Maintenance for 2nd Year:	1		
48	Dismantling of pole/ street light standard/ strut embedded in cemen	t concrete	9	
10	foundation etc. as required			
	(Delhi analysis of rates E & M 2016, item 12.42, pg 395))			
	Basic Rate		1,681	
	Maintenance- 2nd year escalation of 8%		134.45	
		Rate	1815.0956	Nos.
	Maintenance for 2nd Year:			
	Lighting Pole, 7 m			
	Fabrication, suppl and erection of 7 meters long hot dip Galvanised	Octagona	al pole with BS	E 10025 grad
	S 355 JO steel plate for shaft, IS 2062 for base plate with oor open	ing arrang	ement, icludin	g suitable
	boards, bakelite sheet and MCBs as per IS specifications suitable f	or wind sp	beed of 47 m/s	ec for 5 m pol
49	in single section and single joint welded as per IS 9595/IS 10178 A			
	dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of	long J b	olts along with	template and
	the pole shall be hot dip galvanized in single dipping with not less the			
	153 etc., (excluding foundation) as per drawing appended		·	
	(Ref Electrical SOR SI No. 5.14.5)			
			40400	
	Basic rate		12420	
	Maintenance- 2nd year escalation of 8%	Data	993.6	
		Rate	13,413.60	NOS.
	Maintenance for 2nd Year:			
	Lighting Pole, 4 m			
	Fabrication, supply and erection of 4 meters long hot dip Galvanise	d Octado	hal nole with R	SE 10025 gra
	S 355 JO steel plate for shaft, IS 2062 for base plate with door ope	ning arran	igement, icludi	ng suitable
50	S 355 JO steel plate for shaft, IS 2062 for base plate with door oper boards, bakelite sheet and MCBs as per IS specifications suitable f	ning arran or wind sp	gement, icludi beed of 47 m/s	ng suitable ec for 5 4 pole
50	S 355 JO steel plate for shaft, IS 2062 for base plate with door oper boards, bakelite sheet and MCBs as per IS specifications suitable f single section and single joint welded as per IS 9595/IS 10178 AWC	ning arran or wind sp G having o	gement, icludi beed of 47 m/s dimensions bo	ng suitable ec for 5 4 pole ttom 130 mm
50	S 355 JO steel plate for shaft, IS 2062 for base plate with door oper boards, bakelite sheet and MCBs as per IS specifications suitable for single section and single joint welded as per IS 9595/IS 10178 AWG dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of lo	ning arran or wind sp G having o ong J bolts	gement, icludi beed of 47 m/s dimensions bo s along with ter	ng suitable ec for 5 4 pole ttom 130 mm nplate and the
50	S 355 JO steel plate for shaft, IS 2062 for base plate with door oper boards, bakelite sheet and MCBs as per IS specifications suitable for single section and single joint welded as per IS 9595/IS 10178 AWG dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of lo	ning arran or wind sp G having o ong J bolts	gement, icludi beed of 47 m/s dimensions bo s along with ter	ng suitable ec for 5 4 pole ttom 130 mm nplate and the
50	S 355 JO steel plate for shaft, IS 2062 for base plate with door oper boards, bakelite sheet and MCBs as per IS specifications suitable for single section and single joint welded as per IS 9595/IS 10178 AWC dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of log pole shall be hot dip galvanized in single dipping with not less than	ning arran or wind sp G having o ong J bolts	gement, icludi beed of 47 m/s dimensions bo s along with ter	ng suitable ec for 5 4 pole ttom 130 mm nplate and the
50	S 355 JO steel plate for shaft, IS 2062 for base plate with door oper boards, bakelite sheet and MCBs as per IS specifications suitable f single section and single joint welded as per IS 9595/IS 10178 AWC dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of lo pole shall be hot dip galvanized in single dipping with not less than etc., (excluding foundation) as per drawing appended	ning arran or wind sp G having o ong J bolts	gement, icludi beed of 47 m/s dimensions bo s along with ter	ng suitable ec for 5 4 pole ttom 130 mm nplate and the
50	S 355 JO steel plate for shaft, IS 2062 for base plate with door ope boards, bakelite sheet and MCBs as per IS specifications suitable f single section and single joint welded as per IS 9595/IS 10178 AWG dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of lo pole shall be hot dip galvanized in single dipping with not less than etc., (excluding foundation) as per drawing appended (Ref Electrical SOR SI No.5.14.2)	ning arran or wind sp G having o ong J bolts	gement, icludi beed of 47 m/s dimensions bo along with ter as per ASTM	ng suitable ec for 5 4 pole ttom 130 mm nplate and the - A123 and 15
50	S 355 JO steel plate for shaft, IS 2062 for base plate with door ope boards, bakelite sheet and MCBs as per IS specifications suitable f single section and single joint welded as per IS 9595/IS 10178 AWG dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of lo pole shall be hot dip galvanized in single dipping with not less than etc., (excluding foundation) as per drawing appended (Ref Electrical SOR SI No.5.14.2) Basic rate	ning arran or wind sp G having o ong J bolts	gement, icludi beed of 47 m/s dimensions bo along with ter as per ASTM 7398	ng suitable ec for 5 4 pole ttom 130 mm nplate and the - A123 and 18
50	S 355 JO steel plate for shaft, IS 2062 for base plate with door ope boards, bakelite sheet and MCBs as per IS specifications suitable f single section and single joint welded as per IS 9595/IS 10178 AWG dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of lo pole shall be hot dip galvanized in single dipping with not less than etc., (excluding foundation) as per drawing appended (Ref Electrical SOR SI No.5.14.2)	ning arran or wind sp G having o ong J bolts	gement, icludi beed of 47 m/s dimensions bor a along with ter a as per ASTM 7398 591.84	ng suitable ec for 5 4 pole ttom 130 mm nplate and the - A123 and 18
50	S 355 JO steel plate for shaft, IS 2062 for base plate with door ope boards, bakelite sheet and MCBs as per IS specifications suitable f single section and single joint welded as per IS 9595/IS 10178 AWG dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of lo pole shall be hot dip galvanized in single dipping with not less than etc., (excluding foundation) as per drawing appended (Ref Electrical SOR SI No.5.14.2) Basic rate	ning arran or wind sp G having o ong J bolts	gement, icludi beed of 47 m/s dimensions bo along with ter as per ASTM 7398	ng suitable ec for 5 4 pole ttom 130 mm nplate and the - A123 and 18
50	S 355 JO steel plate for shaft, IS 2062 for base plate with door ope boards, bakelite sheet and MCBs as per IS specifications suitable f single section and single joint welded as per IS 9595/IS 10178 AWG dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of lo pole shall be hot dip galvanized in single dipping with not less than etc., (excluding foundation) as per drawing appended (Ref Electrical SOR SI No.5.14.2) Basic rate	ning arran or wind sp G having o ong J bolts 65 micror	gement, icludi beed of 47 m/s dimensions bor a along with ter a as per ASTM 7398 591.84	ng suitable ec for 5 4 pole ttom 130 mm nplate and the - A123 and 19
50	S 355 JO steel plate for shaft, IS 2062 for base plate with door oper boards, bakelite sheet and MCBs as per IS specifications suitable f single section and single joint welded as per IS 9595/IS 10178 AWG dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of lo pole shall be hot dip galvanized in single dipping with not less than etc., (excluding foundation) as per drawing appended (Ref Electrical SOR SI No.5.14.2) Basic rate Maintenance- 2nd year escalation of 8% Maintenance for 2nd Year:	ning arran or wind sp G having o ong J bolts 65 micror Rate	gement, icludi beed of 47 m/s dimensions bors along with ter as per ASTM 7398 591.84 7,989.84	ng suitable ec for 5 4 pole ttom 130 mm nplate and the - A123 and 19 Nos.
	S 355 JO steel plate for shaft, IS 2062 for base plate with door oper boards, bakelite sheet and MCBs as per IS specifications suitable f single section and single joint welded as per IS 9595/IS 10178 AWG dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of lo pole shall be hot dip galvanized in single dipping with not less than etc., (excluding foundation) as per drawing appended (Ref Electrical SOR SI No.5.14.2) Basic rate Maintenance- 2nd year escalation of 8% Maintenance for 2nd Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for	ning arran or wind sp G having o ong J bolts 65 micror Rate	gement, icludi beed of 47 m/s dimensions bors along with ter as per ASTM 7398 591.84 7,989.84	ng suitable ec for 5 4 pole ttom 130 mm nplate and the - A123 and 15
50	S 355 JO steel plate for shaft, IS 2062 for base plate with door oper boards, bakelite sheet and MCBs as per IS specifications suitable f single section and single joint welded as per IS 9595/IS 10178 AWG dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of lo pole shall be hot dip galvanized in single dipping with not less than etc., (excluding foundation) as per drawing appended (Ref Electrical SOR SI No.5.14.2) Basic rate Maintenance- 2nd year escalation of 8% Maintenance for 2nd Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete	ning arran or wind sp G having o ong J bolts 65 micror Rate	gement, icludi beed of 47 m/s dimensions bors along with ter as per ASTM 7398 591.84 7,989.84	ng suitable ec for 5 4 pole ttom 130 mm nplate and the - A123 and 19 Nos.
	S 355 JO steel plate for shaft, IS 2062 for base plate with door ope boards, bakelite sheet and MCBs as per IS specifications suitable f single section and single joint welded as per IS 9595/IS 10178 AWG dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of lo pole shall be hot dip galvanized in single dipping with not less than etc., (excluding foundation) as per drawing appended (Ref Electrical SOR SI No.5.14.2) Basic rate Maintenance- 2nd year escalation of 8% Maintenance for 2nd Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Double Cross arm - 1500 mm	ning arran or wind sp G having o ong J bolts 65 micror Rate	gement, icludi beed of 47 m/s dimensions bors along with ter as per ASTM 7398 591.84 7,989.84	ng suitable ec for 5 4 pole ttom 130 mm nplate and the - A123 and 15
	S 355 JO steel plate for shaft, IS 2062 for base plate with door ope boards, bakelite sheet and MCBs as per IS specifications suitable f single section and single joint welded as per IS 9595/IS 10178 AWG dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of lo pole shall be hot dip galvanized in single dipping with not less than etc., (excluding foundation) as per drawing appended (Ref Electrical SOR SI No.5.14.2) Basic rate Maintenance- 2nd year escalation of 8% Maintenance for 2nd Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Double Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.5)	ning arran or wind sp G having o ong J bolts 65 micror Rate	igement, icludi beed of 47 m/s dimensions bor a along with ter a as per ASTM 7398 591.84 7,989.84 minaries and r	ng suitable ec for 5 4 pole ttom 130 mm nplate and the - A123 and 18 Nos.
	S 355 JO steel plate for shaft, IS 2062 for base plate with door ope boards, bakelite sheet and MCBs as per IS specifications suitable f single section and single joint welded as per IS 9595/IS 10178 AWG dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of lo pole shall be hot dip galvanized in single dipping with not less than etc., (excluding foundation) as per drawing appended (Ref Electrical SOR SI No.5.14.2) Basic rate Maintenance- 2nd year escalation of 8% Maintenance for 2nd Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Double Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.5) Basic rate	ning arran or wind sp G having o ong J bolts 65 micror Rate	igement, icludi beed of 47 m/s dimensions bor a along with ter as per ASTM 7398 591.84 7,989.84 iminaries and r 3540	ng suitable ec for 5 4 pole ttom 130 mm nplate and the - A123 and 19 Nos. mounted on
	S 355 JO steel plate for shaft, IS 2062 for base plate with door ope boards, bakelite sheet and MCBs as per IS specifications suitable f single section and single joint welded as per IS 9595/IS 10178 AWG dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of lo pole shall be hot dip galvanized in single dipping with not less than etc., (excluding foundation) as per drawing appended (Ref Electrical SOR SI No.5.14.2) Basic rate Maintenance- 2nd year escalation of 8% Maintenance for 2nd Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Double Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.5)	ning arran or wind sp G having o ong J bolts 65 micror Rate outdoor lu	igement, icludi beed of 47 m/s dimensions bor a along with ter a as per ASTM 7398 591.84 7,989.84 iminaries and r 3540 283.2	ng suitable ec for 5 4 pole ttom 130 mm nplate and the - A123 and 18 Nos. Nos.
	S 355 JO steel plate for shaft, IS 2062 for base plate with door ope boards, bakelite sheet and MCBs as per IS specifications suitable f single section and single joint welded as per IS 9595/IS 10178 AWG dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of lo pole shall be hot dip galvanized in single dipping with not less than etc., (excluding foundation) as per drawing appended (Ref Electrical SOR SI No.5.14.2) Basic rate Maintenance- 2nd year escalation of 8% Maintenance for 2nd Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Double Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.5) Basic rate	ning arran or wind sp G having o ong J bolts 65 micror Rate	igement, icludi beed of 47 m/s dimensions bor a along with ter as per ASTM 7398 591.84 7,989.84 iminaries and r 3540	ng suitable ec for 5 4 pole ttom 130 mm nplate and the - A123 and 18 Nos. Nos.
	S 355 JO steel plate for shaft, IS 2062 for base plate with door ope boards, bakelite sheet and MCBs as per IS specifications suitable f single section and single joint welded as per IS 9595/IS 10178 AWG dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of lo pole shall be hot dip galvanized in single dipping with not less than etc., (excluding foundation) as per drawing appended (Ref Electrical SOR SI No.5.14.2) Basic rate Maintenance- 2nd year escalation of 8% Maintenance for 2nd Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Double Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.5) Basic rate Maintenance- 2nd year escalation of 8% Maintenance- 2nd year escalation of 8%	ning arran or wind sp G having o ong J bolts 65 micror Rate outdoor lu	rgement, icludi beed of 47 m/s dimensions bor a along with ter a as per ASTM 7398 591.84 7,989.84 minaries and r 3540 283.2 3,823.20	ng suitable ec for 5 4 pole ttom 130 mm nplate and the - A123 and 19 Nos. Mos.
	S 355 JO steel plate for shaft, IS 2062 for base plate with door ope boards, bakelite sheet and MCBs as per IS specifications suitable f single section and single joint welded as per IS 9595/IS 10178 AWG dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of lo pole shall be hot dip galvanized in single dipping with not less than etc., (excluding foundation) as per drawing appended (Ref Electrical SOR SI No.5.14.2) Basic rate Maintenance- 2nd year escalation of 8% Maintenance for 2nd Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Double Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.5) Basic rate	ning arran or wind sp G having o ong J bolts 65 micror Rate outdoor lu	rgement, icludi beed of 47 m/s dimensions bor a along with ter a as per ASTM 7398 591.84 7,989.84 minaries and r 3540 283.2 3,823.20	ng suitable ec for 5 4 pole ttom 130 mm nplate and the - A123 and 19 Nos. Mos.
	S 355 JO steel plate for shaft, IS 2062 for base plate with door ope boards, bakelite sheet and MCBs as per IS specifications suitable f single section and single joint welded as per IS 9595/IS 10178 AWG dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of lo pole shall be hot dip galvanized in single dipping with not less than etc., (excluding foundation) as per drawing appended (Ref Electrical SOR SI No.5.14.2) Basic rate Maintenance- 2nd year escalation of 8% Maintenance for 2nd Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Double Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.5) Basic rate Maintenance- 2nd year escalation of 8% Maintenance- 2nd year escalation of 8%	ning arran or wind sp G having o ong J bolts 65 micror Rate outdoor lu	rgement, icludi beed of 47 m/s dimensions bor a along with ter a as per ASTM 7398 591.84 7,989.84 minaries and r 3540 283.2 3,823.20	ng suitable ec for 5 4 pole ttom 130 mm nplate and the - A123 and 19 Nos. Mos.
51	S 355 JO steel plate for shaft, IS 2062 for base plate with door ope boards, bakelite sheet and MCBs as per IS specifications suitable f single section and single joint welded as per IS 9595/IS 10178 AWG dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of lo pole shall be hot dip galvanized in single dipping with not less than etc., (excluding foundation) as per drawing appended (Ref Electrical SOR SI No.5.14.2) Basic rate Maintenance- 2nd year escalation of 8% Maintenance for 2nd Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Double Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.5) Basic rate Maintenance- 2nd year escalation of 8% Maintenance- 2nd year escalation of 8%	ning arran or wind sp G having o ong J bolts 65 micror Rate outdoor lu	rgement, icludi beed of 47 m/s dimensions bor a along with ter a as per ASTM 7398 591.84 7,989.84 minaries and r 3540 283.2 3,823.20	ng suitable ec for 5 4 pole ttom 130 mm nplate and the - A123 and 19 Nos. Mos.
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54	Maintenance for 2nd Year: Supply, installation, testing and commissioning of outdoor junction all required accessories and componenets	box for m	ounting MCB/C	contactors with
	Price list (Considering 30% discount , 18% GST & 10% profit)		11782.92	
	Maintenance- 2nd year escalation of 8%		942.63	
		Rate	12,726	
			,	
55	Maintenance for 2nd Year: Supply and fixing of miniature circuit breaker on exisiting board usin type curve, indicator ON/OFF, energy cross-3 with short circuit brea as required confirming to IEC 60898 5- 32A TPN Electrical SOR- 6.16.5)		acity of 10 KA	
	Basic rate		1547	
	Maintenance- 2nd year escalation of 8%		123.76	
		Rate	1,671	Nos.
	LT Cable Maintenance for 2nd Year:			
56	Supplying of 1.1 kV LT cable having aluminium conductor PVC inst galvanised, steel strips (except 2C x 10 sq. mm wire armoured) as outer sheathed armoured cable as per IS - 1554 Part 1:1988 & con 4 Core x16 Sq.mm PVC Aluminium Conductor, (Ref Electrical SOR SI No.7.5,7.5.4)	per IS-39	75:1990 and e GTP of GROI	xtruded PVC JP B
	Basic rate		117	
	Maintenance- 2nd year escalation of 8%		9.36	
		Rate	126.36	Rm
57	Supply and drawing flexible multicore cable with electrolyte grade f conforming to Table 3 Class 5 of IS:8130-1984 and vargin PVC ins	ulation an	d sheathed su	
57	conforming to Table 3 Class 5 of IS:8130-1984 and vargin PVC ins working voltage up to 1100 V as per IS-694:1990 and conforming to 3C x 2.5 sq. mm (Ref. Electrical SOR 2.8.8)	ulation an	d sheathed su Group A.	table for
57	conforming to Table 3 Class 5 of IS:8130-1984 and vargin PVC ins working voltage up to 1100 V as per IS-694:1990 and conforming to 3C x 2.5 sq. mm (Ref. Electrical SOR 2.8.8) Basic rate	ulation an	d sheathed su Group A. 81.6	table for
57	conforming to Table 3 Class 5 of IS:8130-1984 and vargin PVC ins working voltage up to 1100 V as per IS-694:1990 and conforming to 3C x 2.5 sq. mm (Ref. Electrical SOR 2.8.8)	ulation an	d sheathed su Group A. 81.6 6.53	table for
57	conforming to Table 3 Class 5 of IS:8130-1984 and vargin PVC ins working voltage up to 1100 V as per IS-694:1990 and conforming to 3C x 2.5 sq. mm (Ref. Electrical SOR 2.8.8) Basic rate	ulation an	d sheathed su Group A. 81.6	table for
57	conforming to Table 3 Class 5 of IS:8130-1984 and vargin PVC ins working voltage up to 1100 V as per IS-694:1990 and conforming to 3C x 2.5 sq. mm (Ref. Electrical SOR 2.8.8) Basic rate Maintenance- 2nd year escalation of 8% Maintenance for 2nd Year: Supplying tinned copper lugs and crimping and wiring to terminal per 16 Sq.mm PVC Aluminium Conductor (Ref Electrical SOR SI No.7.21,7.21.6)	ulation an o GTP of Rate	d sheathed su Group A. 81.6 6.53 88.13 re of following	table for
	conforming to Table 3 Class 5 of IS:8130-1984 and vargin PVC ins working voltage up to 1100 V as per IS-694:1990 and conforming to 3C x 2.5 sq. mm (Ref. Electrical SOR 2.8.8) Basic rate Maintenance- 2nd year escalation of 8% Maintenance for 2nd Year: Supplying tinned copper lugs and crimping and wiring to terminal per 16 Sq.mm PVC Aluminium Conductor (Ref Electrical SOR SI No.7.21,7.21.6) Basic rate	ulation an o GTP of Rate	d sheathed su Group A. 81.6 6.53 88.13 re of following 11.31	Rm sizes
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61	Supply and running GI conductor for grounding and (along with o using necessasary suitable size clamps, nails, guttas/spacers etc			
	(Ref Electrical SOR SI No.7.22.3)			
	Basic rate		19.5	
	Maintenance- 2nd year escalation of 8%		1.56	
		Rate	21.06	
62	Maintenance for 2nd Year: Supplying and stacking of good earth at site including royalty and measured in stacks will be reduced by 20% for payment). (Non SOR Item)	d carriage up	oto 5 k.m. lead	l complete (ea
	Rate Approved as per EOI by MD MSCL Mangalore, Refer			
	Sr.No.27		140.00	
	Maintenance- 2nd year escalation of 8%		11.2	
		Rate	151.20	Cum
	Maintenance for 2nd Year:			
63	including screening and stackin complete as per specification No.152,SI.No.19.90) Basic rate	IS. MORTH	204	
	Maintenance- 2nd year escalation of 8%	_	16.32	
	Add 10% For area weightage		22.03	
		Rate	242.35	Cum
	MORTH Specification No. 307	,		
	MORTH Specification No. 307 (KPWD SR 16-17,Page No.150,SI No.19.77) Basic rate Maintenance- 2nd year escalation of 8%		<u> </u>	
	(KPWD SR 16-17,Page No.150,SI No.19.77) Basic rate		103 8.24 11.12	
	(KPWD SR 16-17,Page No.150,SI No.19.77) Basic rate Maintenance- 2nd year escalation of 8%	Rate	103 8.24	
65	(KPWD SR 16-17,Page No.150,SI No.19.77) Basic rate Maintenance- 2nd year escalation of 8% Add 10% For area wightage Maintenance for 2nd Year: Mixing earth and sludge or manure in the required proportion specific (Non SOR item)	Rate	103 8.24 11.12 122.36	Cum
65	(KPWD SR 16-17,Page No.150,SI No.19.77) Basic rate Maintenance- 2nd year escalation of 8% Add 10% For area wightage Maintenance for 2nd Year: Mixing earth and sludge or manure in the required proportion specified	Rate	103 8.24 11.12 122.36	Cum
65	(KPWD SR 16-17,Page No.150,SI No.19.77) Basic rate Maintenance- 2nd year escalation of 8% Add 10% For area wightage Maintenance for 2nd Year: Mixing earth and sludge or manure in the required proportion spectrum (Non SOR item) Rate Approved as per EOI by MD MSCL Mangalore,Refer	Rate	103 8.24 11.12 122.36 ected by the O	Cum
65	(KPWD SR 16-17,Page No.150,SI No.19.77) Basic rate Maintenance- 2nd year escalation of 8% Add 10% For area wightage Maintenance for 2nd Year: Mixing earth and sludge or manure in the required proportion spectrum (Non SOR item) Rate Approved as per EOI by MD MSCL Mangalore,Refer Sr.No.28	Rate	103 8.24 11.12 122.36 ected by the O	Cum fficer-in-charge
	 (KPWD SR 16-17,Page No.150,SI No.19.77) Basic rate Maintenance- 2nd year escalation of 8% Add 10% For area wightage Maintenance for 2nd Year: Mixing earth and sludge or manure in the required proportion spe (Non SOR item) Rate Approved as per EOI by MD MSCL Mangalore,Refer Sr.No.28 Maintenance- 2nd year escalation of 8% Maintenance for 2nd Year: Maintenance of lawns or Turfing of slopes (rough grassing) for a complete including cost of all materials, scaffolding HOM of r charges including implementation of Environmental and Socia technical specifications and directions of Engineer-in-charge. Basic rate 	Rate Rate Rate Rate	103 8.24 11.12 122.36 ected by the O 23.91 1.91 25.82 ne year includ with all lead Is & as per o 103	Cum fficer-in-charge Cum ding watering of and lifts, labo design, drawin
	 (KPWD SR 16-17,Page No.150,SI No.19.77) Basic rate Maintenance- 2nd year escalation of 8% Add 10% For area wightage Maintenance for 2nd Year: Mixing earth and sludge or manure in the required proportion spectrum (Non SOR item) Rate Approved as per EOI by MD MSCL Mangalore,Refer Sr.No.28 Maintenance- 2nd year escalation of 8% Maintenance of lawns or Turfing of slopes (rough grassing) for a complete including cost of all materials, scaffolding HOM of r charges including implementation of Environmental and Socia technical specifications and directions of Engineer-in-charge. Basic rate Maintenance- 2nd year escalation of 8% 	Rate Rate Rate Rate	103 8.24 11.12 122.36 acted by the O 23.91 1.91 25.82 ne year includ with all lead Is & as per o 103 8.24	Cum fficer-in-charge Cum ding watering of and lifts, labo design, drawin
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	(KPWD SR 16-17,Page No.150,SI No.19.77) Basic rate Maintenance- 2nd year escalation of 8% Add 10% For area wightage Maintenance for 2nd Year: Mixing earth and sludge or manure in the required proportion spectrum (Non SOR item) Rate Approved as per EOI by MD MSCL Mangalore,Refer Sr.No.28 Maintenance for 2nd Year: Maintenance of lawns or Turfing of slopes (rough grassing) for a complete including cost of all materials, scaffolding HOM of r charges including implementation of Environmental and Socia technical specifications and directions of Engineer-in-charge. Basic rate Maintenance- 2nd year escalation of 8% Add 10% For area wightage	Rate Rate Rate Rate Rate Safeguard	103 8.24 11.12 122.36 acted by the O 23.91 1.91 25.82 ne year includ with all lead ls & as per o 103 8.24 11.12	Cum fficer-in-charg Cum ding watering and lifts, labo design, drawin
66	(KPWD SR 16-17,Page No.150,SI No.19.77) Basic rate Maintenance- 2nd year escalation of 8% Add 10% For area wightage Maintenance for 2nd Year: Mixing earth and sludge or manure in the required proportion spectrum (Non SOR item) Rate Approved as per EOI by MD MSCL Mangalore,Refer Sr.No.28 Maintenance for 2nd Year: Maintenance for 2nd Year: Maintenance of lawns or Turfing of slopes (rough grassing) for a complete including cost of all materials, scaffolding HOM of r charges including implementation of Environmental and Socia technical specifications and directions of Engineer-in-charge. Basic rate Maintenance- 2nd year escalation of 8% Add 10% For area wightage TURF Maintenance for 2nd Year: ZOYSIA JAPONICA (MAT) (Non SOR Item)	Rate Rate Rate Rate Rate Safeguard	103 8.24 11.12 122.36 acted by the O 23.91 1.91 25.82 ne year includ with all lead ls & as per o 103 8.24 11.12	Cum fficer-in-charge Cum ding watering of and lifts, labo design, drawin
66	(KPWD SR 16-17,Page No.150,SI No.19.77) Basic rate Maintenance- 2nd year escalation of 8% Add 10% For area wightage Maintenance for 2nd Year: Mixing earth and sludge or manure in the required proportion spectrum (Non SOR item) Rate Approved as per EOI by MD MSCL Mangalore,Refer Sr.No.28 Maintenance for 2nd Year: Maintenance for 2nd Year: Maintenance of lawns or Turfing of slopes (rough grassing) for a complete including cost of all materials, scaffolding HOM of r charges including implementation of Environmental and Socia technical specifications and directions of Engineer-in-charge. Basic rate Maintenance for 2nd Year: Maintenance of lawns or Turfing of slopes (rough grassing) for a complete including cost of all materials, scaffolding HOM of r charges including implementation of Environmental and Socia technical specifications and directions of Engineer-in-charge. Basic rate Maintenance for 2nd Year: ZOYSIA JAPONICA (MAT) (Non SOR Item) Rate Approved as per EOI by MD MSCL Mangalore,Refer	Rate Rate Rate Rate Rate Safeguard	103 8.24 11.12 122.36 ected by the Or 23.91 1.91 25.82 ne year includ with all lead ls & as per or 103 8.24 11.12 122.36	Cum fficer-in-charg Cum ding watering and lifts, labo design, drawin Sqm
666	(KPWD SR 16-17,Page No.150,SI No.19.77) Basic rate Maintenance- 2nd year escalation of 8% Add 10% For area wightage Maintenance for 2nd Year: Mixing earth and sludge or manure in the required proportion spectrum (Non SOR item) Rate Approved as per EOI by MD MSCL Mangalore,Refer Sr.No.28 Maintenance for 2nd Year: Maintenance of lawns or Turfing of slopes (rough grassing) for a complete including cost of all materials, scaffolding HOM of r charges including implementation of Environmental and Socia technical specifications and directions of Engineer-in-charge. Basic rate Maintenance for 2nd Year: Maintenance of lawns or Turfing of slopes (rough grassing) for a complete including implementation of Environmental and Socia technical specifications and directions of Engineer-in-charge. Basic rate Maintenance for 2nd Year escalation of 8% Add 10% For area wightage TURF Maintenance for 2nd Year: ZOYSIA JAPONICA (MAT) (Non SOR Item) Rate Approved as per EOI by MD MSCL Mangalore,Refer Sr.No.32	Rate Rate Rate Rate Rate Safeguard	103 8.24 11.12 122.36 ected by the O 23.91 1.91 25.82 ne year includ with all lead ls & as per o 103 8.24 11.12 122.36	Cum fficer-in-charge Cum ding watering of and lifts, labo design, drawin Sqm
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	IRRIGATION			
	Maintenance for 2nd Year:			
68	Watering with tanker to landscape area and plants for one year			
	Water Tanker =61 Rs/ Hour,One Year Cost=92 days x 3 hrs x		16836	
	61rs/hr (365days-90 days of mansoon=275 days/3 days=92			
	days,consider watering at every 3 days)			
	Mazdoor = 0.5 days x 258.88		11908.48	
	Add 10% For area wightage		1190.848	
	Maintenance- 2nd year escalation of 8%		2299.56	
		Rate	32234.89	Year
	Maintonanaa far 2nd Vaar			
69	Maintenance for 2nd Year: supply and fixing of irrigation lines such that all the green area means of drip irrigation for trees, sub surface for shrubs and sprinklers for lawn areas. (Equipment make - Rainbird or equivale All material used should be comply to BSI code. All the necessa commissioning to be installed. (Non SOR Item)	lawn area ent)	is / ground cov	vers and pop up
69	supply and fixing of irrigation lines such that all the green area means of drip irrigation for trees, sub surface for shrubs and sprinklers for lawn areas. (Equipment make - Rainbird or equivale All material used should be comply to BSI code. All the necessa commissioning to be installed.	lawn area ent)	is / ground cov	vers and pop up
69	supply and fixing of irrigation lines such that all the green area means of drip irrigation for trees, sub surface for shrubs and sprinklers for lawn areas. (Equipment make - Rainbird or equivale All material used should be comply to BSI code. All the necessa commissioning to be installed. (Non SOR Item)	lawn area ent)	is / ground cov	vers and pop up red for complete
69	supply and fixing of irrigation lines such that all the green area means of drip irrigation for trees, sub surface for shrubs and sprinklers for lawn areas. (Equipment make - Rainbird or equivale All material used should be comply to BSI code. All the necessa commissioning to be installed. (Non SOR Item) Rate Approved as per EOI by MD MSCL Mangalore,Refer	lawn area ent)	nd pump requi	vers and pop up red for complete

Assistant Engineer MSCL Mangaluru Assistant Executive Engineer MSCL Mangaluru

Executive Engineer MSCL Mangaluru General Manager Technical MSCL Mangaluru

Name of the Work :- Mangalore Smart City 7.1 Abstract for Maintenance of Road and Other Work for DPR 7 - 3rd Year

	7.1 Abstract for Maintenance of Road and Other Wo				
Sr.No.	Specification	Unit	Total Qty.	Rate	Amount
	Civil Works				
1.00	Maintenance for 3rd Year: Taking out existing CC interlocking paver blocks from footpath/ central verge, including removal of rubbish etc., disposal of unserviceable material to the dumping ground, for which payment shall be made separately and stacking of serviceable material within 50 metre lead as per direction of Engineer-in-Charge.(RA attached)	Sqm	14.00	76.34	1069
2.00	Maintenance for 3rd Year: KSRRB M200.Dismantling of cement concrete pavement by mechanical means using pueumatic tools,breaking to pieces not exceeding 0.02 cum in volume and stock pilling at designated locations and disposal of dismantled material stacking serviceble and unserviceable materials separately complete as per specifications.MORTH specification No.202.(Including transporting charges,loading and unloading for lead 5km-Extra) (Page No 138,SI No : 18.47)	Cum	0.30	1107.57	,332
3.00	Maintenance for 3rd Year: KSRRB M200-Dismantaling of kerb Stone and Channel KSRRB M200-26. Dismantling Kerb stone by Manual means and disposal of dismantled materials with all lifts and complete as per specifications.MORTH Specification No.202. (Page No.139,S.I.No.18.49)	Rmt	20.00	14.78	296
4.00	Maintenance for 3rd Year: KSRRB M200-13.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. II. By Mechanical Means. A. Cement Concrete Grade M-15 &M-20. MORTH Specification No. 202 (KPWD SOR 16-17,18.20,Page No.137)	Cum	20.00	480.48	9,610
5.00	Maintenance for 3rd Year: KSRRB M200-12.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonary, cement concrete, woodwork, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. i)Dismantaling Brick/Tile work B.In Cement mortar (Page No 137,SI No : 18.23)	Cum	0.23	432.43	,99
6.00	Maintenance for 3rd Year: KSRRB M300-14. Excavation for roadwork in all types of soil with hydraulic excavator of 0.9 bucket capacity including cutting and loading in tippers,trimming bottom and side slopes,in accordance with requirements of lines and grades and cross sections, and transporting disposal location up to a lead of 1.00Km and complete as per specifications. MORTH specification No.301(Including transporting charges, loading and unloading for lead 5km) (Page No 143,SI No : 19.14)	Cum	250.00	50.51	12,628
7.00	Maintenance for 3rd Year: 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.(KPWD 16-17,SI No.2.11,Pg. No.6)	Cum	75.00	147.84	11,088
8.00	Maintenance for 3rd Year: KSRRB 300-Compaction KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3.(KPWD 16- 17,SI No.19.64,Pg. No.149)	Sqm	500.00	7.39	3,695
9.00	Maintenance for 3rd Year: KSRB 4-1.6; Providing and laying in position plain cement concrete of mix M15 Grade with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No. 4.6 of PWD SR 2015-16)	Cum	7.50	7268.80	54,516
10.00	Maintenance for 3rd Year: KSRRB M400-6.1. Construction of granular sub-base by providing close graded crushed stone aggregates of granite / trap / basalt material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with Plate compactor to achieve the desired density, complete as per specifications. A. Plant Mix Method Close graded granular sub-base material as per 400-1 For Grading- II Material	Cum	37.50	2668.51	100,069

Sr.No.	Specification	Unit	Total Qty.	Rate	Amount
11.00	Maintenance for 3rd Year: KSRB 4.2.1 : Providing and laying in position reiforcement cement concrete of design Mix M25 with OPC cement @340Kgs,with 20mm and down size graded granite metal coarse aggregate @ 0.47 cum with super plasticisers @3 liters confirming to IS 9103-1999 reafirmed -2008 at machine mixed,concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls,return walls,walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks,anchor blocks & plinths etc.,Including cost of labour,HOM of machinery,curing,complete but excluding cost of reinforcement as per specifications. (Page No 13,SI No : 4.10)	Cum	48.00	7635.94	3,66,525
12.00	Maintenance for 3rd Year: KSRB 4.6.1 Providing and removing centering, shuttering, strutting, propping etc.,and removal of formwork for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No. KSB 4.6.2 (Page No 15, SI No : 4.28)		360.00	324.02	1,16,647
13.00	Maintenance for 3rd Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work including straighting,cutting,bending,hooking,placing in position,lapping and/or welding wherever required,tying with binding wire and anchoring to thr adjoing members wherever necessary complete as per design (laps,hooks and wastage shall not be measured and paid) cost of materials,labour,HOM of machinary complete as per specifications.Specification No. KBS4.6.3. do with TMT bars Fe500	МТ	3.84	87203.42	3,34,861
14.00	Maintenance for 3rd Year: KSRRB M300-Construction of Subgrade. KSRRB M300-55. Construction of sub-grade with approved material Gravel/Murrum with all lifts & leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of Table No. 300-2 complete as per specifications (including cost of earth, watering charges & compaction by vibratory rollercompaction by vibratory roller to 97% of proctors density) MORTH Specification No. 305	Cum	61.25	688.34	42,161
15.00	Maintenance for 3rd Year: KSRRB M600-1.Construction of dry lean cement concrete mix M15 with 1:5:10 OPC cement @160Kgs,with 25mm and down size graded granite/trap/basalt metal coarse aggregate at 0.86cum and fine aggregate @ 0.58cum Sub-base over prepared sub grade with (coarse and fine aggregate confirming to IS:383) aggregate cement ration not to excee 15:1. Aggregate gradation after blending to be as per Table 600-1, cement content to be determined during trail length construction, concrete strength not to be less than 10Mpa at 7 days,mixed in a batching plant,transported to site,laid with a paver with electronic sensor,compacting with 8-10 tonnes double drum vibratory roller,finishing and curing complete as per specifications.Morth specification No.601 (Page No 176,SI No : 22.1)	Cum	12.25	4987.14	61,092
16.00	Maintenance for 3rd Year: KSRRB M600-1.Construction of dry lean cement concrete mix M15 with 1:5:10 OPC cement @160Kgs,with 25mm and down size graded granite/trap/basalt metal coarse aggregate at 0.86cum and fine aggregate @ 0.58cum Sub-base over prepared sub grade with (coarse and fine aggregate confirming to IS:383) aggregate cement ration not to excee 15:1. Aggregate gradation after blending to be as per Table 600-1, cement content to be determined during trail length construction, concrete strength not to be less than 10Mpa at 7 days,mixed in a batching plant,transported to site, Manually laid and compacting with palte compactor,finishing and curing complete as per specifications.Morth specification No.601 (RA attached)	Cum	20.00	4533.76	90,675
17.00	Maintenance for 3rd Year: KSSRRB M600-2.Construction of unreinforced,dowel jointed,plain cement concrete pavement over a prepared sub base with 25mm and down size graded granite metal coarse aggregate with superplastisizer at 3 lts confirming to IS9103-1999 reaffirmed 2008(Coarse and fine aggregate conforming to IS:383) mixed in a batching and mixing plant as per approved mix design,transported to site,laid with a fixed form paver spread,compacted and finished in a continuos operation including provision of contraction, expansio, construction and longitudinal joints,including groove cutting chrges, joints filler,separation memberane, sealent primer, joints sealant, debonding strip, dowel bars at 4.5m intervals, tie rod, admixtures as approved, curing compound,finishing to lines and grades as per drawing complete as per sprcifications MORTH specification No.602.do with M40 (420Kg per cum Cement,C.A,0.67 cum F.A.044Cum (Page No 176,SI No : 22.2.2)	Cum	28.18	7102.48	2,00,148

Sr.No.	Specification	Unit	Total Qty.	Rate	Amount
18.00	Maintenance for 3rd Year: Providing and placing joint sealant compound of cold polysulphide in the grooves after widening the groove to required width, sand blasting the groove face if recommended by the sealant manufacturer, cleaning the groove with air compressor, insertion of debonding strip, priming the sides of the sealant if the sealant manufacturer recommends and pouring the sealant all complete including material, manpower (Non SOR Item)	Rmt	650.00	126.50	82,225
19.00	Maintenance for 3rd Year: KSRRB 3000 Repair of Joint Grooves with Epoxy Mortar KSRRB M3000-8 Repairs of spalled joints grooves of contraction joints longitudinal joints and expansion joints in concrete pavement using epoxy mortar concrete complete as per specifications.Morth specification No.3005.1 (Page No 257,SI No : 35.8)	Rmt	650.00	407.79	2,65,064
20.00	Maintenance for 3rd Year: Providing and laying at or near ground level factory made kerb stone of M-20 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge). (RA Attached)	Cum	0.10	21817.27	2,182
21.00	Maintenance for 3rd Year: Providin and fixing pre cast solid concrete Kerb stones as per the drawing,made out of CC 1:2:4 and Jointed with CM 1:3 and finishing cutting, including cost of all materials,labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc.,complete (Page No 25,SI No : 5.3)	Cum	2.79	19073.34	53,215
22.00	Maintenance for 3rd Year: Providin and fixing pre cast solid concrete water table(longitudinal gutter) as per the drawing,made out of CC 1:2:4 and jointed with CM 1:3 and finishing cutting, including cost of all materials,labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc.,complete (Page No 25,SI No : 5.3)	Cum	1.18	19073.34	22,507
23.00	Maintenance for 3rd Year: Removing and resetting of kerb stones. including cost of all materials, scaffolding HOM of machineries with all lead and lifts, labour charges including implementation of Environmental and Social Safeguards & as per design, drawing, technical specifications and directions of Engineer-in- charge.	Rmt	100.00	29.57	2,957
24.00	Maintenance for 3rd Year: KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 (Page No 182,SI No : 24.1)	Sqm	82.50	98.56	8,131
25.00	Maintenance for 3rd Year: P/F FRP Recess Cover (2.5T) 900mmx600 mm with frame on Manhole for electrical ducting.	Nos.	5.00	9192.46	,45,962
26.00	Maintenance for 3rd Year: P/F FRP Recess Cover (2.5T) 600mmx450 mm with frame at raised footpath on SWD. (Rate analysis attached)	Nos.	5.00	6130.87	30,654
27.00	Maintenance for 3rd Year: P/F FRP Water gully cover with frame (25T) 600mmx500 mm at level footpath. (Rate analysis attached)	Nos.	5.00	6757.09	33,785
28.00	Maintenance for 3rd Year: Providing gully pipe lowering,laying of PVC 100 mm dia pipes to the required alignments including specials and grade as indicated in drawings/design and hydraulically testing of the pipe line.The rate shall include all jointing materials,testing apparatus and water for testi g etc as directed by the Engineer in charge (page No.41,Item No.7,KUWSDB SOR 2016-17)	Rmt	20.00	337.34	6,747
29.00	Maintenance for 3rd Year: KSRB 11-18-17.1 : 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. (PWD SR 2015-16, P.No.86, SI.No.12.89)	Nos.	20.00	1022.56	20,451

Sr.No.	Specification	Unit	Total Qty.	Rate	Amount
30.00	Maintenance for 3rd Year: KSRRB M800-29.3.Cable Duct Across the road KSRRB M800-29.1. Providing and laying of a reinforced cement concrete pipe duct, 300 mm dia, across the road (new construction), extending from drain to drain in cuts and toe of slope to toe of slope in fills, constructing head walls at both ends, providing a minimum fill of granular material over top and sides of RCC pipe as per IRC:98-1997, bedded on a 0.3 m thick layer of granular material free of rock pieces, outer to outer distance of pipe at least half dia of pipe subject to minimum450 mm in case of double and triple row ducts, joints to be made leak proof, invert level of duct to be above higher than ground level to prevent entry of water and dirt, all as per IRC: 98 - 1997 and approved drawings complete as per specifications. Case-III :Triple row for three utility services. (PWD SR 2015-16,SI.No.24.36)	Rmt	20.00	6187.10	1,23,742
31.00	Maintenance for 3rd Year: Providing and laying Dia 225 mm HDPE Electrical pipe Conduits with Silicore Lubricant inner layer with ribs, dimensional ratio of 13.5,Deflection not greater than 5% when exposed to the normal operating temparature 90°C under the over burden soil presuure and other physical properties comforming to ASTMF 2160 and /or NEMA TC7.The expected service life of HDPE pipe conduits and accessories shall not be less than 50 years. (Market Rate)	Rmt	150.00	2419.65	3,62,948
32.00	Maintenance for 3rd Year: Providing and laying Dia 160mm HDPE Electrical pipe Conduits with Silicore Lubricant inner layer with ribs, dimensional ratio of 13.5,Deflection not greater than 5% when exposed to the normal operating temparature 90°C under the over burden soil presuure and other physical properties comforming to ASTMF 2160 and /or NEMA TC7.The expected service life of HDPE pipe conduits and accessories shall not be less than 50 years.(Market Rate)	Rmt	100.00	1308.75	1,30,875
33.00	Maintenance for 3rd Year: Providing and Fixixng Spacers for Power Ducts of size 225 mm, to be placed at an interval of 1.5 meter. Spacers shall be made of ABS raw material. (Market rate)		20.00	1183.54	23,671
34.00	Maintenance for 3rd Year: Providing and Fixixng Spacers for Power Ducts of size 160 mm, to be placed at an interval of 1.5 meter. Spacers shall be made of ABS raw material. (Market rate)		20.00	2375.34	47,507
35.00	Maintenance for 3rd Year: Supplying 7-way 40mm HDPE pipe Multi-way Duct Silicore Lubricant inner layer for ICT fibre cables comforming to ASTMF 2160 and /or equivalent indian standard and conveying to work site including loading and unloading at both destination and rolling,lowering into trenches,laying true to line and jointing of pipe etc.Complete. (Market Rate)	Rmt	40.00	736.37	29,455
36.00	Maintenance for 3rd Year: Supplying and Application charges required for stamping the freshly laid new concrete (Concrete rate is not included in this item) including finishing and colouring the top surface accurately to the required level,shape and size using approved colour shade and staping it using approved stamp pattern and antiquitting it on top with approved colour.Sealing entire area with concrete sealer.	Sqm	200.00	768.77	1,53,754
37.00	Maintenance for 3rd Year: Providing and laying heavy duty cobble stones 75mm thick, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 30mm 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. (Page No 101,SI No : 14.7)	Sqm	75.00	1372.45	102,934
38.00	Maintenance for 3rd Year: KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications MORTH Specification No. 507 -using 100/120 TPH capacity H.M.P. with sensor paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen(KPWD 16-17,S.I.No.21.17.1,Page No.163)	Cum	6.00	9657.65	57,946

Sr.No.	Specification	Unit	Total Qty.	Rate	Amount
39.00	Maintenance for 3rd Year: KSRRB M500-19. Providing and laying bituminous concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications. MORTH Specification No. 509 - using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 45 mm) with 6 % VG-40 Bitumen	Cum	1.60	10793.55	17,270
40.00	Maintenance for 3rd Year: KSRRB M800 Road markers / Road stud KSRRB M800-35. Providing and fixing of road stud 100x 100 mm, diecast in aluminium, resistant to corrosive effect of salt and grit, fitted with lense reflectors, installed in concrete or asphaltic surface by drilling hole 30 mm upto a depth of 60 mm and bedded in a suitable bituminous grout or epoxy mortar, all as per BS: 873 part 4:1973 complete as per specifications	Nos.	50.00	356.05	17,803
41.00	Maintenance for 3rd Year: Supply & Installation of Solar Raised Pavement Markers made of polycarbonate molded body with circular shape, solar powered, LED self illumination in active mode, 360 degree illumination and reflective panels with micro prismatic lens in passive mode. The marker shall support a load of20000 kg tested in accordance to IRC 37 and shall be resistantto dust and water ingress according to IP 65 (Ingress Protection 65 is a test which is conducted to check if solar road stud is protected from total dust Ingress and low pressure water jets from any direction) standards and should withstand temperatures in the range of 0 C to 70 C. Color of lighting could be provided in red or yellow (amber) as per requirement and typical frequency of blinking is 1 Hz. There should be current losses of less than 20 micro-amperes at 2.4 V in sleep-charging mode to enhance the life of the marker and a full charge should provide for a minimum autonomy of 50 hours. The height, width and length of the marker shall not be less than 100 mm x 100 mm. Also, the surface diameter of the marker shall not be less than 100 mm respectively. The weight of the marker shall not exceed 0.5 Kilograms. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation and complete as directed by the engineer.	Nos.	15.00	3647.95	54,719
42.00	Maintenance for 3rd Year: Road Marking with hot applied Thermoplastic Compound with Reflectrising Glass Beads on Concrete Surface:Providing and laying of hot applied thermoplastic compound 2.5mm thick including reflectorising glass beads at 250 gms and 2 ltr of primer per sqm area,thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35.The finished surface to be level,uniform and free from streak and holes complete as per specifications.MORTH specification No.803 (Page No 192,SI No : 24.57)	Sqm	600.00	528.53	3,17,118
43.00	Maintenance for 3rd Year: Operation and Maintenance for eToilets Stainless Steel Public Model as specified in Road and Other works BOQ Item No.45.	Nos	4.00	68544.00	2,74,176
44.00	Maintenance for 3rd Year: Providing and fixing of S.S. Bollards(SS304) on footpath as specified and directed by Engineer -in-charge (NON SOR Item)	Nos.	2.00	5040.00	10,080
45.00	Maintenance for 3rd Year: Providing and fixing of railing as detail design in MS HOLLOW SECTION and bars (shop drawing to be approved),with vertical support of 0.9m @2.2mc/c , all complete to the satisfaction of the Landscape architect.(Non SOR Item)	MT	0.10	112000.00	11,200
46.00	Maintenance for 3rd Year: Excavation and removal of silt and silt mixed with sand in slussy condition from canal bed including disposing off the same in spoil bank or on the canal embankment in layers as directed etc., complete with lead upto 50 m and all lifts. For Desilting of drains and grit chambers including cost of all materials, scaffolding HOM of machineries with all lead and lifts, labour charges including implementation of Environmental and Social Safeguards & as per design, drawing, technical specifications and directions of Engineer-in- charge.	Cum	1015.00	200.48	2,03,487
47.00	Maintenance for 3rd Year: Extra Lead for Disposing off unserviceable materials upto 10 Km beyond initial Lead Item No 17.4 KSRRB M100-4.1-Earth	Cum	200.00	115.32	23,064
48.00	Maintenance for 3rd Year: Extra Lead for Disposing off unserviceable materials upto 10 Km beyond initial Lead Item No 17.4 KSRRB M100-4.1-Debris	Cum	70.00	115.81	8,107
49.00	Electrical Works Maintenance for 3rd Year: Dismantling of pole/ street light standard/ strut embedded in cement concrete foundation etc. as required (Delhi analysis of rates E & M 2016, item 12.42, pg 395))	Nos.	1.00	1050.56	1,051

Sr.No.	Specification	Unit	Total Qty.	Rate	Amount
50.00	Maintenance for 3rd Year: 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)	Nos.	1.00	13910.40	13,910
51.00	Maintenance for 3rd Year: 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)	Nos.	1.00	8285.76	8,286
52.00	Maintenance for 3rd Year: 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.	1.00	3964.80	3,965
53.00	Maintenance for 3rd Year: 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.	1.00	2688.00	2,688
54.00	Maintenance for 3rd Year: Painting of Existing street light pole after scrapping the old paint and painted with suitable colour enamel including coping/footing of the pole8mtr and above street light pole (Ref Electrical SOR SI No.16.28.3)	Nos.	241.00	694.40	167,350
55.00	Maintenance for 3rd Year: Supply, installation, testing and commissioning of outdoor junction box for mounting MCB/Contactors with all required accessories and componenets	Nos.	1.00	13196.96	13,197
56.00	Maintenance for 3rd Year: 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.	1.00	1732.64	1,733
57.00	LT Cable Maintenance for 3rd Year: 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	60.00	131.04	7,862
58.00	Maintenance for 3rd Year: 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	10.00	91.39	914
59.00	Maintenance for 3rd Year: 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	10.00	12.67	127
60.00	Maintenance for 3rd Year: 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	8.00	3.49	28

Sr.No.	Specification	Unit	Total Qty.	Rate	Amount
61.00	Maintenance for 3rd Year: 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	1.00	6160.00	6,160
62.00	Maintenance for 3rd Year: 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	50.00	21.84	1,092
	Landcaping Works				
	SOIL MIXES and Ground Preparation			-	
63.00	Maintenance for 3rd Year: Supplying and stacking of good earth at site including royalty and carriage upto 5 k.m. lead complete (earth measured in stacks will be reduced by 20% for payment). (Non SOR Item)	Cum	1.50	156.80	235
64.00	Maintenance for 3rd Year: KSRRB M300-Supply at site of work well decayed farm yard manure KSRRB M300-11. Supply at site of work well decayed farm yard manure, from any available source, approved by the engineer in charge including screening and stackin complete as per specifications. MORTH Specification No. 308.2(Page No.152,SI.No.19.90)	Cum	0.75	251.33	188
65.00	Maintenance for 3rd Year: KSRRB M300-Horticulture KSRRB M300-Spreading of sludge farm yard manure or/ and good earth KSRRB M300-1. Spreading of sludge farm yard manure or/ and good earth in required thickness (cost of sludge, farm yard manure or/and good earth to be paid for separately) complete as per specifications. MORTH Specification No. 307 (KPWD SR 16-17,Page No.150,SI No.19.77)		2.00	126.90	254
66.00	Maintenance for 3rd Year: Mixing earth and sludge or manure in the required proportion specified or directed by the Officer-in-charge (Non SOR item)	Cum	2.00	26.78	54
67.00	Soil preparation of Lawn Maintenance for 3rd Year: KSRRB M300-3.Making lawns including ploughing and breaking of clod,removal of rubbish,dressing and supplying doobs grass roots and planting at 15 cm apart,including supplying and spreading of farm yard manure at rate of 0.18cum per 100 sqm complete as per specifications. MORTH Specification No.307 (KSRRB 19.80)	Sqm	382.19	129.20	49,379
68.00	TURF Maintenance for 3rd Year: ZOYSIA JAPONICA (MAT) (Non SOR Item)	Sqm	3.00	175.62	527
69.00	Maintenance for 3rd Year: Watering with tanker to landscape area and plants for one year	Year	1.00	33384.67	33,385
70.00	Maintenance for 3rd Year: supply and fixing of irrigation lines such that all the green areas and plants are adequately watered; by means of drip irrigation for trees, sub surface for shrubs and lawn areas / ground covers and pop up sprinklers for lawn areas. (Equipment make - Rainbird or equivalent) All material used should be comply to BSI code. All the necessary value and pump required for complete commissioning to be installed. (Non SOR Item)	Sqm	3.00	627.20	1,882
				Total	42,63,514

Assistant Engineer MSCL Mangaluru Assistant Executive Engineer MSCL Mangaluru

Executive Engineer MSCL Mangaluru General Manager Technical MSCL Mangaluru

Name of the Work :- Mangalore Smart City 7.2 M.S. For Maintenance of Road and Other Work for DPR 7 - 3rd Year

	7.2 M.S. For Maintenance of Road and Other	Work for	<u>r DPR 7 - 3</u>	rd Year			1
Sr.No.	Specification	Unit	No.	L	в	D	Qty.
	Civil Works						
1.00	Maintenance for 3rd Year: Taking out existing CC interlocking paver blocks from footpath/ central verge, including removal of rubbish etc., disposal of unserviceable material to the dumping ground, for which payment shall be made separately and stacking of serviceable material within 50 metre lead as per direction of Engineer-in- Charge.(RA attached)	Sqm	1	7	2		14.00
2.00	Maintenance for 3rd Year: KSRRB M200.Dismantling of cement concrete pavement by mechanical means using pueumatic tools,breaking to pieces not exceeding 0.02 cum in volume and stock pilling at designated locations and disposal of dismantled material stacking serviceble and unserviceable materials separately complete as per specifications.MORTH specification No.202.(Including transporting charges,loading and unloading for lead 5km-Extra) (Page No 138,SI No : 18.47)	Cum	1	1	1	0.3	0.30
3.00	Maintenance for 3rd Year: KSRRB M200-Dismantaling of kerb Stone and Channel KSRRB M200-26. Dismantling Kerb stone by Manual means and disposal of dismantled materials with all lifts and complete as per specifications.MORTH Specification No.202. (Page No.139,S.I.No.18.49)	Rmt	1	20			20.00
4.00	Maintenance for 3rd Year: KSRRB M200-13.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. II. By Mechanical Means. A. Cement Concrete Grade M-15 &M-20. MORTH Specification No. 202 (KPWD SOR 16-17,18.20,Page No.137)	Cum	1	40	1	0.5	20.00
5.00	Maintenance for 3rd Year: KSRRB M200-12.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonary, cement concrete, woodwork, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. i)Dismantaling Brick/Tile work B.In Cement mortar (Page No 137,SI No : 18.23)	Cum	2	1	0.5	0.23	0.23
6.00	Maintenance for 3rd Year: KSRRB M300-14. Excavation for roadwork in all types of soil with hydraulic excavator of 0.9 bucket capacity including cutting and loading in tippers,trimming bottom and side slopes, in accordance with requirements of lines and grades and cross sections, and transporting disposal location up to a lead of 1.00Km and complete as per specifications. MORTH specification No.301(Including transporting charges, loading and unloading for lead 5km) (Page No 143,SI No : 19.14)	Cum	1.00	100	5	0.5	250.00
7.00	Maintenance for 3rd Year: 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.(KPWD 16-17,SI No.2.11,Pg. No.6)	Cum	1.00	30	5	0.5	75.00
8.00	Maintenance for 3rd Year: KSRRB 300-Compaction KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3.(KPWD 16- 17,SI No.19.64,Pg. No.149)	Sqm	1.00	100		5	500.00

Sr.No.	Specification	Unit	No.	L	в	D	Qty.
9.00	Maintenance for 3rd Year: KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix M15 Grade with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No. 4.6 of PWD SR 2015-16)	Cum	1.00	15	5	0.1	7.50
10.00	Maintenance for 3rd Year: KSRRB M400-6.1. Construction of granular sub-base by providing close graded crushed stone aggregates of granite / trap / basalt material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with Plate compactor to achieve the desired density, complete as per specifications. A. Plant Mix Method Close graded granular sub-base material as per 400-1 For Grading- II Material	Cum	1.00	50	5	0.15	37.50
11.00	Maintenance for 3rd Year: KSRB 4.2.1 : Providing and laying in position reiforcement cement concrete of design Mix M25 with OPC cement @340Kgs,with 20mm and down size graded granite metal coarse aggregate @ 0.47 cum with super plasticisers @3 liters confirming to IS 9103-1999 reafirmed -2008 at machine mixed,concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls,return walls,walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks,anchor blocks & plinths etc.,Including cost of labour,HOM of machinery,curing,complete but excluding cost of reinforcement as per specifications. (Page No 13,SI No : 4.10)	Cum	1.00	200	0.2	1.2	48.00
12.00	Maintenance for 3rd Year: KSRB 4.6.1 Providing and removing centering, shuttering, strutting, propping etc.,and removal of formwork for foundations, footings, bases of columns for mass concrete including cost of all materials,labour complete as per specifications. Specification No. KSB 4.6.2 (Page No 15,SI No : 4.28)	Sqm	2.00	200		0.9	360.00
	Maintenance for 3rd Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work including straighting,cutting,bending,hooking,placing in position,lapping and/or welding wherever required,tying with binding wire and anchoring to thr adjoing members wherever necessary complete as per design (laps,hooks and wastage shall not be measured and paid) cost of materials,labour,HOM of machinary complete as per specifications.Specification No. KBS4.6.3. do with TMT bars Fe500	MT	1.00	3.84			3.84
14.00	Maintenance for 3rd Year: KSRRB M300-Construction of Subgrade. KSRRB M300-55. Construction of sub-grade with approved material Gravel/Murrum with all lifts & leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of Table No. 300-2 complete as per specifications (including cost of earth, watering charges & compaction by vibratory rollercompaction by vibratory roller to 97% of proctors density) MORTH Specification No. 305	Cum	10.00	3.5	3.5	0.5	61.25
15.00	Maintenance for 3rd Year: KSRRB M600-1.Construction of dry lean cement concrete mix M15 with 1:5:10 OPC cement @160Kgs,with 25mm and down size graded granite/trap/basalt metal coarse aggregate at 0.86cum and fine aggregate @ 0.58cum Sub-base over prepared sub grade with (coarse and fine aggregate confirming to IS:383) aggregate cement ration not to excee 15:1. Aggregate gradation after blending to be as per Table 600-1, cement content to be determined during trail length construction, concrete strength not to be less than 10Mpa at 7 days,mixed in a batching plant,transported to site,laid with a paver with electronic sensor,compacting with 8-10 tonnes double drum vibratory roller,finishing and curing complete as per specifications.Morth specification No.601 (Page No 176,SI No : 22.1)	Cum	10.00	3.5	3.5	0.1	12.25

Sr.No.	Specification	Unit	No.	L	в	D	Qty.
16.00	Maintenance for 3rd Year: KSRRB M600-1.Construction of dry lean cement concrete mix M15 with 1:5:10 OPC cement @160Kgs,with 25mm and down size graded granite/trap/basalt metal coarse aggregate at 0.86cum and fine aggregate @ 0.58cum Sub-base over prepared sub grade with (coarse and fine aggregate confirming to IS:383) aggregate cement ration not to excee 15:1. Aggregate gradation after blending to be as per Table 600-1, cement content to be determined during trail length construction, concrete strength not to be less than 10Mpa at 7 days,mixed in a batching plant,transported to site, Manually laid and compacting with palte compactor ,finishing and curing complete as per specifications.Morth specification No.601 (RA attached)		1.00	100	2	0.1	20.00
17.00	Maintenance for 3rd Year: KSSRRB M600-2.Construction of unreinforced,dowel jointed,plain cement concrete pavement over a prepared sub base with 25mm and down size graded granite metal coarse aggregate with superplastisizer at 3 lts confirming to IS9103-1999 reaffirmed 2008(Coarse and fine aggregate conforming to IS:383) mixed in a batching and mixing plant as per approved mix design,transported to site,laid with a fixed form paver spread,compacted and finished in a continuos operation including provision of contraction, expansio, construction and longitudinal joints,including groove cutting chrges, joints filler,separation memberane, sealent primer, joints sealant, debonding strip, dowel bars at 4.5m intervals, tie rod, admixtures as approved, curing compound,finishing to lines and grades as per drawing complete as per sprcifications MORTH specification No.602.do with M40 (420Kg per cum Cement,C.A,0.67 cum F.A.044Cum (Page No 176,SI No : 22.2.2)	Cum	10.00	3.5	3.5	0.23	28.18
18.00	Maintenance for 3rd Year: Providing and placing joint sealant compound of cold polysulphide in the grooves after widening the groove to required width, sand blasting the groove face if recommended by the sealant manufacturer, cleaning the groove with air compressor, insertion of debonding strip, priming the sides of the sealant if the sealant manufacturer recommends and pouring the sealant all complete including material, manpower (Non SOR Item)	Rmt	1.00	650			650.00
19.00	Maintenance for 3rd Year: KSRRB 3000 Repair of Joint Grooves with Epoxy Mortar KSRRB M3000-8 Repairs of spalled joints grooves of contraction joints longitudinal joints and expansion joints in concrete pavement using epoxy mortar concrete complete as per specifications.Morth specification No.3005.1 (Page No 257,SI No : 35.8)	Rmt	1.00	650			650.00
20.00	Maintenance for 3rd Year: Providing and laying at or near ground level factory made kerb stone of M-20 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).	Cum	1	1	0.1		0.10
21.00	(RA Attached) Maintenance for 3rd Year: Providin and fixing pre cast solid concrete Kerb stones as per the drawing,made out of CC 1:2:4 and Jointed with CM 1:3 and finishing cutting, including cost of all materials,labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc.,complete (Page No 25,SI No : 5.3)	Cum	1	100	0.03		2.79
22.00	Maintenance for 3rd Year: Providin and fixing pre cast solid concrete water table(longitudinal gutter) as per the drawing,made out of CC 1:2:4 and jointed with CM 1:3 and finishing cutting, including cost of all materials,labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc.,complete (Page No 25,SI No : 5.3)		1	100	0.01		1.18

Sr.No.	Specification	Unit	No.	L	в	D	Qty.
23.00	Maintenance for 3rd Year: Removing and resetting of kerb stones. including cost of all materials, scaffolding HOM of machineries with all lead and lifts, labour charges including implementation of Environmental and Social Safeguards & as per design, drawing, technical specifications and directions of Engineer-in-charge.	Rmt	100				100.00
24.00	Maintenance for 3rd Year: KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 (Page No 182,SI No : 24.1)	Sqm	1	500	0.17		82.50
25.00	Maintenance for 3rd Year: P/F Square shape 600mmx450 mm precast R.C.C. manhole cover with frame (Rate analysis attached)	Nos.	5.00				5.00
26.00	Maintenance for 3rd Year: P/F FRP Recess Cover (2.5T) 900mmx600 mm with frame on Manhole for electrical ducting.	Nos.	5.00				5.00
27.00	Maintenance for 3rd Year: P/F FRP Recess Cover (2.5T) 600mmx450 mm with frame at raised footpath on SWD. (Rate analysis attached)	Nos.	5.00				5.00
28.00	Maintenance for 3rd Year: P/F FRP Water gully cover with frame (25T) 600mmx500 mm at level footpath. (Rate analysis attached)	Nos	20.00	1.00			20.00
29.00	Maintenance for 3rd Year: KSRB 11-18-17.1 : 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. (PWD SR 2015-16,P.No.86, SI.No.12.89)	Nos.	20.00				20.00
30.00	Maintenance for 3rd Year: KSRRB M800-29.3.Cable Duct Across the road KSRRB M800-29.1. Providing and laying of a reinforced cement concrete pipe duct, 300 mm dia, across the road (new construction), extending from drain to drain in cuts and toe of slope to toe of slope in fills, constructing head walls at both ends, providing a minimum fill of granular material over top and sides of RCC pipe as per IRC:98- 1997, bedded on a 0.3 m thick layer of granular material free of rock pieces, outer to outer distance of pipe at least half dia of pipe subject to minimum450 mm in case of double and triple row ducts, joints to be made leak proof, invert level of duct to be above higher than ground level to prevent entry of water and dirt, all as per IRC: 98 - 1997 and approved drawings complete as per specifications. Case-III :Triple row for three utility services. (PWD SR 2015-16,SI.No.24.36)	Rmt	1	20.00			20.00
31.00	Maintenance for 3rd Year: Providing and laying Dia 225mm HDPE Electrical pipe Conduits with Silicore Lubricant inner layer with ribs, dimensional ratio of 13.5,Deflection not greater than 5% when exposed to the normal operating temparature 90°C under the over burden soil presuure and other physical properties comforming to ASTMF 2160 and /or NEMA TC7.The expected service life of HDPE pipe conduits and accessories shall not be less than 50 years. (Market Rate)	Rmt	1	150			150.00
32.00	Maintenance for 3rd Year: Providing and laying Dia 160mm HDPE Electrical pipe Conduits with Silicore Lubricant inner layer with ribs, dimensional ratio of 13.5,Deflection not greater than 5% when exposed to the normal operating temparature 90°C under the over burden soil presuure and other physical properties comforming to ASTMF 2160 and /or NEMA TC7.The expected service life of HDPE pipe conduits and accessories shall not be less than 50 years.(Market Rate)		1	100			100.00
33.00	Maintenance for 3rd Year: Providing and Fixixng Spacers for Power Ducts of size 225 mm, to be placed at an interval of 1.5 meter. Spacers shall be made of ABS raw material. (Market rate)	Nos.	20				20.00

Sr.No.	Specification	Unit	No.	L	В	D	Qty.
34.00	Maintenance for 3rd Year: Providing and Fixixng Spacers for Power Ducts of size 160 mm, to be placed at an interval of 1.5 meter. Spacers shall be made of ABS raw material. (Market rate)	Nos.	20				20.00
35.00	Maintenance for 3rd Year: Supplying 7-way 40mm HDPE pipe Multi-way Duct Silicore Lubricant inner layer for ICT fibre cables comforming to ASTMF 2160 and /or equivalent indian standard and conveying to work site including loading and unloading at both destination and rolling,lowering into trenches,laying true to line and jointing of pipe etc.Complete. (Market Rate)	Rmt	1	40			40.00
36.00	Maintenance for 3rd Year: Supplying and Application charges required for stamping the freshly laid new concrete (Concrete rate is not included in this item) including finishing and colouring the top surface accurately to the required level,shape and size using approved colour shade and staping it using approved stamp pattern and antiquitting it on top with approved colour.Sealing entire area with concrete sealer.	Sqm	1	100	2		200.00
37.00	Maintenance for 3rd Year: Providing and laying heavy duty cobble stones 75mm thick, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 30mm 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. (Page No 101,SI No : 14.7)	Sqm	1.00	50	1.5		75.00
38.00	Maintenance for 3rd Year: KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications MORTH Specification No. 507 -using 100/120 TPH capacity H.M.P. with sensor paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen(KPWD 16-17,S.I.No.21.17.1,Page No.163)	Cum	2.00	2.5	8	0.15	6.00
39.00	Maintenance for 3rd Year: KSRRB M500-19. Providing and laying bituminous concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications. MORTH Specification No. 509 - using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 45 mm) with 6 % VG-40 Bitumen	Cum	2.00	2.5	8	0.04	1.60
40.00	Maintenance for 3rd Year: KSRRB M800 Road markers / Road stud KSRRB M800-35. Providing and fixing of road stud 100x 100 mm, diecast in aluminium, resistant to corrosive effect of salt and grit, fitted with lense reflectors, installed in concrete or asphaltic surface by drilling hole 30 mm upto a depth of 60 mm and bedded in a suitable bituminous grout or epoxy mortar, all as per BS: 873 part 4:1973 complete as per specifications	Nos.	50.00				50.00

Sr.No.	Specification	Unit	No.	L	в	D	Qty.
41.00	Maintenance for 3rd Year: Supply & Installation of Solar Raised Pavement Markers made of polycarbonate molded body with circular shape, solar powered, LED self illumination in active mode, 360 degree illumination and reflective panels with micro prismatic lens in passive mode. The marker shall support a load of20000 kg tested in accordance to IRC 37 and shall be resistantto dust and water ingress according to IP 65 (Ingress Protection 65 is a test which is conducted to check if solar road stud is protected from total dust Ingress and low pressure water jets from any direction) standards and should withstand temperatures in the range of 0 C to 70 C. Color of lighting could be provided in red or yellow (amber) as per requirement and typical frequency of blinking is 1 Hz. There should be current losses of less than 20 micro-amperes at 2.4 V in sleep- charging mode to enhance the life of the marker and a full charge should provide for a minimum autonomy of 50 hours. The height, width and length of the marker shall not be less than 10 mm x 100 mm x 100 mm. Also, the surface diameter of the marker shall not be less than 100 mm respectively. The weight of the marker shall not exceed 0.5 Kilograms. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation and complete as directed by the engineer.	Nos.	10.00				15.00
42.00	Maintenance for 3rd Year: Road Marking with hot applied Thermoplastic Compound with Reflectrising Glass Beads on Concrete Surface:Providing and laying of hot applied thermoplastic compound 2.5mm thick including reflectorising glass beads at 250 gms and 2 ltr of primer per sqm area,thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35.The finished surface to be level,uniform and free from streak and holes complete as per specifications.MORTH specification No.803 (Page No 192,SI No : 24.57)	Sqm	1.00	4000	0.15		600.00
43.00	Maintenance for 3rd Year: Operation and Maintenance for eToilets Stainless Steel Public Model as specified in Road and Other works BOQ Item No.45.	Nos	4.00				4.00
44.00	Maintenance for 3rd Year: Providing and fixing of S.S. Bollards(SS304) on footpath as specified and directed by Engineer -in-charge (NON SOR Item)	Nos.	2.00				2.00
45.00	Maintenance for 3rd Year: Providing and fixing of railing as detail design in MS HOLLOW SECTION and bars (shop drawing to be approved),with vertical support of 0.9m @2.2mc/c , all complete to the satisfaction of the Landscape architect.(Non SOR Item)	MT	1.00	0.1			0.10
46.00	Maintenance for 3rd Year: Excavation and removal of silt and silt mixed with sand in slussy condition from canal bed including disposing off the same in spoil bank or on the canal embankment in layers as directed etc., complete with lead upto 50 m and all lifts. For Desilting of drains and grit chambers including cost of all materials, scaffolding HOM of machineries with all lead and lifts, labour charges including implementation of Environmental and Social Safeguards & as per design, drawing, technical specifications and directions of Engineer-in-charge.	Cum	2.00	7250	0.7	0.1	1015.00
47.00	Maintenance for 3rd Year: Extra Lead for Disposing off unserviceable materials upto 10 Km beyond initial Lead Item No 17.4 KSRRB M100-4.1-Earth	Cum	1.00	200			200.00
48.00	Maintenance for 3rd Year: Extra Lead for Disposing off unserviceable materials upto 10 Km beyond initial Lead Item No 17.4 KSRRB M100-4.1-Debris	Cum	1.00	70			70.00
49.00	Electrical Works Maintenance for 3rd Year: Dismantling of pole/ street light standard/ strut embedded in cement concrete foundation etc. as required (Delhi analysis of rates E & M 2016, item 12.42, pg 395))	Nos.	1				1.00

Sr.No.	Specification	Unit	No.	L	в	D	Qty.
50.00	Maintenance for 3rd Year: 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)	Nos.	1				1.00
51.00	Maintenance for 3rd Year: 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)	Nos.	1				1.00
52.00	Maintenance for 3rd Year: 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.	1				1.00
53.00	Maintenance for 3rd Year: 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.	1				1.00
54.00	Maintenance for 3rd Year: Painting of Existing street light pole after scrapping the old paint and painted with suitable colour enamel including coping/footing of the pole8mtr and above street light pole (Ref Electrical SOR SI No.16.28.3)	Nos.	241.00				241.00
55.00	Maintenance for 2nd Year: Supply, installation, testing and commissioning of outdoor junction box for mounting MCB/Contactors with all required accessories and componenets	Nos.	1.00				1.00
56.00	Maintenance for 2nd Year: 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.	1.00				1.00
57.00	LT Cable Maintenance for 3rd Year: 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	1	60.00			60.00
58.00	Maintenance for 3rd Year: 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	1	10.00			10.00

Sr.No.	Specification	Unit	No.	L	В	D	Qty.
59.00	Maintenance for 3rd Year: 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				10.00
60.00	Maintenance for 3rd Year: 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				8.00
61.00	Earthing system Maintenance for 3rd Year: 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	1				1.00
62.00	Maintenance for 3rd Year: 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	1	50			50.00
	Landcaping Works						
	SOIL MIXES and Ground Preparation						
63.00	Maintenance for 3rd Year: Supplying and stacking of good earth at site including royalty and carriage upto 5 k.m. lead complete (earth measured in stacks will be reduced by 20% for payment). (Non SOR Item)	Cum	1	20	0.5	0.15	1.50
64.00	Maintenance for 3rd Year: KSRRB M300-Supply at site of work well decayed farm yard manure KSRRB M300-11. Supply at site of work well decayed farm yard manure, from any available source, approved by the engineer in charge including screening and stackin complete as per specifications. MORTH Specification No. 308.2(Page No.152,SI.No.19.90)	Cum	1	15	0.5	0.1	0.75
65.00	Maintenance for 3rd Year: KSRRB M300-Horticulture KSRRB M300-Spreading of sludge farm yard manure or/ and good earth KSRRB M300-1. Spreading of sludge farm yard manure or/ and good earth in required thickness (cost of sludge, farm yard manure or/and good earth to be paid for separately) complete as per specifications. MORTH Specification No. 307 (KPWD SR 16-17,Page No.150,SI No.19.77)		1	40	0.5	0.1	2.00
66.00	Maintenance for 3rd Year: Mixing earth and sludge or manure in the required proportion specified or directed by the Officer-in-charge (Non SOR item)	Cum	1	40	0.5	0.1	2.00
	Soil preparation of Lawn Maintenance for 3rd Year:						
67.00	KSRRB M300-3.Making lawns including ploughing and breaking of clod,removal of rubbish,dressing and supplying doobs grass roots and planting at 15 cm apart,including supplying and spreading of farm yard manure at rate of 0.18cum per 100 sqm complete as per specifications. MORTH Specification No.307 (KSRRB 19.80) TURF	Sqm	1.00	382.19			382.19
68.00	Maintenance for 3rd Year: ZOYSIA JAPONICA (MAT) (Non SOR Item)	Sqm	1	5	0.6		3.00
69.00	IRRIGATION Maintenance for 3rd Year: Watering with tanker to landscape area and plants for one year	Year	1.00				1.00

Sr.No.	Specification	Unit	No.	L	В	D	Qty.
70.00	Maintenance for 3rd Year: supply and fixing of irrigation lines such that all the green areas and plants are adequately watered; by means of drip irrigation for trees, sub surface for shrubs and lawn areas / ground covers and pop up sprinklers for lawn areas. (Equipment make - Rainbird or equivalent) All material used should be comply to BSI code. All the necessary value and pump required for complete commissioning to be installed. (Non SOR Item)	Sqm	1	5	0.6		3.00

Assistant Engineer MSCL Mangaluru Assistant Executive Engineer MSCL Mangaluru

Executive Engineer MSCL Mangaluru General Manager Technical MSCL Mangaluru

1 Taki nubb mac Eng Bas Mair KSF tools 2 and com and (Pag Bas Mair Add	ntenance for 3rd Year: ing out existing CC interlocking paver blocks from footpa- bish etc., disposal of unserviceable material to the dumpi- le separately and stacking of serviceable material with ineer-in-Charge.(RA attached) ic rate Intenance- 3rd year escalation of 12% Intenance for 3rd Year: RRB M200.Dismantling of cement concrete pavement b s,breaking to pieces not exceeding 0.02 cum in volume a disposal of dismantled material stacking serviceble a unloading for lead 5km-Extra) ge No 138,SI No : 18.47) ic rate Intenance- 3rd year escalation of 12% 10% For area weightage (Mangalore City) Intenance for 3rd Year:	ing ground, for hin 50 metre le Rate by mechanical le and stock pilling and unserviceat	which payme ead as per o 68.16 8.18 76.34 means using g at designate ole materials	ent shall be direction o Sqm pueumatie ed location: separatel
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and (Pag Bas Mair Add 	unloading for lead 5km-Extra) ge No 138,SI No : 18.47) ic rate ntenance- 3rd year escalation of 12% 10% For area weightage (Mangalore City)		899 107.88	
(Pag Bas Mair Add Mair	ge No 138,SI No : 18.47) ic rate ntenance- 3rd year escalation of 12% 10% For area weightage (Mangalore City)	Rate	107.88	
Bas Mair Add Mai	ic rate ntenance- 3rd year escalation of 12% 10% For area weightage (Mangalore City)	Rate	107.88	
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Add Mai	10% For area weightage (Mangalore City)	Rate		
Add Mai	10% For area weightage (Mangalore City)	Rate		
Mai		Rate		
	ntonanco for 3rd Voar	nate	1107.57	Cum
	ntonanco for 3rd Voar:			oum
	RRB M200-Dismantaling of kerb Stone and Channel KSRR			b stone by
	ual means and disposal of dismantled materials with all lif	ts and complete	e as per	
spec	cifications.MORTH Specification No.202.			
(Pag	ge No.139,S.I.No.18.49)			
	ic rate		12.00	
Mair	ntenance- 3rd year escalation of 12%		1.44	
	10% For area weightage (Mangalore City)		1.34	
////	10% For area weightage (Mangalore Orty)	Rate	14.78	Rmt
		Rale	14.70	KIII
	ntenance for 3rd Year:			
	RRB M200-13.1. Dismantling of existing structures like cul			
stru	cture comprising of masonry, cement concrete, wood	work, steel w	ork, including) T&P an
4 scaf	folding wherever necessary, sorting the dismantled mate	erial, disposal o	of unserviceat	ole materia
	stacking the serviceable material with all lifts complete a			
	ns. A. Čement Concrete Grade M-15 &M-20. MORTH S		•	
	8.20,Page No.137)			
	ic rate		390	
Mair	ntenance- 3rd year escalation of 12%		46.8	
	,		43.68	
Add	10% For area weightage (Mangalore City)			~
Add	·	Rate	480.48	Cum
Add	·	Rate	480.48	Cum
	10% For area weightage (Mangalore City)	Rate	480.48	Cum
Mai	10% For area weightage (Mangalore City) ntenance for 3rd Year:			
Mai KSF	10% For area weightage (Mangalore City) ntenance for 3rd Year: RRB M200-12.1. Dismantling of existing structures like cul	lverts, bridges,	retaining walls	s and othe
Main KSF	10% For area weightage (Mangalore City) ntenance for 3rd Year: RRB M200-12.1. Dismantling of existing structures like cul cture comprising of masonary, cement concrete, wood	lverts, bridges, dwork, steel w	retaining walls ork, including	s and othe J T&P an
Main KSF struc 5 scaf	10% For area weightage (Mangalore City) ntenance for 3rd Year: RRB M200-12.1. Dismantling of existing structures like cul cture comprising of masonary, cement concrete, wood folding wherever necessary, sorting the dismantled mate	lverts, bridges, dwork, steel w erial, disposal o	retaining walls ork, including of unserviceat	s and othe J T&P an
Main KSF struc 5 scaf	10% For area weightage (Mangalore City) ntenance for 3rd Year: RRB M200-12.1. Dismantling of existing structures like cul cture comprising of masonary, cement concrete, wood folding wherever necessary, sorting the dismantled mate	lverts, bridges, dwork, steel w erial, disposal o	retaining walls ork, including of unserviceat	s and othe g T&P an
Main KSF struc 5 scaf and	10% For area weightage (Mangalore City) Intenance for 3rd Year: RRB M200-12.1. Dismantling of existing structures like cul cture comprising of masonary, cement concrete, wood folding wherever necessary, sorting the dismantled mate stacking the serviceable material with all lifts complete as	lverts, bridges, dwork, steel w erial, disposal o	retaining walls ork, including of unserviceat	s and othe g T&P an
5 scaf and i)Dis	10% For area weightage (Mangalore City) Intenance for 3rd Year: RRB M200-12.1. Dismantling of existing structures like cul cture comprising of masonary, cement concrete, wood folding wherever necessary, sorting the dismantled mate stacking the serviceable material with all lifts complete as smantaling Brick/Tile work B.In Cement mortar	lverts, bridges, dwork, steel w erial, disposal o	retaining walls ork, including of unserviceat	s and othe J T&P an
5 scaf and i)Dis	10% For area weightage (Mangalore City) Intenance for 3rd Year: RRB M200-12.1. Dismantling of existing structures like cul cture comprising of masonary, cement concrete, wood folding wherever necessary, sorting the dismantled mate stacking the serviceable material with all lifts complete as smantaling Brick/Tile work B.In Cement mortar ge No 137,SI No : 18.23)	lverts, bridges, dwork, steel w erial, disposal o	retaining walls ork, including of unserviceat ns.	s and othe g T&P an
5 scaf and i)Dis Bas	10% For area weightage (Mangalore City) Intenance for 3rd Year: RRB M200-12.1. Dismantling of existing structures like cul cture comprising of masonary, cement concrete, wood folding wherever necessary, sorting the dismantled mate stacking the serviceable material with all lifts complete as smantaling Brick/Tile work B.In Cement mortar ge No 137,SI No : 18.23) ic rate	lverts, bridges, dwork, steel w erial, disposal o	retaining walls ork, including of unserviceat ns. 351	s and othe g T&P an
5 scaf and i)Dis Bas Mair	10% For area weightage (Mangalore City) ntenance for 3rd Year: RRB M200-12.1. Dismantling of existing structures like cul cture comprising of masonary, cement concrete, wood folding wherever necessary, sorting the dismantled mate stacking the serviceable material with all lifts complete as smantaling Brick/Tile work B.In Cement mortar ge No 137,SI No : 18.23) ic rate htenance- 3rd year escalation of 12%	lverts, bridges, dwork, steel w erial, disposal o	retaining walls ork, including of unserviceat ns. 351 42.12	s and othe g T&P and
5 scaf and i)Dis Bas Mair	10% For area weightage (Mangalore City) Intenance for 3rd Year: RRB M200-12.1. Dismantling of existing structures like cul cture comprising of masonary, cement concrete, wood folding wherever necessary, sorting the dismantled mate stacking the serviceable material with all lifts complete as smantaling Brick/Tile work B.In Cement mortar ge No 137,SI No : 18.23) ic rate	lverts, bridges, dwork, steel w erial, disposal o	retaining walls ork, including of unserviceat ns. 351	s and othe T&P and

	KSRRB M300-14. Excavation for roadwork in all types of so			
~	capacity including cutting and loading in tippers, trimming bot			
6	requirements of lines and grades and cross sections, and tran	isporting dispos	sal location up	to a lead
	1.00Km and complete as per specifications.			、
	MORTH specification No.301(Including transporting charges,	loading and un	lloading for lea	d 5km)
	(Page No 143,SI No : 19.14)			
	Basic rate		41	
	Maintenance- 3rd year escalation of 12%		4.92	
	Add 10% For area weightage (Mangalore City)		4.59	
		Rate	50.51	Cum
	Maintenance for 3rd Year:			
	KSRB 2-4 : Refilling available earth around pipe lines, cables	in layers not e	xceeding 20cn	ns in dep
7	compacting each deposited layer by ramming after watering	with lead upto	50m. and lift	upto 1.5
	including cost of all labour complete as per specifications.(KP	•		•
	Basic rate		120	
	Maintenance- 3rd year escalation of 12%		14.4	
	Add 10% For area weightage (Mangalore City)		13.44	
		Rate	147.84	Cum
	Maintenance for 3rd Year:			•
	KSRRB 300-Compaction KSRRB 300-58. Compaction of orig			
8	of 8 to 10 tonnes power roller including filling in depression or			
	labour, HOM of machinery complete as per specifications. MC	DRTH / Chapte	r 3.(KPWD 16-	-17,SI
	No.19.64,Pg. No.149)			
	No.19.64,Pg. No.149) Basic rate		6	
	Basic rate			
	Basic rate Maintenance- 3rd year escalation of 12%		6 0.72 0.67	
	Basic rate	Rate	0.72	Sqm
	Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage (Mangalore City)	Rate	0.72 0.67	Sqm
	Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage (Mangalore City) Maintenance for 3rd Year:		0.72 0.67 7.39	-
	Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage (Mangalore City) Maintenance for 3rd Year: KSRB 4-1.6 ; Providing and laying in position plain cement co	ncrete of mix N	0.72 0.67 7.39 //15 Grade with	n cement
	Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage (Mangalore City) Maintenance for 3rd Year:	ncrete of mix N	0.72 0.67 7.39 //15 Grade with	n cement
9	Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage (Mangalore City) Maintenance for 3rd Year: KSRB 4-1.6 ; Providing and laying in position plain cement co	ncrete of mix M parse aggregat	0.72 0.67 7.39 //15 Grade with :es @ 0.69 cu	n cement m and f
9	Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage (Mangalore City) Maintenance for 3rd Year: KSRB 4-1.6 ; Providing and laying in position plain cement co 240kgs, with 20mm and down size graded granite metal co aggregtes @ 0.459cum, machine mixed, concrete laid in lateral content co	ncrete of mix M parse aggregat ayers not exce	0.72 0.67 7.39 //15 Grade with res @ 0.69 cu eding 15 cms.	n cement m and f
9	Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage (Mangalore City) Maintenance for 3rd Year: KSRB 4-1.6 ; Providing and laying in position plain cement co 240kgs, with 20mm and down size graded granite metal co aggregtes @ 0.459cum, machine mixed, concrete laid in la compacted, in foundation, plinth and cills, ncluding cost of a	ncrete of mix N parse aggregat ayers not exce all materials, la	0.72 0.67 7.39 //15 Grade with res @ 0.69 cu eding 15 cms. bour, HOM of	n cement m and f thick, v machine
9	Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage (Mangalore City) Maintenance for 3rd Year: KSRB 4-1.6 ; Providing and laying in position plain cement co 240kgs, with 20mm and down size graded granite metal co aggregtes @ 0.459cum, machine mixed, concrete laid in lateral content co	ncrete of mix N parse aggregat ayers not exce all materials, la	0.72 0.67 7.39 //15 Grade with res @ 0.69 cu eding 15 cms. bour, HOM of	n cement m and f thick, v machine
9	Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage (Mangalore City) Maintenance for 3rd Year: KSRB 4-1.6 ; Providing and laying in position plain cement co 240kgs, with 20mm and down size graded granite metal co aggregtes @ 0.459cum, machine mixed, concrete laid in la compacted, in foundation, plinth and cills, ncluding cost of a curing complete as per specifications. Specification No. KBS 2015-16)	ncrete of mix N parse aggregat ayers not exce all materials, la	0.72 0.67 7.39 M15 Grade with tes @ 0.69 cu eding 15 cms. bour, HOM of b.12, I.No. 4.6 c	n cement m and f thick, v machine
9	Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage (Mangalore City) Maintenance for 3rd Year: KSRB 4-1.6 ; Providing and laying in position plain cement co 240kgs, with 20mm and down size graded granite metal co aggregtes @ 0.459cum, machine mixed, concrete laid in la compacted, in foundation, plinth and cills, ncluding cost of a curing complete as per specifications. Specification No. KBS 2015-16) Basic Rate	ncrete of mix N parse aggregat ayers not exce all materials, la	0.72 0.67 7.39 //15 Grade with res @ 0.69 cu eding 15 cms. bour, HOM of 0.12, I.No. 4.6 c	n cement m and f thick, w machine
9	Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage (Mangalore City) Maintenance for 3rd Year: KSRB 4-1.6 ; Providing and laying in position plain cement co 240kgs, with 20mm and down size graded granite metal co aggregtes @ 0.459cum, machine mixed, concrete laid in la compacted, in foundation, plinth and cills, ncluding cost of a curing complete as per specifications. Specification No. KBS 2015-16) Basic Rate Maintenance- 3rd year escalation of 12%	ncrete of mix N parse aggregat ayers not exce all materials, la	0.72 0.67 7.39 //15 Grade with res @ 0.69 cu eding 15 cms. bour, HOM of 0.12, I.No. 4.6 c	n cement m and f thick, w machine
9	Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage (Mangalore City) Maintenance for 3rd Year: KSRB 4-1.6 ; Providing and laying in position plain cement co 240kgs, with 20mm and down size graded granite metal co aggregtes @ 0.459cum, machine mixed, concrete laid in la compacted, in foundation, plinth and cills, ncluding cost of a curing complete as per specifications. Specification No. KBS 2015-16) Basic Rate	ncrete of mix M parse aggregat ayers not exced all materials, la 4.1, 4.2. (P.No	0.72 0.67 7.39 M15 Grade with tes @ 0.69 cu eding 15 cms. bour, HOM of 0.12, I.No. 4.6 c 5900 708 660.8	n cement m and f . thick, v machine of PWD
9	Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage (Mangalore City) Maintenance for 3rd Year: KSRB 4-1.6 ; Providing and laying in position plain cement co 240kgs, with 20mm and down size graded granite metal co aggregtes @ 0.459cum, machine mixed, concrete laid in la compacted, in foundation, plinth and cills, ncluding cost of a curing complete as per specifications. Specification No. KBS 2015-16) Basic Rate Maintenance- 3rd year escalation of 12%	ncrete of mix N parse aggregat ayers not exce all materials, la	0.72 0.67 7.39 //15 Grade with res @ 0.69 cu eding 15 cms. bour, HOM of 0.12, I.No. 4.6 c	n cement m and f thick, v machine
9	Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage (Mangalore City) Maintenance for 3rd Year: KSRB 4-1.6 ; Providing and laying in position plain cement co 240kgs, with 20mm and down size graded granite metal co aggregtes @ 0.459cum, machine mixed, concrete laid in la compacted, in foundation, plinth and cills, ncluding cost of a curing complete as per specifications. Specification No. KBS 2015-16) Basic Rate Maintenance- 3rd year escalation of 12%	ncrete of mix M parse aggregat ayers not exced all materials, la 4.1, 4.2. (P.No	0.72 0.67 7.39 M15 Grade with tes @ 0.69 cu eding 15 cms. bour, HOM of 0.12, I.No. 4.6 c 5900 708 660.8	n cement m and f . thick, v machine of PWD
9	Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage (Mangalore City) Maintenance for 3rd Year: KSRB 4-1.6 ; Providing and laying in position plain cement co 240kgs, with 20mm and down size graded granite metal co aggregtes @ 0.459cum, machine mixed, concrete laid in la compacted, in foundation, plinth and cills, ncluding cost of a curing complete as per specifications. Specification No. KBS 2015-16) Basic Rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage (Mangalore City) Maintenance for 3rd Year:	ncrete of mix M parse aggregat ayers not excer all materials, la 4.1, 4.2. (P.No Rate	0.72 0.67 7.39 //15 Grade with ces @ 0.69 cu eding 15 cms. bour, HOM of 0.12, I.No. 4.6 c 5900 708 660.8 7268.80	n cement m and f thick, v machine of PWD
9	Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage (Mangalore City) Maintenance for 3rd Year: KSRB 4-1.6 ; Providing and laying in position plain cement co 240kgs, with 20mm and down size graded granite metal co aggregtes @ 0.459cum, machine mixed, concrete laid in la compacted, in foundation, plinth and cills, ncluding cost of a curing complete as per specifications. Specification No. KBS 2015-16) Basic Rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage (Mangalore City) Maintenance for 3rd Year: KSRRB M400-6.1. Construction of granular sub-base by	ncrete of mix M parse aggregat ayers not excee all materials, la 4.1, 4.2. (P.No Rate providing clos	0.72 0.67 7.39 0.15 Grade with tes @ 0.69 cu eding 15 cms. bour, HOM of 0.12, I.No. 4.6 c 5900 708 660.8 7268.80 e graded crus	n cement m and f . thick, v machine of PWD
	Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage (Mangalore City) Maintenance for 3rd Year: KSRB 4-1.6 ; Providing and laying in position plain cement co 240kgs, with 20mm and down size graded granite metal co aggregtes @ 0.459cum, machine mixed, concrete laid in la compacted, in foundation, plinth and cills, ncluding cost of a curing complete as per specifications. Specification No. KBS 2015-16) Basic Rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage (Mangalore City) Maintenance for 3rd Year: KSRRB M400-6.1. Construction of granular sub-base by aggregates of granite / trap / basalt material, mixing in a m	ncrete of mix M parse aggregat ayers not exced all materials, lai 4.1, 4.2. (P.No Rate providing clos	0.72 0.67 7.39 M15 Grade with tes @ 0.69 cu eding 15 cms. bour, HOM of 0.12, I.No. 4.6 c 5900 708 660.8 7268.80 e graded crus blant at OMC,	cement m and f . thick, v machine of PWD Cum shed sto carriage
	Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage (Mangalore City) Maintenance for 3rd Year: KSRB 4-1.6 ; Providing and laying in position plain cement co 240kgs, with 20mm and down size graded granite metal co aggregtes @ 0.459cum, machine mixed, concrete laid in la compacted, in foundation, plinth and cills, ncluding cost of a curing complete as per specifications. Specification No. KBS 2015-16) Basic Rate Maintenance for 3rd Year: KSRRB M400-6.1. Construction of 12% Maintenance for 3rd Year: KSRRB M400-6.1. Construction of granular sub-base by aggregates of granite / trap / basalt material, mixing in a m mixed material to work site, spreading in uniform layers with	ncrete of mix M parse aggregat ayers not excer all materials, la 4.1, 4.2. (P.No Rate providing clos nechaical mix p n motor grader	0.72 0.67 7.39 M15 Grade with tes @ 0.69 cu eding 15 cms. bour, HOM of 0.12, I.No. 4.6 c 5900 708 660.8 7268.80 e graded crus olant at OMC, on prepared s	cement m and f . thick, v machine of PWD Cum shed sto carriage surface a
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9	Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage (Mangalore City) Maintenance for 3rd Year: KSRB 4-1.6 ; Providing and laying in position plain cement co 240kgs, with 20mm and down size graded granite metal co aggregtes @ 0.459cum, machine mixed, concrete laid in la compacted, in foundation, plinth and cills, ncluding cost of a curing complete as per specifications. Specification No. KBS 2015-16) Basic Rate Maintenance for 3rd Year: KSRRB M400-6.1. Construction of 12% Add 10% For area weightage (Mangalore City) Maintenance for 3rd Year: KSRRB M400-6.1. Construction of granular sub-base by aggregates of granite / trap / basalt material, mixing in a m mixed material to work site, spreading in uniform layers with compacting with Plate compactor to achieve the desired dei Plant Mix Method Close graded granular sub-base material Basic Rate Maintenance- 3rd year escalation of 12%	ncrete of mix M parse aggregat ayers not excer all materials, la 4.1, 4.2. (P.No Rate providing clos nechaical mix p n motor grader nsity, complete	0.72 0.67 7.39 //15 Grade with res @ 0.69 cu eding 15 cms. bour, HOM of 0.12, I.No. 4.6 c 5900 708 660.8 7268.80 e graded crus blant at OMC, on prepared s as per specif for Grading- II I 2166 259.92	cement m and f thick, v machine of PWD Cum shed sto carriage surface a ications.
	Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage (Mangalore City) Maintenance for 3rd Year: KSRB 4-1.6 ; Providing and laying in position plain cement co 240kgs, with 20mm and down size graded granite metal co aggregtes @ 0.459cum, machine mixed, concrete laid in la compacted, in foundation, plinth and cills, ncluding cost of a curing complete as per specifications. Specification No. KBS 2015-16) Basic Rate Maintenance for 3rd Year: KSRRB M400-6.1. Construction of 12% Add 10% For area weightage (Mangalore City) Maintenance for 3rd Year: KSRRB M400-6.1. Construction of granular sub-base by aggregates of granite / trap / basalt material, mixing in a m mixed material to work site, spreading in uniform layers with compacting with Plate compactor to achieve the desired dea Plant Mix Method Close graded granular sub-base material Basic Rate	ncrete of mix M parse aggregat ayers not excer all materials, la 4.1, 4.2. (P.No Rate providing clos nechaical mix p n motor grader nsity, complete	0.72 0.67 7.39 M15 Grade with tes @ 0.69 cu eding 15 cms. bour, HOM of bour, HOM of 5900 708 660.8 7268.80 e graded crus blant at OMC, on prepared s e as per specifi for Grading- II I 2166	cement m and f thick, v machine of PWD Cum shed sto carriage surface a ications.

	Maintenance for 3rd Year:			
	KSRB 4.2.1 : Providing and laying in position reiforcement cemer	nt concret	e of desian M	ix M25 wi
	OPC cement @340Kgs,with 20mm and down size graded granit			
	cum with super plasticisers @3 liters confirming to IS 9103-1			
11	mixed,concrete laid in layers not exceeding 15cms thick, vibrat			
11	footings, pedastals, retaining walls,return walls,walls (any thick			
	columnspillars, posts, struts, buttresses, bed blocks, anchor bloc			
	labour,HOM of machinery,curing,complete but excluding cost of rei	ntorceme	nt as per spec	ifications.
	(Page No 13,SI No : 4.10)	1	1	
	Basic Rate		6198	
	Maintenance- 3rd year escalation of 12%		743.76	
	Add 10% For area weightage (Mangalore City)		694.18	
		Rate	7635.94	Cum
	Maintenance for 3rd Year:			
	KSRB 4.6.1 Providing and removing centering, shuttering, strut			
12	formwork for foundations, footings, bases of columns for ma	ss concr	ete including	cost of
. –	materials, labour complete as per specifications.			
	Specification No. KSB 4.6.2			
	(Page No 15,SI No : 4.28)			
	Basic Rate		263	
	Maintenance- 3rd year escalation of 12%		31.56	
			29.46	
	Add 10% For area weightage (Mangalore City)		20.10	
	Add 10% For area weightage (Mangalore City)	Rate	324.02	Sqm
13	Maintenance for 3rd Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work inc straighting,cutting,bending,hooking,placing in position,lapping and/ with binding wire and anchoring to thr adjoing members wherever r	luding or welding necessary	324.02 g wherever required to the second s	uired,tying ber desigr
13	Maintenance for 3rd Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work inc straighting,cutting,bending,hooking,placing in position,lapping and/ with binding wire and anchoring to thr adjoing members wherever r (laps,hooks and wastage shall not be measured and paid) cost of r complete as per specifications.Specification No. KBS4.6.3.	luding or welding necessary	324.02 g wherever required to the second s	uired,tying ber desigr
13	Maintenance for 3rd Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work inc straighting,cutting,bending,hooking,placing in position,lapping and/ with binding wire and anchoring to thr adjoing members wherever r (laps,hooks and wastage shall not be measured and paid) cost of r	luding or welding necessary	324.02 g wherever required to the second s	uired,tying ber desigr
13	Maintenance for 3rd Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work inc straighting,cutting,bending,hooking,placing in position,lapping and/ with binding wire and anchoring to thr adjoing members wherever r (laps,hooks and wastage shall not be measured and paid) cost of r complete as per specifications.Specification No. KBS4.6.3.	luding or welding necessary	324.02 g wherever required to the second s	uired,tying ber desigr
13	Maintenance for 3rd Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work inc straighting,cutting,bending,hooking,placing in position,lapping and/ with binding wire and anchoring to thr adjoing members wherever r (laps,hooks and wastage shall not be measured and paid) cost of r complete as per specifications.Specification No. KBS4.6.3. do with TMT bars Fe500	luding or welding necessary	324.02 wherever req complete as p abour,HOM of	uired,tying ber desigr
13	Maintenance for 3rd Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work inc straighting,cutting,bending,hooking,placing in position,lapping and/ with binding wire and anchoring to thr adjoing members wherever r (laps,hooks and wastage shall not be measured and paid) cost of r complete as per specifications.Specification No. KBS4.6.3. do with TMT bars Fe500 Basic Rate	luding or welding necessary	324.02 g wherever req complete as p abour,HOM of 70782	uired,tying ber desigr
13	Maintenance for 3rd Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work inc straighting,cutting,bending,hooking,placing in position,lapping and/with binding wire and anchoring to thr adjoing members wherever r (laps,hooks and wastage shall not be measured and paid) cost of r complete as per specifications.Specification No. KBS4.6.3. do with TMT bars Fe500 Basic Rate Maintenance- 3rd year escalation of 12%	luding or welding necessary	324.02 g wherever required as provided as	uired,tying ber design
13	Maintenance for 3rd Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work inc straighting,cutting,bending,hooking,placing in position,lapping and/with binding wire and anchoring to thr adjoing members wherever r (laps,hooks and wastage shall not be measured and paid) cost of r complete as per specifications.Specification No. KBS4.6.3. do with TMT bars Fe500 Basic Rate Maintenance- 3rd year escalation of 12%	luding or welding necessary naterials,I	324.02 wherever req complete as p abour,HOM of 70782 8493.84 7927.58	uired,tying per desigr machina
13	Maintenance for 3rd Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work inc straighting,cutting,bending,hooking,placing in position,lapping and/with binding wire and anchoring to thr adjoing members wherever r (laps,hooks and wastage shall not be measured and paid) cost of r complete as per specifications.Specification No. KBS4.6.3. do with TMT bars Fe500 Basic Rate Maintenance- 3rd year escalation of 12%	luding or welding necessary naterials,I	324.02 wherever req complete as p abour,HOM of 70782 8493.84 7927.58	uired,tying per desigr machina
13	Maintenance for 3rd Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work inc straighting,cutting,bending,hooking,placing in position,lapping and/with binding wire and anchoring to thr adjoing members wherever r (laps,hooks and wastage shall not be measured and paid) cost of r complete as per specifications.Specification No. KBS4.6.3. do with TMT bars Fe500 Basic Rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage (Mangalore City)	luding or welding necessary naterials,l	324.02 wherever req complete as p abour,HOM of 70782 8493.84 7927.58 87203.42	uired,tyin ber desigr machina
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13	Maintenance for 3rd Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work inc straighting,cutting,bending,hooking,placing in position,lapping and/with binding wire and anchoring to thr adjoing members wherever r (laps,hooks and wastage shall not be measured and paid) cost of r complete as per specifications.Specification No. KBS4.6.3. do with TMT bars Fe500 Basic Rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage (Mangalore City) Maintenance for 3rd Year: KSRRB M300-Construction of Subgrade. KSRRB M300-55. Construction subgrade. KSRRB M300-55. Construction subgrade. KSRRB M300-55. Construction subgrade. KSRRB M300-55. Construction subgrade. KSRRB M300-55. Construction subgrade. KSRRB M300-55. Construction subgrade. KSRB M300-55. Construction subgrade. KSRB M300-55. Construction subgrade. KSRB M300-55. Construction subgrade. KSRB M300-55. Construction	luding or welding necessary naterials,I Rate ruction of preading, g	324.02 wherever required as provided as pr	uired,tyin ber desigr machina MT n approve nired slop
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	Maintenance for 3rd Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work inc straighting,cutting,bending,hooking,placing in position,lapping and/with binding wire and anchoring to thr adjoing members wherever r (laps,hooks and wastage shall not be measured and paid) cost of r complete as per specifications.Specification No. KBS4.6.3. do with TMT bars Fe500 Basic Rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage (Mangalore City) Maintenance for 3rd Year: KSRRB M300-Construction of Subgrade. KSRRB M300-55. Construction of Subgrade. KSRRB M300-55. Construction of Compacted to meet requirement of Table No. 300-2 complete a of earth, watering charges & compaction by vibratory rollercompact	luding or welding necessary naterials,I Rate ruction of preading, g as per spe	324.02 wherever req complete as p abour,HOM of 70782 8493.84 7927.58 87203.42 sub-grade with grading to requ	uired,tyin per desigr machina MT n approve nired slop cluding co
	Maintenance for 3rd Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work inc straighting,cutting,bending,hooking,placing in position,lapping and/with binding wire and anchoring to thr adjoing members wherever r (laps,hooks and wastage shall not be measured and paid) cost of r complete as per specifications.Specification No. KBS4.6.3. do with TMT bars Fe500 Basic Rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage (Mangalore City) Maintenance for 3rd Year: KSRRB M300-Construction of Subgrade. KSRRB M300-55. Construction of an compacted to meet requirement of Table No. 300-2 complete as of earth, watering charges & compaction by vibratory rollercompaction proctors density) MORTH Specification No. 305	luding or welding necessary naterials,I Rate ruction of preading, g as per spe	324.02 wherever req complete as p abour,HOM of 70782 8493.84 7927.58 87203.42 sub-grade with grading to requ ecifications (inc	uired,tying ber desigr machina MT approve lired slope cluding co
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	Maintenance for 3rd Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work inc straighting,cutting,bending,hooking,placing in position,lapping and/with binding wire and anchoring to thr adjoing members wherever r (laps,hooks and wastage shall not be measured and paid) cost of r complete as per specifications.Specification No. KBS4.6.3. do with TMT bars Fe500 Basic Rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage (Mangalore City) Maintenance for 3rd Year: KSRRB M300-Construction of Subgrade. KSRRB M300-55. Construction and compacted to meet requirement of Table No. 300-2 complete a of earth, watering charges & compaction by vibratory rollercompact proctors density) MORTH Specification No. 305 Basic Rate Maintenance- 3rd year escalation of 12% Add 20km lead (17.4 KSRRB M100-4.1-Cost of haulage excluding loading and unloading MORTH-100/Chapter 1-case 1-Surface Road)=2.5 Rs/ Tkm x 1.28 T x 20km	luding or welding necessary naterials,I Rate ruction of preading, g as per spe tion by vib	324.02 wherever req complete as p abour,HOM of 70782 8493.84 7927.58 87203.42 sub-grade with grading to requ ecifications (incorr pratory roller to 513	uired,tying ber desigr machina MT approve lired slope cluding co
	Maintenance for 3rd Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work inc straighting,cutting,bending,hooking,placing in position,lapping and/with binding wire and anchoring to thr adjoing members wherever r (laps,hooks and wastage shall not be measured and paid) cost of r complete as per specifications.Specification No. KBS4.6.3. do with TMT bars Fe500 Basic Rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage (Mangalore City) Maintenance for 3rd Year: KSRRB M300-Construction of Subgrade. KSRRB M300-55. Construction and compacted to meet requirement of Table No. 300-2 complete a of earth, watering charges & compaction by vibratory rollercompact proctors density) MORTH Specification No. 305 Basic Rate Maintenance- 3rd year escalation of 12% Add 20km lead (17.4 KSRRB M100-4.1-Cost of haulage excluding loading and unloading MORTH-100/Chapter 1-case 1-Surface	luding or welding necessary naterials,I Rate ruction of preading, g as per spe tion by vib	324.02 wherever req complete as p abour,HOM of 70782 8493.84 7927.58 87203.42 sub-grade with grading to requ ecifications (inc pratory roller to 513 61.56	uired,tying ber desigr machina MT approve lired slope cluding co
	Maintenance for 3rd Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work inc straighting,cutting,bending,hooking,placing in position,lapping and/with binding wire and anchoring to thr adjoing members wherever r (laps,hooks and wastage shall not be measured and paid) cost of r complete as per specifications.Specification No. KBS4.6.3. do with TMT bars Fe500 Basic Rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage (Mangalore City) Maintenance for 3rd Year: KSRRB M300-Construction of Subgrade. KSRRB M300-55. Construction and compacted to meet requirement of Table No. 300-2 complete a of earth, watering charges & compaction by vibratory rollercompact proctors density) MORTH Specification No. 305 Basic Rate Maintenance- 3rd year escalation of 12% Add 20km lead (17.4 KSRRB M100-4.1-Cost of haulage excluding loading and unloading MORTH-100/Chapter 1-case 1-Surface Road)=2.5 Rs/ Tkm x 1.28 T x 20km	luding or welding necessary naterials,I Rate ruction of preading, g as per spe tion by vib	324.02 wherever req complete as p abour,HOM of 70782 8493.84 7927.58 87203.42 sub-grade with grading to request oratory roller to 513 61.56 51.2	uired,tying ber desigr machina MT approve lired slope cluding co
	Maintenance for 3rd Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work inc straighting,cutting,bending,hooking,placing in position,lapping and/with binding wire and anchoring to thr adjoing members wherever r (laps,hooks and wastage shall not be measured and paid) cost of r complete as per specifications.Specification No. KBS4.6.3. do with TMT bars Fe500 Basic Rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage (Mangalore City) Maintenance for 3rd Year: KSRRB M300-Construction of Subgrade. KSRRB M300-55. Construction of Subgrade. KSRRB M300-2 complete as of earth, watering charges & compaction by vibratory rollercompact proctors density) MORTH Specification No. 305 Basic Rate Maintenance- 3rd year escalation of 12% Add 20km lead (17.4 KSRRB M100-4.1-Cost of haulage excluding loading and unloading MORTH-100/Chapter 1-case 1-Surface Road)=2.5 Rs/Tkm x 1.28 T x 20km Sub Total	luding or welding necessary naterials,I Rate ruction of preading, g as per spe tion by vib	324.02 wherever req complete as p abour,HOM of 70782 8493.84 7927.58 87203.42 sub-grade with grading to requ ecifications (incorratory roller to 513 61.56 51.2 625.76	uired,tying ber desigr machina MT approve lired slope cluding co

15	Maintenance for 3rd Year: KSRRB M600-1.Construction of dry lean cement concrete mi @160Kgs,with 25mm and down size graded granite/trap/basalt m and fine aggregate @ 0.58cum Sub-base over prepared sub grad confirming to IS:383) aggregate cement ration not to excee 15:1. to be as per Table 600-1, cement content to be determined during strength not to be less than 10Mpa at 7 days,mixed in a batching paver with electronic sensor,compacting with 8-10 tonnes double curing complete as per specifications.Morth specification No.601 (Page No 176,SI No : 22.1) Basic Rate	netal coa de with (d Aggrega g trail len plant,tra	rse aggregate coarse and fin te gradation af ngth construction nsported to sit	at 0.86cum e aggregate ter blending on, concrete e,laid with a
	Maintenance- 3rd year escalation of 12%		485.76	
	Add 10% For area weightage (Mangalore City)		453.38	
 I		Rate	4987.14	Cum
		Nale	4907.14	Cum
16	Maintenance for 3rd Year: KSRRB M600-1.Construction of dry lean cement concrete mi @160Kgs,with 25mm and down size graded granite/trap/basalt m and fine aggregate @ 0.58cum Sub-base over prepared sub grad confirming to IS:383) aggregate cement ration not to excee 15:1. to be as per Table 600-1, cement content to be determined during strength not to be less than 10Mpa at 7 days,mixed in a batching laid and compacting with palte compactor,finishing and curing co	netal coa de with (d Aggrega g trail len g plant,tra	rse aggregate coarse and fin te gradation af ngth construction ansported to s	at 0.86cum e aggregate ter blending on, concrete ite,Manually
1	specification No.601 (RA attached)			
	Basic Rate		3680	
	Maintenance- 3rd year escalation of 12%		441.6	
	Add 10% For area weightage (Mangalore City)		412.16	
		Rate	4533.76	Cum
17	KSSRRB M600-2.Construction of unreinforced,dowel jointed,plain prepared sub base with 25mm and down size graded gran superplastisizer at 3 lts confirming to IS9103-1999 reaffirmed conforming to IS:383) mixed in a batching and mixing plant as per site,laid with a fixed form paver spread,compacted and finished provision of contraction, expansio, construction and longitudinal join joints filler,separation memberane, sealent primer, joints sealant, c intervals, tie rod, admixtures as approved, curing compound,finid drawing complete as per sprcifications MORTH specification No. Cement,C.A,0.67 cum F.A.044Cum	ite meta 2008(Co approvec in a con nts,incluc lebonding shing to	al coarse agg barse and fine d mix design,tra titinuos operation ding groove cur g strip, dowel to lines and gra	regate with aggregate ansported to on including tting chrges, pars at 4.5m ades as per
	(Page No 176,SI No : 22.2.2) Basic Rate Maintenance- 3rd year escalation of 12%		5765 691.8	
	(Page No 176,SI No : 22.2.2) Basic Rate			
	(Page No 176,SI No : 22.2.2) Basic Rate Maintenance- 3rd year escalation of 12%	Rate	691.8	Cum
	(Page No 176,SI No : 22.2.2) Basic Rate Maintenance- 3rd year escalation of 12%	Rate	691.8 645.68	
18	(Page No 176,SI No : 22.2.2) Basic Rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage (Mangalore City) Maintenance for 3rd Year: Providing and placing joint sealant compound of cold polysulphide groove to required width, sand blasting the groove face if recomme cleaning the groove with air compressor, insertion of debonding st if the sealant manufacturer recommends and pouring the seala manpower (Non SOR Item)	e in the g ended by rip, primi	691.8 645.68 7102.48 grooves after v the sealant m ng the sides of	Cum videning the anufacturer, the sealant
18	(Page No 176,SI No : 22.2.2) Basic Rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage (Mangalore City) Maintenance for 3rd Year: Providing and placing joint sealant compound of cold polysulphide groove to required width, sand blasting the groove face if recomme cleaning the groove with air compressor, insertion of debonding st if the sealant manufacturer recommends and pouring the seala manpower	e in the g ended by rip, primi	691.8 645.68 7102.48 grooves after v the sealant m ng the sides of	Cum videning the anufacturer, the sealant
18	(Page No 176,SI No : 22.2.2) Basic Rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage (Mangalore City) Maintenance for 3rd Year: Providing and placing joint sealant compound of cold polysulphide groove to required width, sand blasting the groove face if recomme cleaning the groove with air compressor, insertion of debonding st if the sealant manufacturer recommends and pouring the seala manpower (Non SOR Item)	e in the g ended by rip, primi	691.8 645.68 7102.48 grooves after v the sealant m ng the sides of	Cum videning the anufacturer, the sealant
18	 (Page No 176,SI No : 22.2.2) Basic Rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage (Mangalore City) Maintenance for 3rd Year: Providing and placing joint sealant compound of cold polysulphide groove to required width, sand blasting the groove face if recomme cleaning the groove with air compressor, insertion of debonding strif the sealant manufacturer recommends and pouring the sealan manpower (Non SOR Item) Rate Approved as per EOI by MD MSCL Mangalore, Refer 	e in the g ended by rip, primi	691.8 645.68 7102.48 grooves after w the sealant m ng the sides of mplete includi	Cum videning the anufacturer, the sealant
18	(Page No 176,SI No : 22.2.2) Basic Rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage (Mangalore City) Maintenance for 3rd Year: Providing and placing joint sealant compound of cold polysulphide groove to required width, sand blasting the groove face if recomme cleaning the groove with air compressor, insertion of debonding str if the sealant manufacturer recommends and pouring the seala manpower (Non SOR Item) Rate Approved as per EOI by MD MSCL Mangalore,Refer Sr.No.2	e in the g ended by rip, primi	691.8 645.68 7102.48 grooves after w the sealant m ng the sides of mplete includi	Cum videning the anufacturer, the sealant

	Maintenance for 3rd Year: KSPRR 2000 Repair of Jaint Creaves with Energy Morter			
	KSRRB 3000 Repair of Joint Grooves with Epoxy Mortar	ation isla	to loss situalised	isinte en
19	KSRRB M3000-8 Repairs of spalled joints grooves of contra		•	•
	expansion joints in concrete pavement using epoxy mo	rtar cond	crete complet	te as p
	specifications.Morth specification No.3005.1			
	(Page No 257,SI No : 35.8)	1		
	Basic Rate		331	
	Maintenance- 3rd year escalation of 12%		39.72	
	Add 10% For area weightage (Mangalore City)		37.07	
		Rate	407.79	Rmt
	Maintenance for 3rd Year:			
	Providing and laying at or near ground level factory made kerb st			
	in position to the required line, level and curvature, jointed with cer			
	sand), including making joints with or without grooves (thickness			
20	not to more than 5mm), including making drainage opening whe	rever requ	ired complete	etc. as p
	direction of Engineer-in-charge (length of finished kerb edging sha	ll be meas	sured for paym	ent).
	(Precast C.C. kerb stone shall be approved by Engineer-in-charge).		
	(RA Attached)	,		
	Rate Arrived as per Rate analysis			
	Basic Rate		17708.82	
	Maintenance- 3rd year escalation of 12%		2125.06	
	Add 10% For area weightage (Mangalore City)		1983.39	
		Rate	21817.27	Cum
		itato	2101121	Uuiii
21	Maintenance for 3rd Year: Providin and fixing pre cast solid concrete Kerb stones as per the Jointed with CM 1:3 and finishing cutting, including cost of a	all materia		
21	Providin and fixing pre cast solid concrete Kerb stones as per the	all materia		
21	Providin and fixing pre cast solid concrete Kerb stones as per the Jointed with CM 1:3 and finishing cutting, including cost of a machinery,loading,unloading,lead and lift,transportation etc.,comp	all materia		
21	Providin and fixing pre cast solid concrete Kerb stones as per the Jointed with CM 1:3 and finishing cutting, including cost of a machinery,loading,unloading,lead and lift,transportation etc.,comp (Page No 25,SI No : 5.3) Basic rate	all materia	als,labour,hire 15481.61	
21	Providin and fixing pre cast solid concrete Kerb stones as per the Jointed with CM 1:3 and finishing cutting, including cost of a machinery,loading,unloading,lead and lift,transportation etc.,comp (Page No 25,SI No : 5.3) Basic rate Maintenance- 3rd year escalation of 12%	all materia	als,labour,hire	
21	Providin and fixing pre cast solid concrete Kerb stones as per the Jointed with CM 1:3 and finishing cutting, including cost of a machinery,loading,unloading,lead and lift,transportation etc.,comp (Page No 25,SI No : 5.3) Basic rate	all materia	15481.61 1857.79 1733.94	
21	Providin and fixing pre cast solid concrete Kerb stones as per the Jointed with CM 1:3 and finishing cutting, including cost of a machinery,loading,unloading,lead and lift,transportation etc.,comp (Page No 25,SI No : 5.3) Basic rate Maintenance- 3rd year escalation of 12%	all materia	als,labour,hire 15481.61 1857.79	charges
21	Providin and fixing pre cast solid concrete Kerb stones as per the Jointed with CM 1:3 and finishing cutting, including cost of a machinery,loading,unloading,lead and lift,transportation etc.,comp (Page No 25,SI No : 5.3) Basic rate Maintenance- 3rd year escalation of 12%	all materia	15481.61 1857.79 1733.94	charges
21	Providin and fixing pre cast solid concrete Kerb stones as per the Jointed with CM 1:3 and finishing cutting, including cost of a machinery,loading,unloading,lead and lift,transportation etc.,comp (Page No 25,SI No : 5.3) Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage Maintenance for 3rd Year:	all materia lete Rate	als,labour,hire <u>15481.61</u> <u>1857.79</u> <u>1733.94</u> 19073.34	charges
	Providin and fixing pre cast solid concrete Kerb stones as per the Jointed with CM 1:3 and finishing cutting, including cost of a machinery,loading,unloading,lead and lift,transportation etc.,comp (Page No 25,SI No : 5.3) Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage Maintenance for 3rd Year: Providin and fixing pre cast solid concrete water table(longitudinal	all materia lete Rate gutter) as	als,labour,hire <u>15481.61</u> <u>1857.79</u> <u>1733.94</u> 19073.34 per the drawin	charges Cum
21	Providin and fixing pre cast solid concrete Kerb stones as per the Jointed with CM 1:3 and finishing cutting, including cost of a machinery,loading,unloading,lead and lift,transportation etc.,comp (Page No 25,Sl No : 5.3) Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage Maintenance for 3rd Year: Providin and fixing pre cast solid concrete water table(longitudinal of CC 1:2:4 and jointed with CM 1:3 and finishing cutting, include	all materia lete Rate gutter) as ding cost	als,labour,hire 15481.61 1857.79 1733.94 19073.34 per the drawin of all materials	charges Cum
	Providin and fixing pre cast solid concrete Kerb stones as per the Jointed with CM 1:3 and finishing cutting, including cost of a machinery,loading,unloading,lead and lift,transportation etc.,comp (Page No 25,SI No : 5.3) Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage Maintenance for 3rd Year: Providin and fixing pre cast solid concrete water table(longitudinal of CC 1:2:4 and jointed with CM 1:3 and finishing cutting, inclu- charges of machinery,loading,unloading,lead and lift,transportation	all materia lete Rate gutter) as ding cost	als,labour,hire 15481.61 1857.79 1733.94 19073.34 per the drawin of all materials	charges Cum
	Providin and fixing pre cast solid concrete Kerb stones as per the Jointed with CM 1:3 and finishing cutting, including cost of a machinery,loading,unloading,lead and lift,transportation etc.,comp (Page No 25,Sl No : 5.3) Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage Maintenance for 3rd Year: Providin and fixing pre cast solid concrete water table(longitudinal of CC 1:2:4 and jointed with CM 1:3 and finishing cutting, include	all materia lete Rate gutter) as ding cost	als,labour,hire 15481.61 1857.79 1733.94 19073.34 per the drawin of all materials	charges Cum
	Providin and fixing pre cast solid concrete Kerb stones as per the Jointed with CM 1:3 and finishing cutting, including cost of a machinery,loading,unloading,lead and lift,transportation etc.,comp (Page No 25,Sl No : 5.3) Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage Maintenance for 3rd Year: Providin and fixing pre cast solid concrete water table(longitudinal of CC 1:2:4 and jointed with CM 1:3 and finishing cutting, inclu- charges of machinery,loading,unloading,lead and lift,transportation (Page No 25,Sl No : 5.3)	all materia lete Rate gutter) as ding cost	als,labour,hire 15481.61 1857.79 1733.94 19073.34 per the drawin of all materials plete	charges Cum
	Providin and fixing pre cast solid concrete Kerb stones as per the Jointed with CM 1:3 and finishing cutting, including cost of a machinery,loading,unloading,lead and lift,transportation etc.,comp (Page No 25,Sl No : 5.3) Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage Maintenance for 3rd Year: Providin and fixing pre cast solid concrete water table(longitudinal of CC 1:2:4 and jointed with CM 1:3 and finishing cutting, inclu- charges of machinery,loading,unloading,lead and lift,transportation (Page No 25,Sl No : 5.3) Basic rate	all materia lete Rate gutter) as ding cost	als,labour,hire 15481.61 1857.79 1733.94 19073.34 per the drawin of all materials plete 15481.61	charges Cum
	Providin and fixing pre cast solid concrete Kerb stones as per the Jointed with CM 1:3 and finishing cutting, including cost of a machinery,loading,unloading,lead and lift,transportation etc.,comp (Page No 25,Sl No : 5.3) Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage Maintenance for 3rd Year: Providin and fixing pre cast solid concrete water table(longitudinal of CC 1:2:4 and jointed with CM 1:3 and finishing cutting, inclu- charges of machinery,loading,unloading,lead and lift,transportation (Page No 25,Sl No : 5.3) Basic rate Maintenance- 3rd year escalation of 12%	all materia lete Rate gutter) as ding cost	als,labour,hire <u>15481.61</u> 1857.79 <u>1733.94</u> 19073.34 per the drawin of all materials plete <u>15481.61</u> <u>1857.79</u>	charges Cum
	Providin and fixing pre cast solid concrete Kerb stones as per the Jointed with CM 1:3 and finishing cutting, including cost of a machinery,loading,unloading,lead and lift,transportation etc.,comp (Page No 25,Sl No : 5.3) Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage Maintenance for 3rd Year: Providin and fixing pre cast solid concrete water table(longitudinal of CC 1:2:4 and jointed with CM 1:3 and finishing cutting, inclu- charges of machinery,loading,unloading,lead and lift,transportation (Page No 25,Sl No : 5.3) Basic rate	all materia lete Rate gutter) as ding cost n etc.,com	als,labour,hire 15481.61 1857.79 1733.94 19073.34 per the drawin of all materials plete 15481.61 1857.79 1733.94	charges Cum ng,made o s,labour,hi
	Providin and fixing pre cast solid concrete Kerb stones as per the Jointed with CM 1:3 and finishing cutting, including cost of a machinery,loading,unloading,lead and lift,transportation etc.,comp (Page No 25,Sl No : 5.3) Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage Maintenance for 3rd Year: Providin and fixing pre cast solid concrete water table(longitudinal of CC 1:2:4 and jointed with CM 1:3 and finishing cutting, inclu- charges of machinery,loading,unloading,lead and lift,transportation (Page No 25,Sl No : 5.3) Basic rate Maintenance- 3rd year escalation of 12%	all materia lete Rate gutter) as ding cost	als,labour,hire <u>15481.61</u> 1857.79 <u>1733.94</u> 19073.34 per the drawin of all materials plete <u>15481.61</u> <u>1857.79</u>	charges Cum
	Providin and fixing pre cast solid concrete Kerb stones as per the Jointed with CM 1:3 and finishing cutting, including cost of a machinery,loading,unloading,lead and lift,transportation etc.,comp (Page No 25,SI No : 5.3) Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage Maintenance for 3rd Year: Providin and fixing pre cast solid concrete water table(longitudinal of CC 1:2:4 and jointed with CM 1:3 and finishing cutting, inclu- charges of machinery,loading,unloading,lead and lift,transportation (Page No 25,SI No : 5.3) Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage	all materia lete Rate gutter) as ding cost n etc.,com	als,labour,hire 15481.61 1857.79 1733.94 19073.34 per the drawin of all materials plete 15481.61 1857.79 1733.94	charges Cum ng,made c s,labour,hi
	Providin and fixing pre cast solid concrete Kerb stones as per the Jointed with CM 1:3 and finishing cutting, including cost of a machinery,loading,unloading,lead and lift,transportation etc.,comp (Page No 25,Sl No : 5.3) Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage Maintenance for 3rd Year: Providin and fixing pre cast solid concrete water table(longitudinal of CC 1:2:4 and jointed with CM 1:3 and finishing cutting, inclu- charges of machinery,loading,unloading,lead and lift,transportation (Page No 25,Sl No : 5.3) Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage Maintenance for 3rd Year:	all materia lete Rate gutter) as ding cost n etc.,com	15481.61 1857.79 1733.94 19073.34 per the drawin of all materials plete 15481.61 1857.79 1733.94 19073.34	charges Cum ng,made c s,labour,hi
22	Providin and fixing pre cast solid concrete Kerb stones as per the Jointed with CM 1:3 and finishing cutting, including cost of a machinery,loading,unloading,lead and lift,transportation etc.,comp (Page No 25,Sl No : 5.3) Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage Maintenance for 3rd Year: Providin and fixing pre cast solid concrete water table(longitudinal of CC 1:2:4 and jointed with CM 1:3 and finishing cutting, inclu- charges of machinery,loading,unloading,lead and lift,transportation (Page No 25,Sl No : 5.3) Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage Maintenance- 3rd year escalation of 12% Add 10% For area weightage	all materia lete Rate gutter) as ding cost n etc.,com Rate all materi	als, labour, hire 15481.61 1857.79 1733.94 19073.34 per the drawin of all materials plete 15481.61 1857.79 1733.94 19073.34 als, scaffoldin	charges Cum ng,made c s,labour,hi cum
	 Providin and fixing pre cast solid concrete Kerb stones as per the Jointed with CM 1:3 and finishing cutting, including cost of a machinery,loading,unloading,lead and lift,transportation etc.,comp (Page No 25,SI No : 5.3) Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage Maintenance for 3rd Year: Providin and fixing pre cast solid concrete water table(longitudinal of CC 1:2:4 and jointed with CM 1:3 and finishing cutting, includic charges of machinery,loading,unloading,lead and lift,transportation (Page No 25,SI No : 5.3) Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage Maintenance for 3rd Year: Providin And fixing pre cast solid concrete water table(longitudinal of CC 1:2:4 and jointed with CM 1:3 and finishing cutting, includic charges of machinery,loading,unloading,lead and lift,transportation (Page No 25,SI No : 5.3) Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage Maintenance for 3rd Year: Removing and resetting of kerb stones. including cost of machineries with all lead and lifts, labour charges including im 	all materia lete Rate gutter) as ding cost n etc.,com Rate all materi plementat	15481.61 1857.79 1733.94 19073.34 per the drawin of all materials plete 15481.61 1857.79 1733.94 19073.34 als, scaffoldin ion of Environ	charges Cum ng,made c s,labour,hi Cum ng HOM mental a
22	 Providin and fixing pre cast solid concrete Kerb stones as per the Jointed with CM 1:3 and finishing cutting, including cost of a machinery,loading,unloading,lead and lift,transportation etc.,comp (Page No 25,Sl No : 5.3) Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage Maintenance for 3rd Year: Providin and fixing pre cast solid concrete water table(longitudinal of CC 1:2:4 and jointed with CM 1:3 and finishing cutting, includ charges of machinery,loading,unloading,lead and lift,transportation (Page No 25,Sl No : 5.3) Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage Maintenance for 3rd Year: Providin and fixing pre cast solid concrete water table(longitudinal of CC 1:2:4 and jointed with CM 1:3 and finishing cutting, includ charges of machinery,loading,unloading,lead and lift,transportation (Page No 25,Sl No : 5.3) Basic rate Maintenance for 3rd Year: Removing and resetting of kerb stones. including cost of machineries with all lead and lifts, labour charges including im Social Safeguards & as per design, drawing, technical specifica 	all materia lete Rate gutter) as ding cost n etc.,com Rate all materi plementat	15481.61 1857.79 1733.94 19073.34 per the drawin of all materials plete 15481.61 1857.79 1733.94 19073.34 als, scaffoldin ion of Environ	charges Cum ng,made c s,labour,hi cum
22	Providin and fixing pre cast solid concrete Kerb stones as per the Jointed with CM 1:3 and finishing cutting, including cost of a machinery,loading,unloading,lead and lift,transportation etc.,comp (Page No 25,Sl No : 5.3) Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage Maintenance for 3rd Year: Providin and fixing pre cast solid concrete water table(longitudinal of CC 1:2:4 and jointed with CM 1:3 and finishing cutting, inclu- charges of machinery,loading,unloading,lead and lift,transportation (Page No 25,Sl No : 5.3) Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage Maintenance- 3rd year escalation of 12% Add 10% For area weightage Maintenance for 3rd Year: Removing and resetting of kerb stones. including cost of machineries with all lead and lifts, labour charges including im Social Safeguards & as per design, drawing, technical specifica charge.	all materia lete Rate gutter) as ding cost n etc.,com Rate all materi plementat	15481.61 1857.79 1733.94 19073.34 per the drawin of all materials plete 15481.61 1857.79 1733.94 19073.34 als, scaffoldin ion of Environ directions of Environ	charges Cum ng,made o s,labour,hi cum
22	Providin and fixing pre cast solid concrete Kerb stones as per the Jointed with CM 1:3 and finishing cutting, including cost of a machinery,loading,unloading,lead and lift,transportation etc.,comp (Page No 25,SI No : 5.3) Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage Maintenance for 3rd Year: Providin and fixing pre cast solid concrete water table(longitudinal of CC 1:2:4 and jointed with CM 1:3 and finishing cutting, inclu- charges of machinery,loading,unloading,lead and lift,transportation (Page No 25,SI No : 5.3) Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage Maintenance for 3rd Year: Removing and resetting of kerb stones. including cost of machineries with all lead and lifts, labour charges including im Social Safeguards & as per design, drawing, technical specifica charge. Basic rate	all materia lete Rate gutter) as ding cost n etc.,com Rate all materi plementat	15481.61 1857.79 1733.94 19073.34 per the drawin of all materials plete 15481.61 1857.79 1733.94 19073.34 als, scaffoldin ion of Environ directions of E 24	charges Cum ng,made o s,labour,hi cum
22	Providin and fixing pre cast solid concrete Kerb stones as per the Jointed with CM 1:3 and finishing cutting, including cost of a machinery,loading,unloading,lead and lift,transportation etc.,comp (Page No 25,SI No : 5.3) Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage Maintenance for 3rd Year: Providin and fixing pre cast solid concrete water table(longitudinal of CC 1:2:4 and jointed with CM 1:3 and finishing cutting, inclu- charges of machinery,loading,unloading,lead and lift,transportation (Page No 25,SI No : 5.3) Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage Maintenance for 3rd Year: Removing and resetting of kerb stones. including cost of machineries with all lead and lifts, labour charges including im Social Safeguards & as per design, drawing, technical specifica charge. Basic rate Maintenance- 3rd year escalation of 12%	all materia lete Rate gutter) as ding cost n etc.,com Rate all materi plementat	15481.61 1857.79 1733.94 19073.34 per the drawin of all materials plete 15481.61 1857.79 1733.94 19073.34 als, scaffoldin ion of Environ directions of Environ	charges Cum ng,made o s,labour,hi Cum ng HOM mental ar
22	Providin and fixing pre cast solid concrete Kerb stones as per the Jointed with CM 1:3 and finishing cutting, including cost of a machinery,loading,unloading,lead and lift,transportation etc.,comp (Page No 25,SI No : 5.3) Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage Maintenance for 3rd Year: Providin and fixing pre cast solid concrete water table(longitudinal of CC 1:2:4 and jointed with CM 1:3 and finishing cutting, inclu- charges of machinery,loading,unloading,lead and lift,transportation (Page No 25,SI No : 5.3) Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage Maintenance for 3rd Year: Removing and resetting of kerb stones. including cost of machineries with all lead and lifts, labour charges including im Social Safeguards & as per design, drawing, technical specifica charge. Basic rate	all materia lete Rate gutter) as ding cost n etc.,com Rate all materi plementat	15481.61 1857.79 1733.94 19073.34 per the drawin of all materials plete 15481.61 1857.79 1733.94 19073.34 als, scaffoldin ion of Environ directions of E 24	charges Cum ng,made o s,labour,hi Cum ng HOM mental ar
22	Providin and fixing pre cast solid concrete Kerb stones as per the Jointed with CM 1:3 and finishing cutting, including cost of a machinery,loading,unloading,lead and lift,transportation etc.,comp (Page No 25,SI No : 5.3) Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage Maintenance for 3rd Year: Providin and fixing pre cast solid concrete water table(longitudinal of CC 1:2:4 and jointed with CM 1:3 and finishing cutting, inclu- charges of machinery,loading,unloading,lead and lift,transportation (Page No 25,SI No : 5.3) Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage Maintenance for 3rd Year: Removing and resetting of kerb stones. including cost of machineries with all lead and lifts, labour charges including im Social Safeguards & as per design, drawing, technical specifica charge. Basic rate Maintenance- 3rd year escalation of 12%	all materia lete Rate gutter) as ding cost n etc.,com Rate all materi plementat	15481.61 1857.79 1733.94 19073.34 per the drawin of all materials plete 15481.61 1857.79 1733.94 19073.34 als, scaffoldin ion of Environ directions of Environ directions of E 24 24 24	charges Cum ng,made c s,labour,hi ng HOM mental an Engineer-i

	Maintenance for 3rd Year:			
	KSRRB 800-1. Painting two coats after filling the surface with	synthetic enam	el paint in ap	oproved
24	shades on new plastered concrete surfaces, with materials, la	bour complete a	as per speci	fications.
	MORTH Chapter 8			
	(Page No 182,SI No : 24.1)			
	Basic Rate		80	
	Maintenance- 3rd year escalation of 12%		9.6	
	Add 10% For area weightage (Mangalore City)		8.96	
		Rate	98.56	
		Nate	50.50	oqiii
	Maintenance for 3rd Year:			
25		n Manhala far a	loctrical dua	tina
20	P/F FRP Recess Cover (2.5T) 900mmx600 mm with frame or			ung.
	As per Quotation			
	Basic Rate		10764	
	Discount 30%		-3229.2	
	Sub Total		7534.8	
	Fixing Charges @5%		753.48	
	Maintenance- 3rd year escalation of 12%		904.18	
	Maintenance- Sid year escalation of 1276	Dete		
		Rate	9192.46	INUS.
	Maintenance for 3rd Year:			
26	P/F FRP Recess Cover (2.5T) 600mmx450 mm with frame at	raised footpath	on SWD.	
20	(Rate analysis attached)			
	As per Quotation			
	Basic Rate		7179.00	
	Discount 30%		-2153.7	
	Sub Total		5025.3	
	Fixing Charges @5%		502.53	
			602 04	
	Maintenance- 3rd year escalation of 12%	- Data	603.04	
	Maintenance- 3rd year escalation of 12%	Rate	603.04 6130.87	Nos.
		Rate		
	Maintenance for 3rd Year:		6130.87	
	Maintenance for 3rd Year: P/F FRP Water gully cover with frame (25T) 600mmx500 mm		6130.87	
	Maintenance for 3rd Year:		6130.87	
	Maintenance for 3rd Year: P/F FRP Water gully cover with frame (25T) 600mmx500 mm (Rate analysis attached)		6130.87	
	Maintenance for 3rd Year: P/F FRP Water gully cover with frame (25T) 600mmx500 mm (Rate analysis attached) As per Quotation		6130.87 th.	Nos.
	Maintenance for 3rd Year: P/F FRP Water gully cover with frame (25T) 600mmx500 mm (Rate analysis attached) As per Quotation Basic Rate		6130.87 th. 7912.28	Nos.
	Maintenance for 3rd Year: P/F FRP Water gully cover with frame (25T) 600mmx500 mm (Rate analysis attached) As per Quotation Basic Rate Discount 30%		6130.87 th. 7912.28 -2373.68	Nos.
	Maintenance for 3rd Year: P/F FRP Water gully cover with frame (25T) 600mmx500 mm (Rate analysis attached) As per Quotation Basic Rate Discount 30% Sub Total		6130.87 th. 7912.28 -2373.68 5538.6	Nos.
	Maintenance for 3rd Year: P/F FRP Water gully cover with frame (25T) 600mmx500 mm (Rate analysis attached) As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5%		6130.87 th. 7912.28 -2373.68 5538.6 553.86	Nos.
	Maintenance for 3rd Year: P/F FRP Water gully cover with frame (25T) 600mmx500 mm (Rate analysis attached) As per Quotation Basic Rate Discount 30% Sub Total	at level footpa	6130.87 th. 7912.28 -2373.68 5538.6 553.86 664.63	Nos.
	Maintenance for 3rd Year: P/F FRP Water gully cover with frame (25T) 600mmx500 mm (Rate analysis attached) As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5%		6130.87 th. 7912.28 -2373.68 5538.6 553.86	Nos.
	Maintenance for 3rd Year: P/F FRP Water gully cover with frame (25T) 600mmx500 mm (Rate analysis attached) As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5% Maintenance- 3rd year escalation of 12%	at level footpa	6130.87 th. 7912.28 -2373.68 5538.6 553.86 664.63	Nos.
	Maintenance for 3rd Year: P/F FRP Water gully cover with frame (25T) 600mmx500 mm (Rate analysis attached) As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5%	at level footpa	6130.87 th. 7912.28 -2373.68 5538.6 553.86 664.63	Nos.
	Maintenance for 3rd Year: P/F FRP Water gully cover with frame (25T) 600mmx500 mm (Rate analysis attached) As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5% Maintenance- 3rd year escalation of 12%	at level footpa	6130.87 th. 7912.28 -2373.68 5538.6 553.86 664.63 6757.09	Nos.
27	Maintenance for 3rd Year: P/F FRP Water gully cover with frame (25T) 600mmx500 mm (Rate analysis attached) As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5% Maintenance for 3rd Year:	at level footpat	6130.87 th. 7912.28 -2373.68 5538.6 553.86 664.63 6757.09 red alignme	Nos. Nos. nts includi
27	Maintenance for 3rd Year: P/F FRP Water gully cover with frame (25T) 600mmx500 mm (Rate analysis attached) As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5% Maintenance for 3rd Year: Providing gully pipe lowering,laying of PVC 100 mm dia pip specials and grade as indicated in drawings/design and hydra	at level footpar	6130.87 th. 7912.28 -2373.68 5538.6 553.86 664.63 6757.09 red alignme of the pipe	Nos. Nos. nts includi line.The ra
27	Maintenance for 3rd Year: P/F FRP Water gully cover with frame (25T) 600mmx500 mm (Rate analysis attached) As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5% Maintenance- 3rd year escalation of 12% Maintenance for 3rd Year: Providing gully pipe lowering,laying of PVC 100 mm dia pip specials and grade as indicated in drawings/design and hydra shall include all jointing materials,testing apparatus and was	at level footpar	6130.87 th. 7912.28 -2373.68 5538.6 553.86 664.63 6757.09 red alignme of the pipe	Nos. Nos. nts includi line.The ra
27	Maintenance for 3rd Year: P/F FRP Water gully cover with frame (25T) 600mmx500 mm (Rate analysis attached) As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5% Maintenance for 3rd Year: Providing gully pipe lowering,laying of PVC 100 mm dia pip specials and grade as indicated in drawings/design and hydra shall include all jointing materials,testing apparatus and wa Engineer in charge (page No.41,Item No.7,KUWSDB SOR 20	at level footpar	6130.87 th. 7912.28 -2373.68 5538.6 553.86 664.63 6757.09 red alignme of the pipe etc as dire	Nos. Nos. nts includi line.The ra
27	Maintenance for 3rd Year: P/F FRP Water gully cover with frame (25T) 600mmx500 mm (Rate analysis attached) As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5% Maintenance for 3rd Year: Providing gully pipe lowering,laying of PVC 100 mm dia pip specials and grade as indicated in drawings/design and hydra shall include all jointing materials,testing apparatus and wa Engineer in charge (page No.41,Item No.7,KUWSDB SOR 20 Basic Rate	at level footpar	6130.87 th. 7912.28 -2373.68 5538.6 553.86 664.63 6757.09 red alignme of the pipe etc as dire	Nos. Nos. nts includi line.The ra
27	Maintenance for 3rd Year: P/F FRP Water gully cover with frame (25T) 600mmx500 mm (Rate analysis attached) As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5% Maintenance- 3rd year escalation of 12% Maintenance for 3rd Year: Providing gully pipe lowering,laying of PVC 100 mm dia pip specials and grade as indicated in drawings/design and hydra shall include all jointing materials,testing apparatus and wa Engineer in charge (page No.41,Item No.7,KUWSDB SOR 20 Basic Rate Maintenance- 3rd year escalation of 12%	at level footpar	6130.87 th. 7912.28 -2373.68 5538.6 553.86 664.63 6757.09 red alignme of the pipe etc as dire	Nos. Nos. nts includi line.The ra
27	Maintenance for 3rd Year: P/F FRP Water gully cover with frame (25T) 600mmx500 mm (Rate analysis attached) As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5% Maintenance- 3rd year escalation of 12% Maintenance for 3rd Year: Providing gully pipe lowering,laying of PVC 100 mm dia pip specials and grade as indicated in drawings/design and hydra shall include all jointing materials,testing apparatus and water Engineer in charge (page No.41,Item No.7,KUWSDB SOR 20) Basic Rate Maintenance- 3rd year escalation of 12%	at level footpar	6130.87 th. 7912.28 -2373.68 5538.6 553.86 664.63 6757.09 red alignme of the pipe etc as dire 297 35.64	Nos. Nos. nts includi line.The ra
27	Maintenance for 3rd Year: P/F FRP Water gully cover with frame (25T) 600mmx500 mm (Rate analysis attached) As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5% Maintenance- 3rd year escalation of 12% Maintenance for 3rd Year: Providing gully pipe lowering,laying of PVC 100 mm dia pip specials and grade as indicated in drawings/design and hydra shall include all jointing materials,testing apparatus and wa Engineer in charge (page No.41,Item No.7,KUWSDB SOR 20 Basic Rate Maintenance- 3rd year escalation of 12%	es to the requiater for testing	6130.87 th. 7912.28 -2373.68 5538.6 553.86 664.63 6757.09 red alignme of the pipe etc as dire 297 35.64 4.7	Nos. Nos. nts includi line.The ra acted by t
27	Maintenance for 3rd Year: P/F FRP Water gully cover with frame (25T) 600mmx500 mm (Rate analysis attached) As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5% Maintenance- 3rd year escalation of 12% Maintenance for 3rd Year: Providing gully pipe lowering,laying of PVC 100 mm dia pip specials and grade as indicated in drawings/design and hydra shall include all jointing materials,testing apparatus and water Engineer in charge (page No.41,Item No.7,KUWSDB SOR 20) Basic Rate Maintenance- 3rd year escalation of 12%	at level footpar	6130.87 th. 7912.28 -2373.68 5538.6 553.86 664.63 6757.09 red alignme of the pipe etc as dire 297 35.64	Nos. Nos. nts includii line.The ra acted by th
27	Maintenance for 3rd Year: P/F FRP Water gully cover with frame (25T) 600mmx500 mm (Rate analysis attached) As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5% Maintenance- 3rd year escalation of 12% Maintenance for 3rd Year: Providing gully pipe lowering,laying of PVC 100 mm dia pip specials and grade as indicated in drawings/design and hydra shall include all jointing materials,testing apparatus and water Engineer in charge (page No.41,Item No.7,KUWSDB SOR 20) Basic Rate Maintenance- 3rd year escalation of 12%	es to the requiater for testing	6130.87 th. 7912.28 -2373.68 5538.6 553.86 664.63 6757.09 red alignme of the pipe etc as dire 297 35.64 4.7	Nos. Nos. nts includii line.The ra acted by th
27	Maintenance for 3rd Year: P/F FRP Water gully cover with frame (25T) 600mmx500 mm (Rate analysis attached) As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5% Maintenance- 3rd year escalation of 12% Maintenance for 3rd Year: Providing gully pipe lowering,laying of PVC 100 mm dia pip specials and grade as indicated in drawings/design and hydra shall include all jointing materials,testing apparatus and water Engineer in charge (page No.41,Item No.7,KUWSDB SOR 20) Basic Rate Maintenance- 3rd year escalation of 12%	es to the requiater for testing	6130.87 th. 7912.28 -2373.68 5538.6 553.86 664.63 6757.09 red alignme of the pipe etc as dire 297 35.64 4.7	Nos. Nos. nts includii line.The ra acted by th
27	Maintenance for 3rd Year: P/F FRP Water gully cover with frame (25T) 600mmx500 mm (Rate analysis attached) As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5% Maintenance- 3rd year escalation of 12% Maintenance for 3rd Year: Providing gully pipe lowering,laying of PVC 100 mm dia pip specials and grade as indicated in drawings/design and hydra shall include all jointing materials,testing apparatus and wa Engineer in charge (page No.41,Item No.7,KUWSDB SOR 20) Basic Rate Maintenance- 3rd year escalation of 12% Maintenance Comparison Maintenance for 3rd Year: Maintenance for 3rd Year escalation of 12% Maintenance for 3rd Year escalation of 12% Add 10% on Labor Charges=Rs.47,For area weightage (Mangalore City) Maintenance for 3rd Year:	es to the requiaulically testing ater for testi g	6130.87 th. 7912.28 -2373.68 5538.6 553.86 664.63 6757.09 red alignme of the pipe etc as dire 297 35.64 4.7 337.34	Nos. Nos. Nos. Nos. Rm
27	Maintenance for 3rd Year: P/F FRP Water gully cover with frame (25T) 600mmx500 mm (Rate analysis attached) As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5% Maintenance for 3rd Year: Providing gully pipe lowering,laying of PVC 100 mm dia pip specials and grade as indicated in drawings/design and hydrashall include all jointing materials,testing apparatus and waterials include all jointing materials,testing apparatus and waterials and the state of the state o	es to the requiaulically testing atter for testi	6130.87 th. 7912.28 -2373.68 5538.6 553.86 664.63 6757.09 red alignme of the pipe etc as dire 297 35.64 4.7 337.34 self cleaning	Nos. Nos. Nos. nts includi line.The ra ected by t Rm
27	Maintenance for 3rd Year: P/F FRP Water gully cover with frame (25T) 600mmx500 mm (Rate analysis attached) As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5% Maintenance- 3rd year escalation of 12% Maintenance for 3rd Year: Providing gully pipe lowering,laying of PVC 100 mm dia pip specials and grade as indicated in drawings/design and hydra shall include all jointing materials,testing apparatus and water as a indicated in drawings/design and hydra shall include all jointing materials,testing apparatus and water as a indicated in frame No.7,KUWSDB SOR 20 Basic Rate Maintenance- 3rd year escalation of 12% Add 10% on Labor Charges=Rs.47,For area weightage (Mangalore City) Maintenance for 3rd Year: KSRB 11-18-17.1 : Providing and fixing sand cast iron trap of screwed down or hinged grating with or without vent arm include	es to the requiaulically testing ater for testing ater fo	6130.87 th. 7912.28 -2373.68 5538.6 553.86 664.63 6757.09 red alignme of the pipe etc as dire 297 35.64 4.7 337.34 self cleaning d making goo	Nos. Nos. Nos. Nos. Rm design wit od the wall
27	Maintenance for 3rd Year: P/F FRP Water gully cover with frame (25T) 600mmx500 mm (Rate analysis attached) As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5% Maintenance- 3rd year escalation of 12% Maintenance for 3rd Year: Providing gully pipe lowering,laying of PVC 100 mm dia pip specials and grade as indicated in drawings/design and hydra shall include all jointing materials,testing apparatus and water and the second state of 12% Basic Rate Maintenance- 3rd year escalation of 12% Basic Rate Maintenance for 3rd Year: RKRB 11-18-17.1 : Providing and fixing sand cast iron trap of screwed down or hinged grating with or without vent arm incluand floors, cost of materials, labour, testing, complete as per state	es to the requiaulically testing ater for testing ater fo	6130.87 th. 7912.28 -2373.68 5538.6 553.86 664.63 6757.09 red alignme of the pipe etc as dire 297 35.64 4.7 337.34 self cleaning d making goo	Nos. Nos. Nos. Nos. Rm design wit od the wall
27	Maintenance for 3rd Year: P/F FRP Water gully cover with frame (25T) 600mmx500 mm (Rate analysis attached) As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5% Maintenance- 3rd year escalation of 12% Maintenance for 3rd Year: Providing gully pipe lowering,laying of PVC 100 mm dia pip specials and grade as indicated in drawings/design and hydra shall include all jointing materials,testing apparatus and water as a indicated in drawings/design and hydra shall include all jointing materials,testing apparatus and water as a indicated in frame No.7,KUWSDB SOR 20 Basic Rate Maintenance- 3rd year escalation of 12% Add 10% on Labor Charges=Rs.47,For area weightage (Mangalore City) Maintenance for 3rd Year: KSRB 11-18-17.1 : Providing and fixing sand cast iron trap of screwed down or hinged grating with or without vent arm include	es to the requiaulically testing ater for testing ater fo	6130.87 th. 7912.28 -2373.68 5538.6 553.86 664.63 6757.09 red alignme of the pipe etc as dire 297 35.64 4.7 337.34 self cleaning d making goo	Nos. Nos. Nos. Nos. Rm design wire od the wall

	Basic Rate		830	
	Maintenance- 3rd year escalation of 12%		99.6	
	Add 10% For area weightage (Mangalore City)		92.96	
		Rate	1022.56	Nos.
	Maintenance for 3rd Year:	• •		
	KSRRB M800-29.3.Cable Duct Across the road KSRRB M80		-	
	reinforced cement concrete pipe duct, 300 mm dia, across the			
	from drain to drain in cuts and toe of slope to toe of slope in fills, co	onstructing	g head walls a	t both end
	providing a minimum fill of granular material over top and sides	of RCC	pipe as per IR	C:98-199
30	bedded on a 0.3 m thick layer of granular material free of rock pie			
00	at least half dia of pipe subject to minimum450 mm in case of dou			
	made leak proof, invert level of duct to be above higher than gro			
	and dirt, all as per IRC: 98 - 1997 and approved drawings compl	lete as pe	r specification	s. Case
	:Triple row for three utility services.			
	(PWD SR 2015-16,SI.No.24.36)			
	Basic Rate		5022	
	Maintenance- 3rd year escalation of 12%		602.64	
	Add 10% For area weightage (Mangalore City)		562.46	
	naa rover of area weightage (mangalere eity)	Rate	6187.10	Rm
		Nate	0107.10	
	Maintenance for 3rd Year:			
	Providing and laying Dia 225 mm HDPE Electrical pipe Conduits	s with Sille	core Lubricant	inner la
	with ribs, dimensional ratio of 13.5, Deflection not greater than	5% wher	exposed to	the norr
31	operating temparature 90°C under the over burden soil presu			
51	comforming to ASTMF 2160 and /or NEMA TC7. The expected ser			
		vice life o		
	accessories shall not be less than 50 years.			
	(Market Rate)			
	Basic Rate		1886	
		+ +		
	Labour Cost for laving and Jointing-KUWSDB.HDPE Pipes.Item			
	Labour Cost for laying and Jointing-KUWSDB,HDPE Pipes,Item		78	
	No.50,Pg.No.123)			
	No.50,Pg.No.123) Contractor Profit@10%		188.6	
	No.50,Pg.No.123) Contractor Profit@10% Add 10% For area weightage (Mangalore City)		188.6 7.8	
	No.50,Pg.No.123) Contractor Profit@10% Add 10% For area weightage (Mangalore City) Sub Total		188.6 7.8 2160.4	
	No.50,Pg.No.123) Contractor Profit@10% Add 10% For area weightage (Mangalore City)	Pata	188.6 7.8 2160.4 259.25	
	No.50,Pg.No.123) Contractor Profit@10% Add 10% For area weightage (Mangalore City) Sub Total	Rate	188.6 7.8 2160.4	Rm
	No.50,Pg.No.123) Contractor Profit@10% Add 10% For area weightage (Mangalore City) Sub Total	Rate	188.6 7.8 2160.4 259.25	Rm
	No.50,Pg.No.123) Contractor Profit@10% Add 10% For area weightage (Mangalore City) Sub Total Maintenance- 3rd year escalation of 12% Maintenance for 3rd Year:		188.6 7.8 2160.4 259.25 2419.65	
	No.50,Pg.No.123) Contractor Profit@10% Add 10% For area weightage (Mangalore City) Sub Total Maintenance- 3rd year escalation of 12% Maintenance for 3rd Year: Providing and laying Dia 160mm HDPE Electrical pipe Conduits with the second	th Silicore	188.6 7.8 2160.4 259.25 2419.65	er layer w
32	No.50,Pg.No.123) Contractor Profit@10% Add 10% For area weightage (Mangalore City) Sub Total Maintenance- 3rd year escalation of 12% Maintenance for 3rd Year: Providing and laying Dia 160mm HDPE Electrical pipe Conduits wiribs, dimensional ratio of 13.5,Deflection not greater than 5% whether	th Silicore	188.6 7.8 2160.4 259.25 2419.65 Lubricant inne	er layer w al operat
32	No.50,Pg.No.123) Contractor Profit@10% Add 10% For area weightage (Mangalore City) Sub Total Maintenance- 3rd year escalation of 12% Maintenance for 3rd Year: Providing and laying Dia 160mm HDPE Electrical pipe Conduits wir ribs, dimensional ratio of 13.5,Deflection not greater than 5% whe temparature 90°C under the over burden soil presuure and other	ith Silicore en expose r physical	188.6 7.8 2160.4 259.25 2419.65 Lubricant inne d to the norma properties cor	er layer w al operat nforming
32	No.50,Pg.No.123) Contractor Profit@10% Add 10% For area weightage (Mangalore City) Sub Total Maintenance- 3rd year escalation of 12% Maintenance for 3rd Year: Providing and laying Dia 160mm HDPE Electrical pipe Conduits wiribs, dimensional ratio of 13.5,Deflection not greater than 5% whetemparature 90°C under the over burden soil presuure and other ASTMF 2160 and /or NEMA TC7.The expected service life of HE	ith Silicore en expose r physical	188.6 7.8 2160.4 259.25 2419.65 Lubricant inne d to the norma properties cor	er layer w al operati nforming
32	No.50,Pg.No.123) Contractor Profit@10% Add 10% For area weightage (Mangalore City) Sub Total Maintenance- 3rd year escalation of 12% Maintenance for 3rd Year: Providing and laying Dia 160mm HDPE Electrical pipe Conduits wiribs, dimensional ratio of 13.5,Deflection not greater than 5% whetemparature 90°C under the over burden soil presuure and other ASTMF 2160 and /or NEMA TC7.The expected service life of HE shall not be less than 50 years.(Market Rate)	ith Silicore en expose r physical	188.6 7.8 2160.4 259.25 2419.65 Lubricant inne d to the norma properties cor conduits and a	er layer w al operati nforming
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32	No.50,Pg.No.123) Contractor Profit@10% Add 10% For area weightage (Mangalore City) Sub Total Maintenance- 3rd year escalation of 12% Maintenance for 3rd Year: Providing and laying Dia 160mm HDPE Electrical pipe Conduits wiribs, dimensional ratio of 13.5,Deflection not greater than 5% whetemparature 90°C under the over burden soil presuure and other ASTMF 2160 and /or NEMA TC7.The expected service life of HE shall not be less than 50 years.(Market Rate)	ith Silicore en expose r physical	188.6 7.8 2160.4 259.25 2419.65 Lubricant inne d to the norma properties cor conduits and a	er layer w al operati nforming
32	No.50,Pg.No.123) Contractor Profit@10% Add 10% For area weightage (Mangalore City) Sub Total Maintenance- 3rd year escalation of 12% Maintenance for 3rd Year: Providing and laying Dia 160mm HDPE Electrical pipe Conduits wire ribs, dimensional ratio of 13.5, Deflection not greater than 5% wheteer temparature 90°C under the over burden soil presuure and other ASTMF 2160 and /or NEMA TC7. The expected service life of HI shall not be less than 50 years. (Market Rate) Basic Rate	ith Silicore en expose r physical	188.6 7.8 2160.4 259.25 2419.65 4 to the norma properties cor conduits and a 996.3	er layer w al operati nforming
32	No.50,Pg.No.123) Contractor Profit@10% Add 10% For area weightage (Mangalore City) Sub Total Maintenance- 3rd year escalation of 12% Maintenance for 3rd Year: Providing and laying Dia 160mm HDPE Electrical pipe Conduits wiribs, dimensional ratio of 13.5,Deflection not greater than 5% whet temparature 90°C under the over burden soil presuure and other ASTMF 2160 and /or NEMA TC7.The expected service life of HE shall not be less than 50 years.(Market Rate) Basic Rate Labour Cost for laying and Jointing-KUWSDB,HDPE Pipes,Item No.50,Pg.No.123)	ith Silicore en expose r physical	188.6 7.8 2160.4 259.25 2419.65 2419.65 4 to the norma properties cor conduits and a 996.3 66	er layer w al operati nforming
32	No.50,Pg.No.123) Contractor Profit@10% Add 10% For area weightage (Mangalore City) Sub Total Maintenance- 3rd year escalation of 12% Maintenance for 3rd Year: Providing and laying Dia 160mm HDPE Electrical pipe Conduits wiribs, dimensional ratio of 13.5,Deflection not greater than 5% whetemparature 90°C under the over burden soil presuure and other ASTMF 2160 and /or NEMA TC7.The expected service life of HI shall not be less than 50 years.(Market Rate) Basic Rate Labour Cost for laying and Jointing-KUWSDB,HDPE Pipes,Item No.50,Pg.No.123) Contractor Profit@10%	ith Silicore en expose r physical	188.6 7.8 2160.4 259.25 2419.65 2419.65 2419.65 4000000000000000000000000000000000000	er layer w al operati nforming
32	No.50,Pg.No.123) Contractor Profit@10% Add 10% For area weightage (Mangalore City) Sub Total Maintenance- 3rd year escalation of 12% Maintenance for 3rd Year: Providing and laying Dia 160mm HDPE Electrical pipe Conduits wir ribs, dimensional ratio of 13.5,Deflection not greater than 5% whetemparature 90°C under the over burden soil presuure and other ASTMF 2160 and /or NEMA TC7.The expected service life of HI shall not be less than 50 years.(Market Rate) Basic Rate Labour Cost for laying and Jointing-KUWSDB,HDPE Pipes,Item No.50,Pg.No.123) Contractor Profit@10% Add 10% For area weightage (Mangalore City)	ith Silicore en expose r physical	188.6 7.8 2160.4 259.25 2419.65 2419.65 2419.65 2419.65 2419.65 9996.3 66 999.63 6.6	er layer w al operati nforming
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32	No.50,Pg.No.123) Contractor Profit@10% Add 10% For area weightage (Mangalore City) Sub Total Maintenance- 3rd year escalation of 12% Maintenance for 3rd Year: Providing and laying Dia 160mm HDPE Electrical pipe Conduits wir ribs, dimensional ratio of 13.5,Deflection not greater than 5% whetemparature 90°C under the over burden soil presuure and other ASTMF 2160 and /or NEMA TC7.The expected service life of HI shall not be less than 50 years.(Market Rate) Basic Rate Labour Cost for laying and Jointing-KUWSDB,HDPE Pipes,Item No.50,Pg.No.123) Contractor Profit@10% Add 10% For area weightage (Mangalore City)	th Silicore en expose physical DPE pipe	188.6 7.8 2160.4 259.25 2419.65 2419.65 2419.65 2419.65 2419.65 60 996.3 66 999.63 6.6 1168.53 140.22	er layer w al operati nforming accessor
32	No.50,Pg.No.123) Contractor Profit@10% Add 10% For area weightage (Mangalore City) Sub Total Maintenance- 3rd year escalation of 12% Maintenance for 3rd Year: Providing and laying Dia 160mm HDPE Electrical pipe Conduits wir ribs, dimensional ratio of 13.5,Deflection not greater than 5% whe temparature 90°C under the over burden soil presuure and other ASTMF 2160 and /or NEMA TC7.The expected service life of HI shall not be less than 50 years.(Market Rate) Basic Rate Labour Cost for laying and Jointing-KUWSDB,HDPE Pipes,Item No.50,Pg.No.123) Contractor Profit@10% Add 10% For area weightage (Mangalore City) Sub Total	ith Silicore en expose r physical	188.6 7.8 2160.4 259.25 2419.65 2419.65 2419.65 Conduits and a 996.3 66 99.63 6.6 1168.53	er layer w al operati nforming
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32	No.50,Pg.No.123) Contractor Profit@10% Add 10% For area weightage (Mangalore City) Sub Total Maintenance- 3rd year escalation of 12% Maintenance for 3rd Year: Providing and laying Dia 160mm HDPE Electrical pipe Conduits wiribs, dimensional ratio of 13.5,Deflection not greater than 5% whetemparature 90°C under the over burden soil presuure and other ASTMF 2160 and /or NEMA TC7.The expected service life of HI shall not be less than 50 years.(Market Rate) Basic Rate Labour Cost for laying and Jointing-KUWSDB,HDPE Pipes,Item No.50,Pg.No.123) Contractor Profit@10% Add 10% For area weightage (Mangalore City) Sub Total Maintenance for 3rd Year:	th Silicore en expose physical DPE pipe	188.6 7.8 2160.4 259.25 2419.65 2419.65 2419.65 Conduits and a 996.3 66 99.63 6.6 1168.53 140.22 1308.75	er layer w al operati nforming accessor
	No.50,Pg.No.123) Contractor Profit@10% Add 10% For area weightage (Mangalore City) Sub Total Maintenance- 3rd year escalation of 12% Maintenance for 3rd Year: Providing and laying Dia 160mm HDPE Electrical pipe Conduits wiribs, dimensional ratio of 13.5,Deflection not greater than 5% whetemparature 90°C under the over burden soil presuure and other ASTMF 2160 and /or NEMA TC7.The expected service life of HI shall not be less than 50 years.(Market Rate) Basic Rate Labour Cost for laying and Jointing-KUWSDB,HDPE Pipes,Item No.50,Pg.No.123) Contractor Profit@10% Add 10% For area weightage (Mangalore City) Sub Total Maintenance for 3rd Year: Providing and Fixixng Spacers for Power Ducts of size 225 mm,	th Silicore en expose physical DPE pipe	188.6 7.8 2160.4 259.25 2419.65 2419.65 2419.65 Conduits and a 996.3 66 99.63 6.6 1168.53 140.22 1308.75	er layer w al operati nforming accessor
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	No.50,Pg.No.123) Contractor Profit@10% Add 10% For area weightage (Mangalore City) Sub Total Maintenance- 3rd year escalation of 12% Providing and laying Dia 160mm HDPE Electrical pipe Conduits wiribs, dimensional ratio of 13.5,Deflection not greater than 5% whet temparature 90°C under the over burden soil presuure and other ASTMF 2160 and /or NEMA TC7.The expected service life of HI shall not be less than 50 years.(Market Rate) Basic Rate Labour Cost for laying and Jointing-KUWSDB,HDPE Pipes,Item No.50,Pg.No.123) Contractor Profit@10% Add 10% For area weightage (Mangalore City) Sub Total Maintenance for 3rd Year: Providing and Fixixng Spacers for Power Ducts of size 225 mm, meter. Spacers shall be made of ABS raw material. (Market rate) Basic Rate	th Silicore en expose physical DPE pipe	188.6 7.8 2160.4 259.25 2419.65 2419.65 2419.65 2419.65 2419.65 996.3 66 996.3 66 1168.53 140.22 1308.75 aced at an int 1003	er layer w al operati nforming accessori
32	No.50,Pg.No.123) Contractor Profit@10% Add 10% For area weightage (Mangalore City) Sub Total Maintenance- 3rd year escalation of 12% Maintenance for 3rd Year: Providing and laying Dia 160mm HDPE Electrical pipe Conduits wiribs, dimensional ratio of 13.5,Deflection not greater than 5% whetemparature 90°C under the over burden soil presuure and other ASTMF 2160 and /or NEMA TC7.The expected service life of HI shall not be less than 50 years.(Market Rate) Basic Rate Labour Cost for laying and Jointing-KUWSDB,HDPE Pipes,Item No.50,Pg.No.123) Contractor Profit@10% Add 10% For area weightage (Mangalore City) Sub Total Maintenance for 3rd Year: Providing and Fixixng Spacers for Power Ducts of size 225 mm, meter. Spacers shall be made of ABS raw material. (Market rate) Basic Rate Maintenance 3rd year escalation of 12%	th Silicore en expose physical DPE pipe	188.6 7.8 2160.4 259.25 2419.65 2419.65 2419.65 2419.65 2419.65 2000 1003 80.24	er layer w al operati nforming accessori
	No.50,Pg.No.123) Contractor Profit@10% Add 10% For area weightage (Mangalore City) Sub Total Maintenance- 3rd year escalation of 12% Providing and laying Dia 160mm HDPE Electrical pipe Conduits wiribs, dimensional ratio of 13.5,Deflection not greater than 5% whet temparature 90°C under the over burden soil presuure and other ASTMF 2160 and /or NEMA TC7.The expected service life of HI shall not be less than 50 years.(Market Rate) Basic Rate Labour Cost for laying and Jointing-KUWSDB,HDPE Pipes,Item No.50,Pg.No.123) Contractor Profit@10% Add 10% For area weightage (Mangalore City) Sub Total Maintenance for 3rd Year: Providing and Fixixng Spacers for Power Ducts of size 225 mm, meter. Spacers shall be made of ABS raw material. (Market rate) Basic Rate	th Silicore en expose physical DPE pipe	188.6 7.8 2160.4 259.25 2419.65 2419.65 2419.65 2419.65 2419.65 996.3 66 996.3 66 1168.53 140.22 1308.75 aced at an int 1003	er layer w al operati nforming accessori

	Maintenance for 3rd Year:			
34	Providing and Fixing Spacers for Power Ducts of size 160 mm	, to be pla	aced at an inte	erval of 1
	meter. Spacers shall be made of ABS raw material.			
	(Market rate) Basic Rate	<u>г</u>	1947	
	Maintenance- 3rd year escalation of 12%		233.64	
	Contractor Profit@10%			
		Poto	194.7 2375.34	Nos.
		Rate	2375.34	NOS.
	Maintenance for 3rd Year:			
	Supplying 7-way 40mm HDPE pipe Multi-way Duct Silicore Lubric	cant inner	laver for ICT f	fibre cabl
	comforming to ASTMF 2160 and /or equivalent indian standard a			
35	loading and unloading at both destination and rolling, lowering in		•	
	jointing of pipe etc.Complete.		so,laying true	
	(Market Rate)			
	Basic Rate		561.7	
	Labour Cost for laying and Jointing-KUWSDB,HDPE Pipes,Item		501.7	
			36	
	No.50,Pg.No.123) Contractor Profit@10%		56.17	
	Add 12% For area weightage (Mangalore City)			
	Sub Total		3.6	
			657.47	
	Maintenance- 3rd year escalation of 12%	Data	78.9	Due
		Rate	736.37	Rm
	Maintenance for 3rd Year:			
	Supplying and Application charges required for stamping the fresh			
36	is not included in this item) including finishing and colouring the top			
	level, shape and size using approved colour shade and staping it u	sing appro	wed stamn nat	Itern and
	antiquitting it on top with approved colour. Sealing entire area with			
	antiquitting it on top with approved colour.Sealing entire area with a Basic rate		ealer.	
	antiquitting it on top with approved colour.Sealing entire area with a Basic rate Maintenance- 3rd year escalation of 12%		ealer. 624.00	
	antiquitting it on top with approved colour.Sealing entire area with a Basic rate		ealer. 624.00 74.88	
	antiquitting it on top with approved colour.Sealing entire area with a Basic rate Maintenance- 3rd year escalation of 12%	concrete s	ealer. 624.00 74.88 69.89	Sqm
	antiquitting it on top with approved colour.Sealing entire area with a Basic rate Maintenance- 3rd year escalation of 12%	concrete s	ealer. 624.00 74.88 69.89	
	antiquitting it on top with approved colour.Sealing entire area with a Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage (Mangalore City)	Rate	ealer. 624.00 74.88 69.89 768.77	Sqm
	antiquitting it on top with approved colour.Sealing entire area with a Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage (Mangalore City) Maintenance for 3rd Year: Providing and laying heavy duty cobble stones 75mm thick, u	Rate	ealer. 624.00 74.88 69.89 768.77 ent and cours	Sqm
	antiquitting it on top with approved colour.Sealing entire area with a Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage (Mangalore City) Maintenance for 3rd Year: Providing and laying heavy duty cobble stones 75mm thick, u manufacture of blocks of approved size, shape and colour with a	Rate sing ceme	ealer. 624.00 74.88 69.89 768.77 ent and cours compressive	Sqm se sand strength
37	antiquitting it on top with approved colour.Sealing entire area with a Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage (Mangalore City) Maintenance for 3rd Year: Providing and laying heavy duty cobble stones 75mm thick, u	Rate Sing ceme a minimum and comp	ealer. <u>624.00</u> 74.88 <u>69.89</u> 768.77 ent and cours a compressive pacting with pl	Sqm se sand strength ate vibra
37	antiquitting it on top with approved colour.Sealing entire area with a Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage (Mangalore City) Maintenance for 3rd Year: Providing and laying heavy duty cobble stones 75mm thick, u manufacture of blocks of approved size, shape and colour with a 281 kg per sqm over 30mm thick sand bed (average thickness)	Rate Rate sing ceme a minimum and comp neath to c	ealer. 624.00 74.88 69.89 768.77 ent and cours compressive pacting with pl ome up in betw	Sqm se sand strength late vibra ween join
37	antiquitting it on top with approved colour.Sealing entire area with a Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage (Mangalore City) Maintenance for 3rd Year: Providing and laying heavy duty cobble stones 75mm thick, u manufacture of blocks of approved size, shape and colour with a 281 kg per sqm over 30mm thick sand bed (average thickness) having 3 tons compaction force thereby forcing part of sand under	Rate Rate sing ceme a minimum and comp neath to c	ealer. 624.00 74.88 69.89 768.77 ent and cours compressive pacting with pl ome up in betw	Sqm se sand strength late vibra ween join
37	antiquitting it on top with approved colour.Sealing entire area with a Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage (Mangalore City) Maintenance for 3rd Year: Providing and laying heavy duty cobble stones 75mm thick, u manufacture of blocks of approved size, shape and colour with a 281 kg per sqm over 30mm thick sand bed (average thickness) having 3 tons compaction force thereby forcing part of sand under final compaction of paver surface joints into its final level, including of machineries complete as per specifications.	Rate Rate sing ceme a minimum and comp neath to c	ealer. 624.00 74.88 69.89 768.77 ent and cours compressive pacting with pl ome up in betw	Sqm se sand strength late vibra ween join
37	antiquitting it on top with approved colour.Sealing entire area with a Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage (Mangalore City) Maintenance for 3rd Year: Providing and laying heavy duty cobble stones 75mm thick, u manufacture of blocks of approved size, shape and colour with a 281 kg per sqm over 30mm thick sand bed (average thickness) having 3 tons compaction force thereby forcing part of sand under final compaction of paver surface joints into its final level, including of machineries complete as per specifications. (Page No 101,SI No : 14.7)	Rate Rate sing ceme a minimum and comp neath to c	ealer. 624.00 74.88 69.89 768.77 ent and cours compressive pacting with pl ome up in betw naterials, labou	Sqm se sand strength late vibra ween join
37	antiquitting it on top with approved colour.Sealing entire area with a Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage (Mangalore City) Maintenance for 3rd Year: Providing and laying heavy duty cobble stones 75mm thick, u manufacture of blocks of approved size, shape and colour with a 281 kg per sqm over 30mm thick sand bed (average thickness) having 3 tons compaction force thereby forcing part of sand under final compaction of paver surface joints into its final level, including of machineries complete as per specifications. (Page No 101,SI No : 14.7) Basic rate	Rate Rate sing ceme a minimum and comp neath to c	ealer. 624.00 74.88 69.89 768.77 ent and cours a compressive pacting with pl ome up in betw naterials, labou	Sqm se sand t strength late vibrat ween join
37	antiquitting it on top with approved colour.Sealing entire area with a Basic rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage (Mangalore City) Maintenance for 3rd Year: Providing and laying heavy duty cobble stones 75mm thick, u manufacture of blocks of approved size, shape and colour with a 281 kg per sqm over 30mm thick sand bed (average thickness) having 3 tons compaction force thereby forcing part of sand under final compaction of paver surface joints into its final level, including of machineries complete as per specifications. (Page No 101,SI No : 14.7) Basic rate Maintenance- 3rd year escalation of 12%	Rate Rate sing ceme a minimum and comp neath to c	ealer. <u>624.00</u> 74.88 <u>69.89</u> 768.77 ent and cours a compressive pacting with pl ome up in betw naterials, labou <u>1114</u> <u>133.68</u>	Sqm se sand strength late vibra ween join
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39	Maintenance for 3rd Year: KSRRB M500-19. Providing and laying bituminous concrete 40 crushed aggregates of specified grading, premixed with bituminous hot mix to work site, laying with a paver finisher to the required grasmooth wheeled, vibratory and tandem rollers to achieve the despecification clause No. 500.9 complete in all respects complete Specification No. 509 - using40/60 TPH capacity H.M.P. with Memm) with 6 % VG-40 Bitumen	us binder ide, level esired co ete as po	and filler, tra and alignmer ompaction as er specificatio Paver Gr-II (:	nsporting the ht, rolling with per MORTH ons. MORTH
	Basic rate		8761	
	Maintenance- 3rd year escalation of 12%		1051.32	
	Add 10% For area weightage (Mangalore City)	Dete	981.23	
		Rate	10793.55	Cum
40	Maintenance for 3rd Year: KSRRB M800 Road markers / Road stud KSRRB M800-35. Pro 100 mm, diecast in aluminium, resistant to corrosive effect of salt installed in concrete or asphaltic surface by drilling hole 30 mm up a suitable bituminous grout or epoxy mortar, all as per BS: a specifications Basic rate	and grit, to a dept	fitted with len h of 60 mm a	se reflectors, nd bedded in
	Maintenance- 3rd year escalation of 12%		34.68	
	Add 10% For area weightage (Mangalore City)		32.37	
		Rate	356.05	
	Maintenance for 3rd Year:			
	circular shape, solar powered, LED self illumination in active n		-	
41	reflective panels with micro prismatic lens in passive mode. The n kg tested in accordance to IRC 37 and shall be resistant odust and (Ingress Protection 65 is a test which is conducted to check if solid dust Ingress and low pressure water jets from any direction) temperatures in the range of 0 C to 70 C. Color of lighting could be as per requirement and typical frequency of blinking is 1 Hz. The than 20 micro-amperes at 2.4 V in sleep-charging mode to enhard charge should provide for a minimum autonomy of 50 hours. T marker shall not be less than 10 mm x 100 mm x 100 mm. Also, shall not be less than 100 mm respectively. The weight of the mare Fixing will be by drilling holes on the road for the shanks to go instruction.	narker sh nd water ar road s standar re should nce the li he heigh the surfa ker shall side, with	all support a ingress accor stud is protect ds and shou ed in red or ye d be current lo fe of the mark t, width and ace diameter of not exceed 0 nout nails and	mination and load of20000 ding to IP 65 ed from total ild withstand ellow (amber) osses of less ker and a full length of the of the marker .5 Kilograms.
41	reflective panels with micro prismatic lens in passive mode. The n kg tested in accordance to IRC 37 and shall be resistant dust and (Ingress Protection 65 is a test which is conducted to check if solid dust Ingress and low pressure water jets from any direction) temperatures in the range of 0 C to 70 C. Color of lighting could be as per requirement and typical frequency of blinking is 1 Hz. The than 20 micro-amperes at 2.4 V in sleep-charging mode to enhard charge should provide for a minimum autonomy of 50 hours. T marker shall not be less than 10 mm x 100 mm x 100 mm. Also, shall not be less than 100 mm respectively. The weight of the mare Fixing will be by drilling holes on the road for the shanks to go instress resin based adhesive as per manufacturer's recommendation engineer. Basic Rate	narker sh nd water ar road s standar re should nce the li he heigh the surfa ker shall side, with	all support a ingress accor stud is protect rds and should d be current lo fe of the mark t, width and ace diameter of not exceed 0. nout nails and nplete as direct 2961	mination and load of20000 ding to IP 65 ed from total ald withstand ellow (amber) osses of less ker and a full length of the of the marker .5 Kilograms. using epoxy ected by the
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41	reflective panels with micro prismatic lens in passive mode. The n kg tested in accordance to IRC 37 and shall be resistant dust and (Ingress Protection 65 is a test which is conducted to check if sold dust Ingress and low pressure water jets from any direction) temperatures in the range of 0 C to 70 C. Color of lighting could be as per requirement and typical frequency of blinking is 1 Hz. The than 20 micro-amperes at 2.4 V in sleep-charging mode to enhance charge should provide for a minimum autonomy of 50 hours. T marker shall not be less than 10 mm x 100 mm x 100 mm. Also, shall not be less than 100 mm respectively. The weight of the mar Fixing will be by drilling holes on the road for the shanks to go ins resin based adhesive as per manufacturer's recommendation engineer. Basic Rate Maintenance- 3rd year escalation of 12%	narker sh nd water ar road s standar be provide re should nee the li he heigh the surfa ker shall side, with and con Rate lectrising compound sqm ar- ned surfa	all support a ingress accor stud is protect ds and should d in red or yet d be current lo fe of the mark t, width and ace diameter of not exceed 0. nout nails and nplete as direct 2961 355.32 331.63 3647.95 Glass Beads d 2.5mm this ea,thickness ce to be level	mination and load of20000 ding to IP 65 ed from total ald withstand ellow (amber) osses of less ker and a full length of the of the marker .5 Kilograms. Using epoxy ected by the Sqm on Concrete ck including of 2.5mm is
	reflective panels with micro prismatic lens in passive mode. The m kg tested in accordance to IRC 37 and shall be resistantto dust and (Ingress Protection 65 is a test which is conducted to check if sold dust Ingress and low pressure water jets from any direction) temperatures in the range of 0 C to 70 C. Color of lighting could be as per requirement and typical frequency of blinking is 1 Hz. The than 20 micro-amperes at 2.4 V in sleep-charging mode to enhard charge should provide for a minimum autonomy of 50 hours. T marker shall not be less than 10 mm x 100 mm x 100 mm. Also, shall not be less than 100 mm respectively. The weight of the mare Fixing will be by drilling holes on the road for the shanks to go inse resin based adhesive as per manufacturer's recommendation engineer. Basic Rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage (Mangalore City) Maintenance for 3rd Year: Road Marking with hot applied Thermoplastic Compound with Ref Surface:Providing and laying of hot applied thermoplastic coreflectorising glass beads at 250 gms and 2 ltr of primer per exclusive of surface applied glass beads as per IRC:35. The finish free from streak and holes complete as per specifications.MORTH (Page No 192,SI No : 24.57)	narker sh nd water ar road s standar be provide re should nee the li he heigh the surfa ker shall side, with and con Rate lectrising compound sqm ar- ned surfa	all support a ingress accor stud is protect ds and should d be current lo fe of the mark t, width and ace diameter of not exceed 0 not exceed 0 not exceed 0 not exceed 0 not exceed 0 acc diameter of not diameter of not exceed 0 acc diameter of acc diame	mination and load of20000 ding to IP 65 ed from total ald withstand ellow (amber) osses of less ker and a full length of the of the marker .5 Kilograms. Using epoxy ected by the Sqm on Concrete ck including of 2.5mm is
	reflective panels with micro prismatic lens in passive mode. The m kg tested in accordance to IRC 37 and shall be resistantto dust and (Ingress Protection 65 is a test which is conducted to check if sold dust Ingress and low pressure water jets from any direction) temperatures in the range of 0 C to 70 C. Color of lighting could be as per requirement and typical frequency of blinking is 1 Hz. The than 20 micro-amperes at 2.4 V in sleep-charging mode to enhard charge should provide for a minimum autonomy of 50 hours. T marker shall not be less than 10 mm x 100 mm x 100 mm. Also, shall not be less than 100 mm respectively. The weight of the mare Fixing will be by drilling holes on the road for the shanks to go instress neased adhesive as per manufacturer's recommendation engineer. Basic Rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage (Mangalore City) Maintenance for 3rd Year: Road Marking with hot applied Thermoplastic Compound with Ref Surface:Providing and laying of hot applied thermoplastic correflectorising glass beads at 250 gms and 2 ltr of primer per exclusive of surface applied glass beads as per IRC:35. The finish free from streak and holes complete as per specifications.MORTH (Page No 192,SI No : 24.57) Basic Rate	narker sh nd water ar road s standar be provide re should nee the li he heigh the surfa ker shall side, with and con Rate lectrising compound sqm ar- ned surfa	all support a ingress accor stud is protect rds and should d be current lo fe of the mark t, width and lo ace diameter of not exceed 0. not ex	mination and load of20000 ding to IP 65 ed from total ald withstand ellow (amber) osses of less ker and a full length of the of the marker .5 Kilograms. Using epoxy ected by the Sqm on Concrete ck including of 2.5mm is l,uniform and
	reflective panels with micro prismatic lens in passive mode. The m kg tested in accordance to IRC 37 and shall be resistantto dust and (Ingress Protection 65 is a test which is conducted to check if sold dust Ingress and low pressure water jets from any direction) temperatures in the range of 0 C to 70 C. Color of lighting could be as per requirement and typical frequency of blinking is 1 Hz. The than 20 micro-amperes at 2.4 V in sleep-charging mode to enhar charge should provide for a minimum autonomy of 50 hours. T marker shall not be less than 10 mm x 100 mm x 100 mm. Also, shall not be less than 100 mm respectively. The weight of the mar Fixing will be by drilling holes on the road for the shanks to go ins resin based adhesive as per manufacturer's recommendation engineer. Basic Rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage (Mangalore City) Maintenance for 3rd Year: Road Marking with hot applied Thermoplastic Compound with Ref Surface:Providing and laying of hot applied thermoplastic cor reflectorising glass beads at 250 gms and 2 ltr of primer per exclusive of surface applied glass beads as per specifications.MORTH (Page No 192,SI No : 24.57) Basic Rate Maintenance- 3rd year escalation of 12%	narker sh nd water ar road s standar be provide re should nee the li he heigh the surfa ker shall side, with and con Rate lectrising compound sqm ar- ned surfa	all support a ingress accor stud is protect rds and should d in red or yed be current lo fe of the mark t, width and lo ace diameter of not exceed 0 nout nails and nplete as dire 2961 355.32 331.63 3647.95 Glass Beads d 2.5mm this ea,thickness ce to be level ation No.803	mination and load of20000 ding to IP 65 ed from total ald withstand ellow (amber) bases of less ker and a full length of the of the marker 5 Kilograms. using epoxy ected by the Sqm on Concrete ck including of 2.5mm is l,uniform and
	reflective panels with micro prismatic lens in passive mode. The m kg tested in accordance to IRC 37 and shall be resistantto dust and (Ingress Protection 65 is a test which is conducted to check if sold dust Ingress and low pressure water jets from any direction) temperatures in the range of 0 C to 70 C. Color of lighting could be as per requirement and typical frequency of blinking is 1 Hz. The than 20 micro-amperes at 2.4 V in sleep-charging mode to enhard charge should provide for a minimum autonomy of 50 hours. T marker shall not be less than 10 mm x 100 mm x 100 mm. Also, shall not be less than 100 mm respectively. The weight of the mare Fixing will be by drilling holes on the road for the shanks to go instress neased adhesive as per manufacturer's recommendation engineer. Basic Rate Maintenance- 3rd year escalation of 12% Add 10% For area weightage (Mangalore City) Maintenance for 3rd Year: Road Marking with hot applied Thermoplastic Compound with Ref Surface:Providing and laying of hot applied thermoplastic correflectorising glass beads at 250 gms and 2 ltr of primer per exclusive of surface applied glass beads as per IRC:35. The finish free from streak and holes complete as per specifications.MORTH (Page No 192,SI No : 24.57) Basic Rate	narker sh nd water ar road s standar be provide re should nee the li he heigh the surfa ker shall side, with and con Rate lectrising compound sqm ar- ned surfa	all support a ingress accor stud is protect rds and should d be current lo fe of the mark t, width and lo ace diameter of not exceed 0. not ex	mination and load of20000 ding to IP 65 ed from total ild withstand ellow (amber) osses of less ker and a full length of the of the marker 5 Kilograms. Using epoxy ected by the Sqm on Concrete ck including of 2.5mm is l,uniform and

	Maintenance for 3rd Year:					
43	Operation and Maintenance for eToilets Stainless Steel Public Mo	del as sp	ecified in Road	and Other		
	works BOQ Item No.45.					
	Baisc rate		61200			
	Maintenance- 3rd year escalation of 12%		7344			
	Rate Approved as per EOI by MD MSCL Mangalore,Refer	_				
	Sr.No.1	Rate	68544	Nos.		
	Maintenance for 3rd Year:					
44	Providing and fixing of S.S. Bollards(SS304) on footpath as specific	ed and d	irected by Engi	neer -in-		
	charge					
	(NON SOR Item)		I			
	Rate Approved as per EOI by MD MSCL Mangalore,Refer					
	Sr.No.13		4500.00			
	Maintenance- 3rd year escalation of 12%		540			
		Rate	5040	Nos.		
	Maintenance for 3rd Year:					
45	Providing and fixing of railing as detail design in MS HOLLOW SEC		· · ·	•		
45	be approved), with vertical support of 0.9m @2.2mc/c , all comple	ete to the	satisfaction of t	he		
	Landscape architect.(Non SOR Item)					
	Rate Approved as per EOI by MD MSCL Mangalore, Refer					
	Sr.No.26		100000.00			
	Maintenance- 3rd year escalation of 12%		12000			
		Rate	112000	MT		
	Maintenance for 3rd Year:					
46	with lead upto 50 m and all lifts. For Desilting of drains and grit cha materials, scaffolding HOM of machineries with all lead and lifts, la implementation of Environmental and Social Safeguards & as per or specifications and directions of Engineer-in-charge.	bour cha	rges including			
	Basic Rate		179.00			
	Maintenance- 3rd year escalation of 12%		21.48			
		Rate	200.48	Nos.		
47	Maintenance for 3rd Year: Extra Lead for Disposing off unserviceable materials upto 10 Km beyond initial Lead Item No 17.4 KSRRB M100-4.1-Earth					
	Earth	2.0x1	.28x10km			
	Baisc rate	_	25.60			
	Add Loading and unloading charges(Item No 17.1 KSRRB M100-					
	1)		68.00			
	Sub Total-1	İ	93.60			
		İ				
	Add 10% For area weightage (Mangalore City)		9.36			
	Sub Total-2		102.96			
	Maintenance- 3rd year escalation of 12%		12.36			
		Rate	115.32	Cum		
		nate	113.32	Juin		
	Maintonon on fau 2nd Varm		I			
48	Maintenance for 3rd Year: Extra Lead for Disposing off unserviceable materials upto 10 Km b Item No 17.4 KSRRB M100-4.1-Debris	eyond ini	tial Lead			
	Debris	2.0x1	.30x10Km			
	Baisc rate		26.00			
	Add Loading and unloading charges(Item No 17.1 KSRRB M100-					
	1)		68.00			
			$ $ \top			
	Sub Total-1		94.00			

	Add 10% For area weightage (Mangalore City)		9.4	
	Sub Total-2		103.40	
	Maintenance- 3rd year escalation of 12%		12.41	
		Rate	115.81	Cum
	Lighting Poles			
	Maintenance for 3rd Year:			
49	Dismantling of pole/ street light standard/ strut embedded in cen	nent concret	е	
-3	foundation etc. as required			
	(Delhi analysis of rates E & M 2016, item 12.42, pg 395))			
	Rate Approved as per EOI by MD MSCL Mangalore,Refer		938	
	Sr.No.22 Maintenance- 3rd year escalation of 12%		112.56	
		Rate	1050.56	Nos.
		Nale	1030.30	1105.
	Maintenance for 3rd Year:			
	Lighting Pole, 7 m			
	Fabrication, suppl and erection of 7 meters long hot dip Galvanis	ed Octagon	al note with RS	SE 10025
	grade S 355 JO steel plate for shaft, IS 2062 for base plate with			
	suitable boards, bakelite sheet and MCBs as per IS specification		•	•
50				
50	for 5 m pole in single section and single joint welded as per IS 9			
	dimensions bottom 155 mm dia, top 70 mm with 3 mm thick, sui	•		
	J bolts along with template and the pole shall be hot dip galvaniz	-		
	65 micron as per ASTM - A123 and 153 etc., (excluding foundat	ion) as per c	drawing append	ded
	(Ref Electrical SOR SI No. 5.14.5)			
	Destaurate		40400	
	Basic rate		12420	
			4 4 0 0 4	
	Maintenance- 3rd year escalation of 12%	Data	1490.4	NI
	Operation & Maintenance for 3rd Year: Lighting Pole, 4 m Fabrication, supply and erection of 4 meters long hot dip Galvan		13,910.40	
51	Operation & Maintenance for 3rd Year: Lighting Pole, 4 m Fabrication, supply and erection of 4 meters long hot dip Galvan grade S 355 JO steel plate for shaft, IS 2062 for base plate with suitable boards, bakelite sheet and MCBs as per IS specification for 5 4 pole in single section and single joint welded as per IS 95 bottom 130 mm dia, top 70 mm with 3 mm thick, suitable base p with template and the pole shall be hot dip galvanized in single of per ASTM - A123 and 153 etc., (excluding foundation) as per dra	ised Octago door openin is suitable fo 95/IS 10178 late and 4 n lipping with r	13,910.40 Inal pole with B or wind speed of AWG having os. of long J bo not less than 65	SE 1002 t, icluding of 47 m/s dimensio olts along
51	Operation & Maintenance for 3rd Year: Lighting Pole, 4 m Fabrication, supply and erection of 4 meters long hot dip Galvan grade S 355 JO steel plate for shaft, IS 2062 for base plate with suitable boards, bakelite sheet and MCBs as per IS specification for 5 4 pole in single section and single joint welded as per IS 95 bottom 130 mm dia, top 70 mm with 3 mm thick, suitable base p with template and the pole shall be hot dip galvanized in single of	ised Octago door openin is suitable fo 95/IS 10178 late and 4 n lipping with r	13,910.40 Inal pole with B or wind speed of AWG having os. of long J bo not less than 65	SE 1002 t, icluding of 47 m/s dimensio olts along
51	Operation & Maintenance for 3rd Year: Lighting Pole, 4 m Fabrication, supply and erection of 4 meters long hot dip Galvan grade S 355 JO steel plate for shaft, IS 2062 for base plate with suitable boards, bakelite sheet and MCBs as per IS specification for 5 4 pole in single section and single joint welded as per IS 95 bottom 130 mm dia, top 70 mm with 3 mm thick, suitable base p with template and the pole shall be hot dip galvanized in single of per ASTM - A123 and 153 etc., (excluding foundation) as per dra (Ref Electrical SOR SI No.5.14.2)	ised Octago door openin is suitable fo 95/IS 10178 late and 4 n lipping with r	13,910.40 Inal pole with B or wind speed of AWG having os. of long J bo not less than 69 inded	SE 1002 t, icluding of 47 m/so dimensio olts along
51	Operation & Maintenance for 3rd Year: Lighting Pole, 4 m Fabrication, supply and erection of 4 meters long hot dip Galvan grade S 355 JO steel plate for shaft, IS 2062 for base plate with suitable boards, bakelite sheet and MCBs as per IS specification for 5 4 pole in single section and single joint welded as per IS 95 bottom 130 mm dia, top 70 mm with 3 mm thick, suitable base p with template and the pole shall be hot dip galvanized in single of per ASTM - A123 and 153 etc., (excluding foundation) as per dra	ised Octago door openin is suitable fo 95/IS 10178 late and 4 n lipping with r	13,910.40 Inal pole with B or wind speed of AWG having os. of long J bo not less than 65	SE 1002 t, icluding of 47 m/s dimensio olts along
51	Operation & Maintenance for 3rd Year: Lighting Pole, 4 m Fabrication, supply and erection of 4 meters long hot dip Galvan grade S 355 JO steel plate for shaft, IS 2062 for base plate with suitable boards, bakelite sheet and MCBs as per IS specificatior for 5 4 pole in single section and single joint welded as per IS 95 bottom 130 mm dia, top 70 mm with 3 mm thick, suitable base p with template and the pole shall be hot dip galvanized in single of per ASTM - A123 and 153 etc., (excluding foundation) as per dra (Ref Electrical SOR SI No.5.14.2) Basic rate	ised Octago door openin is suitable fo 95/IS 10178 late and 4 n lipping with r	13,910.40 In al pole with B ag arrangement or wind speed of AWG having os. of long J bo not less than 6 aded	SE 1002 t, icluding of 47 m/s dimensio olts along
51	Operation & Maintenance for 3rd Year: Lighting Pole, 4 m Fabrication, supply and erection of 4 meters long hot dip Galvan grade S 355 JO steel plate for shaft, IS 2062 for base plate with suitable boards, bakelite sheet and MCBs as per IS specificatior for 5 4 pole in single section and single joint welded as per IS 95 bottom 130 mm dia, top 70 mm with 3 mm thick, suitable base p with template and the pole shall be hot dip galvanized in single of per ASTM - A123 and 153 etc., (excluding foundation) as per dra (Ref Electrical SOR SI No.5.14.2) Basic rate	ised Octago door openin s suitable fo 95/IS 10178 late and 4 n lipping with r awing apper	13,910.40 In al pole with B ag arrangement or wind speed of AWG having os. of long J bo not less than 6 aded 7398 887.76	BSE 1002 t, icluding of 47 m/s dimensio olts along 5 micron
51	Operation & Maintenance for 3rd Year: Lighting Pole, 4 m Fabrication, supply and erection of 4 meters long hot dip Galvan grade S 355 JO steel plate for shaft, IS 2062 for base plate with suitable boards, bakelite sheet and MCBs as per IS specification for 5 4 pole in single section and single joint welded as per IS 95 bottom 130 mm dia, top 70 mm with 3 mm thick, suitable base p with template and the pole shall be hot dip galvanized in single or per ASTM - A123 and 153 etc., (excluding foundation) as per dra (Ref Electrical SOR SI No.5.14.2) Basic rate Maintenance for 3rd Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Double Cross arm - 1500 mm	ised Octago door openin s suitable fo 95/IS 10178 late and 4 n lipping with r awing apper	13,910.40 Inal pole with B ag arrangement or wind speed of AWG having os. of long J bo not less than 69 aded 7398 887.76 8,285.76	SSE 1002 t, icluding of 47 m/se dimensio olts along 5 micron 5 micron
	Operation & Maintenance for 3rd Year: Lighting Pole, 4 m Fabrication, supply and erection of 4 meters long hot dip Galvan grade S 355 JO steel plate for shaft, IS 2062 for base plate with suitable boards, bakelite sheet and MCBs as per IS specification for 5 4 pole in single section and single joint welded as per IS 95 bottom 130 mm dia, top 70 mm with 3 mm thick, suitable base p with template and the pole shall be hot dip galvanized in single or Per ASTM - A123 and 153 etc., (excluding foundation) as per dra (Ref Electrical SOR SI No.5.14.2) Basic rate Maintenance for 3rd Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Double Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.5)	ised Octago door openin s suitable fo 95/IS 10178 late and 4 n lipping with r awing apper	13,910.40 Inal pole with B ag arrangement or wind speed of AWG having os. of long J bo not less than 65 aded 7398 887.76 8,285.76	SSE 1002 t, icluding of 47 m/se dimensio olts along 5 micron 5 micron
	Operation & Maintenance for 3rd Year: Lighting Pole, 4 m Fabrication, supply and erection of 4 meters long hot dip Galvan grade S 355 JO steel plate for shaft, IS 2062 for base plate with suitable boards, bakelite sheet and MCBs as per IS specification for 5 4 pole in single section and single joint welded as per IS 95 bottom 130 mm dia, top 70 mm with 3 mm thick, suitable base p with template and the pole shall be hot dip galvanized in single or per ASTM - A123 and 153 etc., (excluding foundation) as per dra (Ref Electrical SOR SI No.5.14.2) Basic rate Maintenance for 3rd Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Double Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.5) Basic rate	ised Octago door openin s suitable fo 95/IS 10178 late and 4 n lipping with r awing apper	13,910.40 Inal pole with B or wind speed of AWG having os. of long J bo not less than 69 aded 7398 887.76 8,285.76 uminaries and p	SSE 1002 t, icluding of 47 m/se dimensio olts along 5 micron 5 micron
	Operation & Maintenance for 3rd Year: Lighting Pole, 4 m Fabrication, supply and erection of 4 meters long hot dip Galvan grade S 355 JO steel plate for shaft, IS 2062 for base plate with suitable boards, bakelite sheet and MCBs as per IS specification for 5 4 pole in single section and single joint welded as per IS 95 bottom 130 mm dia, top 70 mm with 3 mm thick, suitable base p with template and the pole shall be hot dip galvanized in single or Per ASTM - A123 and 153 etc., (excluding foundation) as per dra (Ref Electrical SOR SI No.5.14.2) Basic rate Maintenance for 3rd Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Double Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.5)	ised Octago door openin is suitable fo i95/IS 10178 late and 4 n lipping with r awing apper Rate or outdoor lu	13,910.40anal pole with Bag arrangementor wind speed ofAWG havingos. of long J bonot less than 65aded7398887.768,285.76uminaries and i3540424.8	SSE 1002 t, icluding of 47 m/s dimensio olts along 5 micron Nos. mounted
	Operation & Maintenance for 3rd Year: Lighting Pole, 4 m Fabrication, supply and erection of 4 meters long hot dip Galvan grade S 355 JO steel plate for shaft, IS 2062 for base plate with suitable boards, bakelite sheet and MCBs as per IS specification for 5 4 pole in single section and single joint welded as per IS 95 bottom 130 mm dia, top 70 mm with 3 mm thick, suitable base p with template and the pole shall be hot dip galvanized in single c per ASTM - A123 and 153 etc., (excluding foundation) as per dra (Ref Electrical SOR SI No.5.14.2) Basic rate Maintenance for 3rd Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for on Octagonal pole using necessary bolts, nuts, etc. complete Double Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.5) Basic rate Maintenance- 3rd year escalation of 12%	ised Octago door openin s suitable fo 95/IS 10178 late and 4 n lipping with r awing apper	13,910.40 Inal pole with B or wind speed of AWG having os. of long J bo not less than 69 aded 7398 887.76 8,285.76 uminaries and p	SSE 1002 t, icluding of 47 m/s dimensio olts along 5 micron 5 micron
	Operation & Maintenance for 3rd Year: Lighting Pole, 4 m Fabrication, supply and erection of 4 meters long hot dip Galvan grade S 355 JO steel plate for shaft, IS 2062 for base plate with suitable boards, bakelite sheet and MCBs as per IS specificatior for 5 4 pole in single section and single joint welded as per IS 95 bottom 130 mm dia, top 70 mm with 3 mm thick, suitable base p with template and the pole shall be hot dip galvanized in single c per ASTM - A123 and 153 etc., (excluding foundation) as per dra (Ref Electrical SOR SI No.5.14.2) Basic rate Maintenance for 3rd Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Double Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.5) Basic rate Maintenance- 3rd year escalation of 12%	ised Octago door openin s suitable fo 95/IS 10178 late and 4 n lipping with r awing apper Rate or outdoor lu	13,910.40anal pole with Bag arrangementor wind speed ofAWG havingos. of long J bonot less than 65aded7398887.768,285.76uminaries and p3540424.83,964.80	SSE 1002 t, icluding of 47 m/s dimensio olts along 5 micron Nos. mounted
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52	Operation & Maintenance for 3rd Year: Lighting Pole, 4 m Fabrication, supply and erection of 4 meters long hot dip Galvan grade S 355 JO steel plate for shaft, IS 2062 for base plate with suitable boards, bakelite sheet and MCBs as per IS specification for 5 4 pole in single section and single joint welded as per IS 95 bottom 130 mm dia, top 70 mm with 3 mm thick, suitable base p with template and the pole shall be hot dip galvanized in single or per ASTM - A123 and 153 etc., (excluding foundation) as per dra (Ref Electrical SOR SI No.5.14.2) Basic rate Maintenance for 3rd Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Double Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.5) Basic rate Maintenance- 3rd year escalation of 12% Operation & Maintenance for 3rd Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Double Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.5) Basic rate Maintenance - 3rd year escalation of 12% Operation & Maintenance for 3rd Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Single Cross arm - 1500 mm	ised Octago door openin s suitable fo 95/IS 10178 late and 4 n lipping with r awing apper Rate or outdoor lu	13,910.40anal pole with Bag arrangementor wind speed ofAWG havingos. of long J bonot less than 65aded7398887.768,285.76uminaries and p3540424.83,964.80	SE 1002 t, icluding of 47 m/s dimensio olts along 5 micron Nos. mounted
52	Operation & Maintenance for 3rd Year: Lighting Pole, 4 m Fabrication, supply and erection of 4 meters long hot dip Galvan grade S 355 JO steel plate for shaft, IS 2062 for base plate with suitable boards, bakelite sheet and MCBs as per IS specificatior for 5 4 pole in single section and single joint welded as per IS 95 bottom 130 mm dia, top 70 mm with 3 mm thick, suitable base p with template and the pole shall be hot dip galvanized in single or per ASTM - A123 and 153 etc., (excluding foundation) as per dra (Ref Electrical SOR SI No.5.14.2) Basic rate Maintenance for 3rd Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Double Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.5) Basic rate Maintenance- 3rd year escalation of 12% Operation & Maintenance for 3rd Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Double Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.5) Basic rate Maintenance for 3rd Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Double Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.2)	ised Octago door openin s suitable fo 95/IS 10178 late and 4 n lipping with r awing apper Rate or outdoor lu	13,910.40anal pole with Bag arrangementor wind speed ofAWG havingos. of long J bonot less than 65aded7398887.768,285.76uminaries and i3540424.83,964.80uminaries and i	SSE 1002 t, icluding of 47 m/s dimensio olts along 5 micron Nos. mounted
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	Maintenance for 3rd Year:			<u>.</u>
54	Painting of Existing street light pole after scrapping the old paint ar	•	with suitable	colour
04	enamel including coping/footing of the pole8mtr and above street	light pole		
	(Ref Electrical SOR SI No.16.28.3)			
	Basic rate		620	
	Maintenance- 3rd year escalation of 12%		74.4	
		Rate	694	Nos.
	Oudoor Box and Switch Gear	Trate		1103.
	Maintenance for 3rd Year:			
		h f		
55	Supply, installation, testing and commissioning of outdoor junction	DOX TOF MO		Contactor
	with all required accessories and componenets	· · · · · · · · · · · · · · · · · · ·		
	Price list (Considering 30% discount , 18% GST & 10% profit)		11783	
			11100	
	Maintenance- 3rd year escalation of 12%		1413.96	
		Rate	13,197	Nos.
	Maintenance for 3rd Year:			
	Supply and fixing of miniature circuit breaker on exisiting board usi	na necessa	asarv fixing r	naterial an
		-	• •	
56	'C' type curve, indicator ON/OFF, energy cross-3 with short circuit	breaking ca	apacity of TO	r n n
	complete wiring as required confirming to IEC 60898			
	5- 32A TPN			
	Electrical SOR- 6.16.5)			
	Basic rate		1547	
	Maintenance- 3rd year escalation of 12%		185.64	
		Rate	1,733	Nos.
	LT Cable			
	Maintenance for 3rd Year:			
57	Supplying of 1.1 kV LT cable having aluminium conductor PVC ins galvanised, steel strips (except 2C x 10 sq. mm wire armoured) as PVC outer sheathed armoured cable as per IS - 1554 Part 1:1988 4 Core x16 Sq.mm PVC Aluminium Conductor,	per IS-397	5:1990 and	extruded
57	galvanised, steel strips (except 2C x 10 sq. mm wire armoured) as PVC outer sheathed armoured cable as per IS - 1554 Part 1:1988	per IS-397	5:1990 and	extruded
57	galvanised, steel strips (except 2C x 10 sq. mm wire armoured) as PVC outer sheathed armoured cable as per IS - 1554 Part 1:1988 4 Core x16 Sq.mm PVC Aluminium Conductor, (Ref Electrical SOR SI No.7.5,7.5.4)	per IS-397	5:1990 and ng to GTP c	extruded
57	galvanised, steel strips (except 2C x 10 sq. mm wire armoured) as PVC outer sheathed armoured cable as per IS - 1554 Part 1:1988 4 Core x16 Sq.mm PVC Aluminium Conductor, (Ref Electrical SOR SI No.7.5,7.5.4) Basic rate	per IS-397	5:1990 and ng to GTP c	extruded
57	galvanised, steel strips (except 2C x 10 sq. mm wire armoured) as PVC outer sheathed armoured cable as per IS - 1554 Part 1:1988 4 Core x16 Sq.mm PVC Aluminium Conductor, (Ref Electrical SOR SI No.7.5,7.5.4)	per IS-397 & conformi	5:1990 and ng to GTP c 117 14.04	extruded f GROUP
57	galvanised, steel strips (except 2C x 10 sq. mm wire armoured) as PVC outer sheathed armoured cable as per IS - 1554 Part 1:1988 4 Core x16 Sq.mm PVC Aluminium Conductor, (Ref Electrical SOR SI No.7.5,7.5.4) Basic rate Maintenance- 3rd year escalation of 12%	per IS-397	5:1990 and ng to GTP c	extruded
57	galvanised, steel strips (except 2C x 10 sq. mm wire armoured) as PVC outer sheathed armoured cable as per IS - 1554 Part 1:1988 4 Core x16 Sq.mm PVC Aluminium Conductor, (Ref Electrical SOR SI No.7.5,7.5.4) Basic rate Maintenance- 3rd year escalation of 12% Maintenance for 3rd Year:	per IS-397 & conformi Rate	5:1990 and ng to GTP c <u>117</u> <u>14.04</u> 131.04	extruded f GROUP
57	galvanised, steel strips (except 2C x 10 sq. mm wire armoured) as PVC outer sheathed armoured cable as per IS - 1554 Part 1:1988 4 Core x16 Sq.mm PVC Aluminium Conductor, (Ref Electrical SOR SI No.7.5,7.5.4) Basic rate Maintenance- 3rd year escalation of 12% Maintenance for 3rd Year: Supply and drawing flexible multicore cable with electrolyte grade f	per IS-397 & conformi Rate	5:1990 and ng to GTP c 117 14.04 131.04 per with low	extruded f GROUP Rm conductor
57	galvanised, steel strips (except 2C x 10 sq. mm wire armoured) as PVC outer sheathed armoured cable as per IS - 1554 Part 1:1988 4 Core x16 Sq.mm PVC Aluminium Conductor, (Ref Electrical SOR SI No.7.5,7.5.4) Basic rate Maintenance- 3rd year escalation of 12% Maintenance for 3rd Year: Supply and drawing flexible multicore cable with electrolyte grade f conforming to Table 3 Class 5 of IS:8130-1984 and vargin PVC ins	per IS-397 & conformi Rate lexible copp sulation and	5:1990 and ng to GTP c 117 14.04 131.04 per with low sheathed s	extruded f GROUP Rm conductor
	galvanised, steel strips (except 2C x 10 sq. mm wire armoured) as PVC outer sheathed armoured cable as per IS - 1554 Part 1:1988 4 Core x16 Sq.mm PVC Aluminium Conductor, (Ref Electrical SOR SI No.7.5,7.5.4) Basic rate Maintenance- 3rd year escalation of 12% Maintenance for 3rd Year: Supply and drawing flexible multicore cable with electrolyte grade f conforming to Table 3 Class 5 of IS:8130-1984 and vargin PVC ins working voltage up to 1100 V as per IS-694:1990 and conforming to	per IS-397 & conformi Rate lexible copp sulation and	5:1990 and ng to GTP c 117 14.04 131.04 per with low sheathed s	extruded f GROUP Rm conductor
	galvanised, steel strips (except 2C x 10 sq. mm wire armoured) as PVC outer sheathed armoured cable as per IS - 1554 Part 1:1988 4 Core x16 Sq.mm PVC Aluminium Conductor, (Ref Electrical SOR SI No.7.5,7.5.4) Basic rate Maintenance- 3rd year escalation of 12% Maintenance for 3rd Year: Supply and drawing flexible multicore cable with electrolyte grade f conforming to Table 3 Class 5 of IS:8130-1984 and vargin PVC ins	per IS-397 & conformi Rate lexible copp sulation and	5:1990 and ng to GTP c 117 14.04 131.04 per with low sheathed s	extruded f GROUP Rm conductor
	galvanised, steel strips (except 2C x 10 sq. mm wire armoured) as PVC outer sheathed armoured cable as per IS - 1554 Part 1:1988 4 Core x16 Sq.mm PVC Aluminium Conductor, (Ref Electrical SOR SI No.7.5,7.5.4) Basic rate Maintenance- 3rd year escalation of 12% Maintenance for 3rd Year: Supply and drawing flexible multicore cable with electrolyte grade f conforming to Table 3 Class 5 of IS:8130-1984 and vargin PVC ins working voltage up to 1100 V as per IS-694:1990 and conforming to 3C x 2.5 sq. mm (Ref. Electrical SOR 2.8.8)	per IS-397 & conformi Rate lexible copp sulation and	5:1990 and ng to GTP c 117 14.04 131.04 Der with low d sheathed s Group A.	extruded f GROUP Rm conductor
	galvanised, steel strips (except 2C x 10 sq. mm wire armoured) as PVC outer sheathed armoured cable as per IS - 1554 Part 1:1988 4 Core x16 Sq.mm PVC Aluminium Conductor, (Ref Electrical SOR SI No.7.5,7.5.4) Basic rate Maintenance- 3rd year escalation of 12% Maintenance for 3rd Year: Supply and drawing flexible multicore cable with electrolyte grade f conforming to Table 3 Class 5 of IS:8130-1984 and vargin PVC ins working voltage up to 1100 V as per IS-694:1990 and conforming to 3C x 2.5 sq. mm (Ref. Electrical SOR 2.8.8) Basic rate	per IS-397 & conformi Rate lexible copp sulation and	5:1990 and ng to GTP o <u>117</u> 14.04 131.04 Der with low d sheathed s Group A. 81.6	extruded f GROUP Rm conductor
	galvanised, steel strips (except 2C x 10 sq. mm wire armoured) as PVC outer sheathed armoured cable as per IS - 1554 Part 1:1988 4 Core x16 Sq.mm PVC Aluminium Conductor, (Ref Electrical SOR SI No.7.5,7.5.4) Basic rate Maintenance- 3rd year escalation of 12% Maintenance for 3rd Year: Supply and drawing flexible multicore cable with electrolyte grade f conforming to Table 3 Class 5 of IS:8130-1984 and vargin PVC ins working voltage up to 1100 V as per IS-694:1990 and conforming to 3C x 2.5 sq. mm (Ref. Electrical SOR 2.8.8)	per IS-397 & conformi Rate lexible copp sulation and o GTP of (5:1990 and ng to GTP c 117 14.04 131.04 per with low d sheathed s Group A. 81.6 9.79	extruded f GROUP Rm conductor suitable for
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58	galvanised, steel strips (except 2C x 10 sq. mm wire armoured) as PVC outer sheathed armoured cable as per IS - 1554 Part 1:1988 4 Core x16 Sq.mm PVC Aluminium Conductor, (Ref Electrical SOR SI No.7.5,7.5.4) Basic rate Maintenance- 3rd year escalation of 12% Maintenance for 3rd Year: Supply and drawing flexible multicore cable with electrolyte grade f conforming to Table 3 Class 5 of IS:8130-1984 and vargin PVC ins working voltage up to 1100 V as per IS-694:1990 and conforming to 3C x 2.5 sq. mm (Ref. Electrical SOR 2.8.8) Basic rate Maintenance- 3rd year escalation of 12% Maintenance for 3rd Year: Supplying tinned copper lugs and crimping and wiring to terminal p 16 Sq.mm PVC Aluminium Conductor (Ref Electrical SOR SI No.7.21,7.21.6) Basic rate Maintenance- 3rd year escalation of 12% Maintenance- 3rd year escalation of 12%	per IS-397 & conformi Rate Rate sulation and o GTP of 0 Rate oint for wire Rate	5:1990 and ng to GTP o 117 14.04 131.04 Der with low d sheathed s Group A. 81.6 9.79 91.39 91.39 e of following 11.31 1.36 12.67	extruded of GROUP Rm conductor suitable for witable for g sizes
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		Rate	3.49	Nos.
	Maintenance for 3rd Year:			
61	Chemical Earthing for grounding,conduits,IC cut outs and othered copper /SS rod with earth enhancing backfill compound which is ,thermally,conductive,potential,to permissible,limits,superior,fault,	non corrosiv	e	rdby using
01	toxic,weather resistance and capable of achieving ohmic value less than one ohm		apacity, non	
	(Ref Electrical SOR Pg.No.64,SI No.7.23.6) Basic rate		5500	
	Maintenance- 3rd year escalation of 12%		660	
		Rate	6160	Kit
	Maintenance for 3rd Year:			
62	Supply and running GI conductor for grounding and (along with of wiring) using necessasary suitable size clamps, nails, guttas/space (Ref Electrical SOR SI No.7.22.3)		•	em of
	Basic rate		19.5	
	Maintenance- 3rd year escalation of 12%		2.34	
		Rate	21.84	Rmt
	Maintenance for 3rd Year:			
63	Supplying and stacking of good earth at site including royalty and (earth measured in stacks will be reduced by 20% for payment). (Non SOR Item)	d carriage up	oto 5 k.m. lea	d complet
	Rate Approved as per EOI by MD MSCL Mangalore,Refer Sr.No.27		140.00	
	Maintenance- 3rd year escalation of 12%	- Data	16.8	•
		Rate	156.80	Cum
64	Maintenance for 3rd Year: KSRRB M300-Supply at site of work well decayed farm yard mar of work well decayed farm yard manure, from any available s charge including screening and stackin complete as per speci 308.2(Page No.152,SI.No.19.90)	nure KSRRB ource, appro	M300-11. Su oved by the o ORTH Specif	ipply at sit
64	KSRRB M300-Supply at site of work well decayed farm yard mar of work well decayed farm yard manure, from any available s charge including screening and stackin complete as per speci 308.2(Page No.152,SI.No.19.90) Basic rate	nure KSRRB ource, appro	M300-11. Su oved by the o ORTH Specif 204	ipply at sit
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70	days,consider watering at every 3 days) Mazdoor = 0.5 days x 258.88 Add 10% For area wightage Maintenance- 3rd year escalation of 12% Maintenance for 3rd Year: supply and fixing of irrigation lines such that all the green areas at means of drip irrigation for trees , sub surface for shrubs and law sprinklers for lawn areas. (Equipment make - Rainbird or equivale All material used should be comply to BSI code. All the nece complete commissioning to be installed. (Non SOR Item) Rate Approved as per EOI by MD MSCL Mangalore,Refer	/n areas / g ent)	ground covers	Year y watered; s and pop		
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	days,consider watering at every 3 days) Mazdoor = 0.5 days x 258.88		11908.48			
		1				
	61rs/hr (365days-90 days of mansoon=275 days/3 days=92			1		
	Water Tanker =61 Rs/ Hour, One Year Cost=92 days x 3 hrs x		16836			
09	Watering with tanker to landscape area and plants for one year					
69	Maintenance for 3rd Year:					
	IRRIGATION			·		
				39.11		
		Rate	175.62			
	Maintenance- 3rd year escalation of 12%		18.82			
	Rate Approved as per EOI by MD MSCL Mangalore,Refer Sr.No.32		156.80			
		1 [
00	(Non SOR Item)					
68	ZOYSIA JAPONICA (MAT)					
		Rate	129.20	Sqm		
	Add 12% For area wightage	.				
	Basic rate		103			
		arge.				
			eguards & as	s per desig		
67	etc complete including cost of all materials, scaffolding HOM of					
	Maintenance- 3rd year escalation of 12% Add 12% For area wightage TURF Maintenance for 3rd Year:		-			

Assistant Executive Engineer MSCL Mangaluru

Executive Engineer MSCL Mangaluru

Name of the Work :- Mangalore Smart City 8.1 Abstract for Maintenance of Road and Other Work for DPR 7 - 4th Year

	8.1 Abstract for Maintenance of Road and Other Work for DPR 7 - 4th Year						
	Specification	Unit	Total Qty.	Rate	Amount		
	Civil Works						
1.00	Maintenance for 4th Year: Taking out existing CC interlocking paver blocks from footpath/ central verge, including removal of rubbish etc., disposal of unserviceable material to the dumping ground, for which payment shall be made separately and stacking of serviceable material within 50 metre lead as per direction of Engineer-in-Charge.(RA attached)		14.00	79.07	1107		
2.00	Maintenance for 4th Year: KSRRB M200.Dismantling of cement concrete pavement by mechanical means using pueumatic tools,breaking to pieces not exceeding 0.02 cum in volume and stock pilling at designated locations and disposal of dismantled material stacking serviceble and unserviceable materials separately complete as per specifications.MORTH specification No.202.(Including transporting charges,loading and unloading for lead 5km-Extra) (Page No 138,SI No : 18.47)	Cum	0.30	1147.12	,344		
3.00	Maintenance for 4th Year: KSRRB M200-Dismantaling of kerb Stone and Channel KSRRB M200-26. Dismantling Kerb stone by Manual means and disposal of dismantled materials with all lifts and complete as per specifications.MORTH Specification No.202. (Page No.139,S.I.No.18.49)	Rmt	20.00	15.31	306		
4.00	Maintenance for 4th Year: KSRRB M200-13.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. II. By Mechanical Means. A. Cement Concrete Grade M-15 &M-20. MORTH Specification No. 202 (KPWD SOR 16-17,18.20,Page No.137)		20.00	497.64	9,953		
5.00	Maintenance for 4th Year: KSRRB M200-12.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonary, cement concrete, woodwork, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. i)Dismantaling Brick/Tile work B.In Cement mortar (Page No 137,SI No : 18.23)		0.23	447.88	103		
6.00	Operation & Maintenance for 4th Year: KSRRB M300-14. Excavation for roadwork in all types of soil with hydraulic excavator of 0.9 bucket capacity including cutting and loading in tippers,trimming bottom and side slopes,in accordance with requirements of lines and grades and cross sections,and transporting disposal location up to a lead of 1.00Km and complete as per specifications. MORTH specification No.301(Including transporting charges, loading and unloading for lead 5km) (Page No 143,SI No : 19.14)	Cum	250.00	52.32	13,080		
7.00	Maintenance for 4th Year: 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.(KPWD 16-17,SI No.2.11,Pg. No.6)	C	75.00	153.12	11,484		
8.00	Maintenance for 4th Year: KSRRB 300-Compaction KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3.(KPWD 16-17,SI No.19.64,Pg. No.149)	Sam	500.00	7.66	3,830		
9.00	Maintenance for 4th Year: KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix M15 Grade with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No. 4.6 of PWD SR 2015-16)	Cum	7.50	7528.40	56,463		
	Page 224						

	Specification	Unit	Total Qty.	Rate	Amount
10.00	Maintenance for 4th Year: KSRRB M400-6.1. Construction of granular sub-base by providing close graded crushed stone aggregates of granite / trap / basalt material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with Plate compactor to achieve the desired density, complete as per specifications. A. Plant Mix Method Close graded granular sub-base material as per 400-1 For Grading- II Material	Cum	37.50	2763.82	103,643
11.00	Maintenance for 4th Year: KSRB 4.2.1 : Providing and laying in position reiforcement cement concrete of design Mix M25 with OPC cement @340Kgs,with 20mm and down size graded granite metal coarse aggregate @ 0.47 cum with super plasticisers @3 liters confirming to IS 9103-1999 reafirmed -2008 at machine mixed,concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls,return walls,walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks,anchor blocks & plinths etc.,Including cost of labour,HOM of machinery,curing,complete but excluding cost of reinforcement as per specifications. (Page No 13,SI No : 4.10)	Cum	48.00	7908.65	3,79,615
12.00	Maintenance for 4th Year: KSRB 4.6.1 Providing and removing centering, shuttering, strutting, propping etc.,and removal of formwork for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No. KSB 4.6.2 (Page No 15, SI No : 4.28)		360.00	335.59	1,20,812
13.00	Maintenance for 4th Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work including straighting,cutting,bending,hooking,placing in position,lapping and/or welding wherever required,tying with binding wire and anchoring to thr adjoing members wherever necessary complete as per design (laps,hooks and wastage shall not be measured and paid) cost of materials,labour,HOM of machinary complete as per specifications.Specification No. KBS4.6.3. do with TMT bars Fe500	MT	3.84	90317.83	3,46,820
14.00	Maintenance for 4th Year: KSRRB M300-Construction of Subgrade. KSRRB M300-55. Construction of sub-grade with approved material Gravel/Murrum with all lifts & leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of Table No. 300-2 complete as per specifications (including cost of earth, watering charges & compaction by vibratory rollercompaction by vibratory roller to 97% of proctors density) MORTH Specification No. 305	Cum	61.25	710.91	43,543
15.00	Maintenance for 4th Year: KSRRB M600-1.Construction of dry lean cement concrete mix M15 with 1:5:10 OPC cement @160Kgs,with 25mm and down size graded granite/trap/basalt metal coarse aggregate at 0.86cum and fine aggregate @ 0.58cum Sub-base over prepared sub grade with (coarse and fine aggregate confirming to IS:383) aggregate cement ration not to excee 15:1. Aggregate gradation after blending to be as per Table 600-1, cement content to be determined during trail length construction, concrete strength not to be less than 10Mpa at 7 days,mixed in a batching plant,transported to site,laid with a paver with electronic sensor,compacting with 8-10 tonnes double drum vibratory roller,finishing and curing complete as per specifications.Morth specification No.601 (Page No 176,SI No : 22.1)	Cum	12.25	5165.25	63,274
16.00	Maintenance for 4th Year: KSRRB M600-1.Construction of dry lean cement concrete mix M15 with 1:5:10 OPC cement @160Kgs,with 25mm and down size graded granite/trap/basalt metal coarse aggregate at 0.86cum and fine aggregate @ 0.58cum Sub-base over prepared sub grade with (coarse and fine aggregate confirming to IS:383) aggregate cement ration not to excee 15:1. Aggregate gradation after blending to be as per Table 600-1, cement content to be determined during trail length construction, concrete strength not to be less than 10Mpa at 7 days,mixed in a batching plant,transported to site,Manually laid and compacting with palte compactor,finishing and curing complete as per specifications.Morth specification No.601 (RA attached)	Cum	20.00	4695.68	93,914

	Specification	Unit	Total Qty.	Rate	Amount
17.00	Maintenance for 4th Year: KSSRRB M600-2.Construction of unreinforced,dowel jointed,plain cement concrete pavement over a prepared sub base with 25mm and down size graded granite metal coarse aggregate with superplastisizer at 3 lts confirming to IS9103. 1999 reaffirmed 2008(Coarse and fine aggregate conforming to IS:383) mixed in a batching and mixing plant as per approved mix design,transported to site,laid with a fixed form paver spread,compacted and finished in a continuos operation including provision of contraction, expansio, construction and longitudinal joints,including groove cutting chrges, joints filler,separation memberane, sealent primer, joints sealant, debonding strip, dowel bars at 4.5m intervals, tie rod, admixtures as approved, curing compound,finishing to lines and grades as per drawing complete as per sprcifications MORTH specification No.602.do with M40 (420Kg per cum Cement,C.A,0.67 cum F.A.044Cum (Page No 176,SI No : 22.2.2)		28.18	7489.89	2,11,065
18.00	Maintenance for 4th Year: Providing and placing joint sealant compound of cold polysulphide in the grooves after widening the groove to required width, sand blasting the groove face if recommended by the sealant manufacturer, cleaning the groove with air compressor, insertion of debonding strip, priming the sides of the sealant if the sealant manufacturer recommends and pouring the sealant all complete including material, manpower (Non SOR Item)		650.00	133.40	86,710
	Maintenance for 4th Year: KSRRB 3000 Repair of Joint Grooves with Epoxy Mortar KSRRB M3000-8 Repairs of spalled joints grooves of contraction joints longitudinal joints and expansion joints in concrete pavement using epoxy mortar concrete complete as per specifications.Morth specification No.3005.1 (Page No 257,SI No : 35.8)		650.00	422.36	2,74,534
	Maintenance for 4th Year: Providing and laying at or near ground level factory made kerb stone of M-20 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).		0.10	22596.45	2,260
21.00	(RA Attached) Maintenance for 4th Year: Providin and fixing pre cast solid concrete Kerb stones as per the drawing,made out of CC 1:2:4 and Jointed with CM 1:3 and finishing cutting, including cost of all materials,labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc.,complete (Page No 25,SI No : 5.3)		2.79	20113.71	56,117
22.00	Maintenance for 4th Year: Providin and fixing pre cast solid concrete water table(longitudinal gutter) as per the drawing,made out of CC 1:2:4 and jointed with CM 1:3 and finishing cutting, including cost of all materials,labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc.,complete (Page No 25,SI No : 5.3)		1.18	20113.71	23,734
23.00	Maintenance for 4th Year: Removing and resetting of kerb stones. including cost of all materials, scaffolding HOM of machineries with all lead and lifts, labour charges including implementation of Environmental and Social Safeguards & as per design, drawing, technical specifications and directions of Engineer-in-charge.	Rmt	100.00	30.62	3,062
24.00	Maintenance for 4th Year: KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 (Page No 182,SI No : 24.1)	Sqm	82.50	102.08	8,422
25.00	Maintenance for 3rd Year: P/F FRP Recess Cover (2.5T) 900mmx600 mm with frame on Manhole for electrical ducting.	Nos.	5.00	9493.85	47,469

	Specification	Unit	Total Qty.	Rate	Amount
26.00	Maintenance for 3rd Year: P/F FRP Recess Cover (2.5T) 600mmx450 mm with frame at raised footpath on SWD. (Rate analysis attached)	Nos.	5.00	6331.88	31,659
27.00	Maintenance for 3rd Year: P/F FRP Water gully cover with frame (25T) 600mmx500 mm at level footpath. (Rate analysis attached)	Nos.	5.00	6978.64	34,893
28.00	Maintenance for 4th Year: Providing gully pipe lowering, laying of PVC 100 mm dia pipes to the required alignments including specials and grade as indicated in drawings/design and hydraulically testing of the pipe line. The rate shall include all jointing materials, testing apparatus and water for testi g etc as directed by the Engineer in charge (page No.41, Item No.7, KUWSDB SOR 2016-17)	Rmt	20.00	349.22	6,984
29.00	Maintenance for 4th Year: KSRB 11-18-17.1 : 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. (PWD SR 2015-16,P.No.86, SI.No.12.89)		20.00	1059.08	21,182
30.00	Maintenance for 4th Year: KSRRB M800-29.3.Cable Duct Across the road KSRRB M800-29.1. Providing and laying of a reinforced cement concrete pipe duct, 300 mm dia, across the road (new construction), extending from drain to drain in cuts and toe of slope to toe of slope in fills, constructing head walls at both ends, providing a minimum fill of granular material over top and sides of RCC pipe as per IRC:98-1997, bedded on a 0.3 m thick layer of granular material free of rock pieces, outer to outer distance of pipe at least half dia of pipe subject to minimum450 mm in case of double and triple row ducts, joints to be made leak proof, invert level of duct to be above higher than ground level to prevent entry of water and dirt, all as per IRC: 98 - 1997 and approved drawings complete as per specifications. Case-III :Triple row for three utility services. (PWD SR 2015-16,SI.No.24.36)	Rmt	20.00	6408.07	1,28,161
31.00	Maintenance for 4th Year: Providing and laying Dia 225 mm HDPE Electrical pipe Conduits with Silicore Lubricant inner layer with ribs, dimensional ratio of 13.5,Deflection not greater than 5% when exposed to the normal operating temparature 90°C under the over burden soil presuure and other physical properties comforming to ASTMF 2160 and /or NEMA TC7.The expected service life of HDPE pipe conduits and accessories shall not be less than 50 years. (Market Rate)	Rmt	150.00	2287.29	3,43,094
32.00	Maintenance for 4th Year: Providing and laying Dia 160mm HDPE Electrical pipe Conduits with Silicore Lubricant inner layer with ribs, dimensional ratio of 13.5,Deflection not greater than 5% when exposed to the normal operating temparature 90°C under the over burden soil presuure and other physical properties comforming to ASTMF 2160 and /or NEMA TC7.The expected service life of HDPE pipe conduits and accessories shall not be less than 50 years.(Market Rate)	Rmt	100.00	1239.92	1,23,992
33.00	Maintenance for 4thYear: Providing and Fixixng Spacers for Power Ducts of size 225 mm, to be placed at an interval of 1.5 meter. Spacers shall be made of ABS raw material. (Market rate)	Nos.	20.00	1163.48	23,270
34.00	Maintenance for 4th Year: Providing and Fixixng Spacers for Power Ducts of size 160 mm, to be placed at an interval of 1.5 meter. Spacers shall be made of ABS raw material. (Market rate)	Nos.	20.00	2258.52	45,170
35.00	Maintenance for 4th Year: Supplying 7-way 40mm HDPE pipe Multi-way Duct Silicore Lubricant inner layer for ICT fibre cables comforming to ASTMF 2160 and /or equivalent indian standard and conveying to work site including loading and unloading at both destination and rolling,lowering into trenches,laying true to line and jointing of pipe etc.Complete. (Market Rate)	Rmt	40.00	697.51	27,900

	Specification	Unit	Total Qty.	Rate	Amount
36.00	Maintenance for 4th Year: Supplying and Application charges required for stamping the freshly laid new concrete (Concrete rate is not included in this item) including finishing and colouring the top surface accurately to the required level, shape and size using approved colour shade and staping it using approved stamp pattern and antiquitting it on top with approved colour.Sealing entire area with concrete sealer.	Sqm	200.00	796.22	1,59,244
37.00	Maintenance for 4th Year: Providing and laying heavy duty cobble stones 75mm thick, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 30mm 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. (Page No 101,SI No : 14.7)		75.00	1421.46	106,610
38.00	Maintenance for 4th Year: KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications MORTH Specification No. 507 - using 100/120 TPH capacity H.M.P. with sensor paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen(KPWD 16-17,S.I.No.21.17.1,Page No.163)		6.00	10002.56	60,015
39.00	Maintenance for 4th Year: KSRRB M500-19. Providing and laying bituminous concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications. MORTH Specification No. 509 - using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 45 mm) with 6 % VG-40 Bitumen		1.60	11179.04	17,886
40.00	Maintenance for 4th Year: KSRRB M800 Road markers / Road stud KSRRB M800-35. Providing and fixing of road stud 100x 100 mm, diecast in aluminium, resistant to corrosive effect of salt and grit, fitted with lense reflectors, installed in concrete or asphaltic surface by drilling hole 30 mm upto a depth of 60 mm and bedded in a suitable bituminous grout or epoxy mortar, all as per BS: 873 part 4:1973 complete as per specifications	Nos.	50.00	335.24	16,762
41.00	Maintenance for 4th Year: Supply & Installation of Solar Raised Pavement Markers made of polycarbonate molded body with circular shape, solar powered, LED self illumination in active mode, 360 degree illumination and reflective panels with micro prismatic lens in passive mode. The marker shall support a load of20000 kg tested in accordance to IRC 37 and shall be resistantto dust and water ingress according to IP 65 (Ingress Protection 65 is a test which is conducted to check if solar road stud is protected from total dust Ingress and low pressure water jets from any direction) standards and should withstand temperatures in the range of 0 C to 70 C. Color of lighting could be provided in red or yellow (amber) as per requirement and typical frequency of blinking is 1 Hz. There should be current losses of less than 20 micro-amperes at 2.4 V in sleep-charging mode to enhance the life of the marker and a full charge should provide for a minimum autonomy of 50 hours. The height, width and length of the marker shall not be less than 100 mm x 100 mm. Also, the surface diameter of the marker shall not be less than 100 mm respectively. The weight of the marker shall not exceed 0.5 Kilograms. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation and complete as directed by the engineer.	Nos.	20.00	3778.24	75,565

	Specification	Unit	Total Qty.	Rate	Amount
42.00	Maintenance for4th Year: Road Marking with hot applied Thermoplastic Compound with Reflectrising Glass Beads on Concrete Surface:Providing and laying of hot applied thermoplastic compound 2.5mm thick including reflectorising glass beads at 250 gms and 2 ltr of primer per sqm area,thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35.The finished surface to be level,uniform and free from streak and holes complete as per specifications.MORTH specification No.803 (Page No 192,SI No : 24.57)	Sqm	600.00	547.40	3,28,440
43.00	Maintenance for 4th Year: Operation and Maintenance for eToilets Stainless Steel Public Model as specified in Road and Other works BOQ Item No.45.	Nos	4.00	70992.00	2,83,968
44.00	Maintenance for 4th Year: Providing and fixing of S.S. Bollards(SS304) on footpath as specified and directed by Engineer -in-charge (NON SOR Item)	Nos.	2.00	5220.00	10,440
45.00	Maintenance for 4th Year: Providing and fixing of railing as detail design in MS HOLLOW SECTION and bars (shop drawing to be approved), with vertical support of 0.9m @2.2mc/c, all complete to the satisfaction of the Landscape architect.(Non SOR Item)	МТ	0.10	116000.00	11,600
46.00	Maintenance for 4th Year: Excavation and removal of silt and silt mixed with sand in slussy condition from canal bed including disposing off the same in spoil bank or on the canal embankment in layers as directed etc., complete with lead upto 50 m and all lifts. For Desilting of drains and grit chambers including cost of all materials, scaffolding HOM of machineries with all lead and lifts, labour charges including implementation of Environmental and Social Safeguards & as per design, drawing, technical specifications and directions of Engineer-in-charge.	Cum	1015.00	207.64	2,10,755
47.00	Maintenance for 4th Year: Extra Lead for Disposing off unserviceable materials upto 10 Km beyond initial Lead Item No 17.4 KSRRB M100-4.1-Earth	Cum	200.00	119.43	23,886
48.00	Maintenance for 4th Year: Extra Lead for Disposing off unserviceable materials upto 10 Km beyond initial Lead Item No 17.4 KSRRB M100-4.1-Debris	Cum	70.00	119.94	8,396
	Electrical Works				
49.00	Maintenance for 4th Year: Dismantling of pole/ street light standard/ strut embedded in cement concrete foundation etc. as required (Delhi analysis of rates E & M 2016, item 12.42, pg 395))	Nos.	1.00	1088.08	1,088
50.00	Maintenance for 4th Year: 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)	Nos.	1.00	14407.20	14,407
51.00	Operation & Maintenance for 4th Year: 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)	Nos.	1.00	8581.68	8,582

	Specification	Unit	Total Qty.	Rate	Amount
52.00	Maintenance for 4th Year: 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.	1.00	4106.40	4,106
53.00	Maintenance for 4thYear: 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.	1.00	2784.00	2,784
54.00	Maintenance for 4th Year: Painting of Existing street light pole after scrapping the old paint and painted with suitable colour enamel including coping/footing of the pole8mtr and above street light pole (Ref Electrical SOR SI No.16.28.3)	Nos.	241.00	719.20	173,327
55.00	Maintenance for 4th Year: Supply, installation, testing and commissioning of outdoor junction box for mounting MCB/Contactors with all required accessories and componenets	Nos.	1.00	13668.28	13,668
56.00	Maintenance for 4th Year: 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.	1.00	1794.52	1,795
57.00	LT Cable Maintenance for 4th Year: 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	60.00	135.72	8,143
58.00	Maintenance for 4th Year: 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	10.00	94.66	947
59.00	Maintenance for 4th Year: 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	10.00	13.12	131
60.00	Maintenance for 4thYear: 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	8.00	3.62	29
61.00	Earthing system Maintenance for 4th Year: 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	1.00	6380.00	6,380
62.00	Maintenance for 4th Year: 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	50.00	22.62	1,131
	Landcaping Works SOIL MIXES and Ground Preparation				

	Specification	Unit	Total Qty.	Rate	Amount
63.00	Maintenance for 4th Year: Supplying and stacking of good earth at site including royalty and carriage upto 5 k.m. lead complete (earth measured in stacks will be reduced by 20% for payment). (Non SOR Item)		1.50	162.40	244
64.00	Maintenance for 4th Year: KSRRB M300-Supply at site of work well decayed farm yard manure KSRRB M300-11. Supply at site of work well decayed farm yard manure, from any available source, approved by the engineer in charge including screening and stackin complete as per specifications. MORTH Specification No. 308.2(Page No.152,SI.No.19.90)	Cum	0.75	260.30	195
65.00	Maintenance for 4th Year: KSRRB M300-Horticulture KSRRB M300-Spreading of sludge farm yard manure or/ and good earth KSRRB M300-1. Spreading of sludge farm yard manure or/ and good earth in required thickness (cost of sludge, farm yard manure or/and good earth to be paid for separately) complete as per specifications. MORTH Specification No. 307 (KPWD SR 16-17,Page No.150,SI No.19.77)	Cum	2.00	131.43	263
66.00	Maintenance for 4th Year: Mixing earth and sludge or manure in the required proportion specified or directed by the Officer-in-charge (Non SOR item)	Cum	2.00	27.74	55
67.00	Soil preparation of Lawn Maintenance for 4th Year: KSRRB M300-3.Making lawns including ploughing and breaking of clod,removal of rubbish,dressing and supplying doobs grass roots and planting at 15 cm apart,including supplying and spreading of farm yard manure at rate of 0.18cum per 100 sqm complete as per specifications. MORTH Specification No.307 (KSRRB 19.80)	Sqm	382.19	131.43	50,231
68.00	TURF Operation & Maintenance for 4th Year: ZOYSIA JAPONICA (MAT) (Non SOR Item)	Sqm	3.00	181.89	546
69.00	IRRIGATION Operation & Maintenance for 4th Year: Watering with tanker to landscape area and plants for one year	Year	1.00	34534.45	34,534
70.00	Operation & Maintenance for 4th Year: supply and fixing of irrigation lines such that all the green areas and plants are adequately watered; by means of drip irrigation for trees, sub surface for shrubs and lawn areas / ground covers and pop up sprinklers for lawn areas. (Equipment make - Rainbird or equivalent) All material used should be comply to BSI code. All the necessary value and pump required for complete commissioning to be installed. (Non SOR Item)	Sqm	3.00	649.60	1,949
				Total	43,86,071

Assistant Executive Engineer MSCL Mangaluru

Executive Engineer MSCL Mangaluru

Name of the Work :- Mangalore Smart City 8.2 M.S. For Maintenance of Road and Other Work for DPR 7 - 4th Year

8.2 M.S. For Maintenance of Road and Other Work for DPR 7 - 4th Year Sr.No. Specification Unit No. L B D							
Sr.No.	Specification	Unit	No.	L	В	D	Qty.
	Civil Works						
1.00	Maintenance for 4th Year: Taking out existing CC interlocking paver blocks from footpath/ central verge, including removal of rubbish etc., disposal of unserviceable material to the dumping ground, for which payment shall be made separately and stacking of serviceable material within 50 metre lead as per direction of Engineer-in- Charge.(RA attached)	Sqm	1	7	2		14.00
2.00	Maintenance for 4th Year: KSRRB M200.Dismantling of cement concrete pavement by mechanical means using pueumatic tools,breaking to pieces not exceeding 0.02 cum in volume and stock pilling at designated locations and disposal of dismantled material stacking serviceble and unserviceable materials separately complete as per specifications.MORTH specification No.202.(Including transporting charges,loading and unloading for lead 5km-Extra) (Page No 138,SI No : 18.47)	Cum	1	1	1	0.3	0.30
3.00	Maintenance for 4th Year: KSRRB M200-Dismantaling of kerb Stone and Channel KSRRB M200-26. Dismantling Kerb stone by Manual means and disposal of dismantled materials with all lifts and complete as per specifications.MORTH Specification No.202. (Page No.139,S.I.No.18.49)	Rmt	1	20			20.00
4.00	Maintenance for 4th Year: KSRRB M200-13.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. II. By Mechanical Means. A. Cement Concrete Grade M-15 &M-20. MORTH Specification No. 202 (KPWD SOR 16-17,18.20,Page No.137)	Cum	1	40	1	0.5	20.00
5.00	Maintenance for 4th Year: KSRRB M200-12.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonary, cement concrete, woodwork, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. i)Dismantaling Brick/Tile work B.In Cement mortar (Page No 137,SI No : 18.23)		2	1	0.5	0.23	0.23
6.00	Maintenance for 4th Year: KSRRB M300-14. Excavation for roadwork in all types of soil with hydraulic excavator of 0.9 bucket capacity including cutting and loading in tippers,trimming bottom and side slopes,in accordance with requirements of lines and grades and cross sections,and transporting disposal location up to a lead of 1.00Km and complete as per specifications. MORTH specification No.301(Including transporting charges, loading and unloading for lead 5km) (Page No 143,SI No : 19.14)	Cum	1.00	100	5	0.5	250.00
7.00	Maintenance for 4th Year: 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.(KPWD 16-17,SI No.2.11,Pg. No.6)	Cum	1.00	30	5	0.5	75.00
8.00	Maintenance for 4th Year: KSRRB 300-Compaction KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3.(KPWD 16- 17,SI No.19.64,Pg. No.149)	Sqm	1.00	100		5	500.00

Sr.No.	Specification	Unit	No.	L	в	D	Qty.
9.00	Maintenance for 4th Year: KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix M15 Grade with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No. 4.6 of PWD SR 2015-16)	Cum	1.00	15	5	0.1	7.50
10.00	Maintenance for 4th Year: KSRRB M400-6.1. Construction of granular sub-base by providing close graded crushed stone aggregates of granite / trap / basalt material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with Plate compactor to achieve the desired density, complete as per specifications. A. Plant Mix Method Close graded granular sub-base material as per 400-1 For Grading- II Material	Cum	1.00	50	5	0.15	37.50
11.00	Maintenance for 4th Year: KSRB 4.2.1 : Providing and laying in position reiforcement cement concrete of design Mix M25 with OPC cement @340Kgs,with 20mm and down size graded granite metal coarse aggregate @ 0.47 cum with super plasticisers @3 liters confirming to IS 9103-1999 reafirmed -2008 at machine mixed,concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls,return walls,walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks,anchor blocks & plinths etc.,Including cost of labour,HOM of machinery,curing,complete but excluding cost of reinforcement as per specifications. (Page No 13,SI No : 4.10)	Cum	1.00	200	0.2	1.2	48.00
12.00	Maintenance for 4th Year: KSRB 4.6.1 Providing and removing centering, shuttering, strutting, propping etc.,and removal of formwork for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No. KSB 4.6.2 (Page No 15, SI No : 4.28)	Sqm	2.00	200		0.9	360.00
13.00	Maintenance for 4th Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work including straighting,cutting,bending,hooking,placing in position,lapping and/or welding wherever required,tying with binding wire and anchoring to thr adjoing members wherever necessary complete as per design (laps,hooks and wastage shall not be measured and paid) cost of materials,labour,HOM of machinary complete as per specifications.Specification No. KBS4.6.3. do with TMT bars Fe500	MT	1.00	3.84			3.84
14.00	Maintenance for 4th Year: KSRRB M300-Construction of Subgrade. KSRRB M300-55. Construction of sub-grade with approved material Gravel/Murrum with all lifts & leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of Table No. 300-2 complete as per specifications (including cost of earth, watering charges & compaction by vibratory rollercompaction by vibratory roller to 97% of proctors density) MORTH Specification No. 305	Cum	10.00	3.5	3.5	0.5	61.25
15.00	Maintenance for 4th Year: KSRRB M600-1.Construction of dry lean cement concrete mix M15 with 1:5:10 OPC cement @160Kgs,with 25mm and down size graded granite/trap/basalt metal coarse aggregate at 0.86cum and fine aggregate @ 0.58cum Sub-base over prepared sub grade with (coarse and fine aggregate confirming to IS:383) aggregate cement ration not to excee 15:1. Aggregate gradation after blending to be as per Table 600-1, cement content to be determined during trail length construction, concrete strength not to be less than 10Mpa at 7 days,mixed in a batching plant,transported to site,laid with a paver with electronic sensor,compacting with 8-10 tonnes double drum vibratory roller,finishing and curing complete as per specifications.Morth specification No.601 (Page No 176,SI No : 22.1)	Cum	10.00	3.5	3.5	0.1	12.25

Sr.No.	Specification	Unit	No.	L	в	D	Qty.
16.00	Maintenance for 4th Year: KSRRB M600-1.Construction of dry lean cement concrete mix M15 with 1:5:10 OPC cement @160Kgs,with 25mm and down size graded granite/trap/basalt metal coarse aggregate at 0.86cum and fine aggregate @ 0.58cum Sub-base over prepared sub grade with (coarse and fine aggregate confirming to IS:383) aggregate cement ration not to excee 15:1. Aggregate gradation after blending to be as per Table 600-1, cement content to be determined during trail length construction, concrete strength not to be less than 10Mpa at 7 days,mixed in a batching plant,transported to site, Manually laid and compacting with palte compactor ,finishing and curing complete as per specifications.Morth specification No.601 (RA attached)	Cum	1.00	100	2	0.1	20.00
17.00	Maintenance for 4th Year: KSSRRB M600-2.Construction of unreinforced,dowel jointed,plain cement concrete pavement over a prepared sub base with 25mm and down size graded granite metal coarse aggregate with superplastisizer at 3 lts confirming to IS9103-1999 reaffirmed 2008(Coarse and fine aggregate conforming to IS:383) mixed in a batching and mixing plant as per approved mix design,transported to site,laid with a fixed form paver spread,compacted and finished in a continuos operation including provision of contraction, expansio, construction and longitudinal joints,including groove cutting chrges, joints filler,separation memberane, sealent primer, joints sealant, debonding strip, dowel bars at 4.5m intervals, tie rod, admixtures as approved, curing compound,finishing to lines and grades as per drawing complete as per sprcifications MORTH specification No.602.do with M40 (420Kg per cum Cement,C.A,0.67 cum F.A.044Cum (Page No 176,SI No : 22.2.2)	Cum	10.00	3.5	3.5	0.23	28.18
18.00	Maintenance for 4th Year: Providing and placing joint sealant compound of cold polysulphide in the grooves after widening the groove to required width, sand blasting the groove face if recommended by the sealant manufacturer, cleaning the groove with air compressor, insertion of debonding strip, priming the sides of the sealant if the sealant manufacturer recommends and pouring the sealant all complete including material, manpower (Non SOR Item)	Rmt	1.00	650			650.00
19.00	Maintenance for 4th Year: KSRRB 3000 Repair of Joint Grooves with Epoxy Mortar KSRRB M3000-8 Repairs of spalled joints grooves of contraction joints longitudinal joints and expansion joints in concrete pavement using epoxy mortar concrete complete as per specifications.Morth specification No.3005.1 (Page No 257,SI No : 35.8)		1.00	650			650.00
20.00	Maintenance for 4th Year: Providing and laying at or near ground level factory made kerb stone of M-20 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).	Cum	1	1	0.1		0.10
21.00	(RA Attached) Maintenance for 4th Year: Providin and fixing pre cast solid concrete Kerb stones as per the drawing,made out of CC 1:2:4 and Jointed with CM 1:3 and finishing cutting, including cost of all materials,labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc.,complete (Page No 25,SI No : 5.3)		1	100	0.03		2.79
22.00	Maintenance for 4th Year: Providin and fixing pre cast solid concrete water table(longitudinal gutter) as per the drawing,made out of CC 1:2:4 and jointed with CM 1:3 and finishing cutting, including cost of all materials,labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc.,complete (Page No 25,SI No : 5.3)		1	100	0.01		1.18

Sr.No.	Specification	Unit	No.	L	В	D	Qty.
23.00	Maintenance for 4th Year: Removing and resetting of kerb stones. including cost of all materials, scaffolding HOM of machineries with all lead and lifts, labour charges including implementation of Environmental and Social Safeguards & as per design, drawing, technical specifications and directions of Engineer-in-charge.	Rmt	100				100.00
24.00	Maintenance for 4th Year: KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 (Page No 182,SI No : 24.1)		1	500	0.17		82.50
25.00	Maintenance for 4th Year: P/F FRP Recess Cover (2.5T) 900mmx600 mm with frame on Manhole for electrical ducting.	Nos.	5.00				5.00
26.00	Maintenance for 4th Year: P/F FRP Recess Cover (2.5T) 600mmx450 mm with frame at raised footpath on SWD. (Rate analysis attached)	Nos.	5.00				5.00
27.00	Maintenance for 4th Year: P/F FRP Water gully cover with frame (25T) 600mmx500 mm at level footpath. (Rate analysis attached)	Nos.	5.00				5.00
28.00	Maintenance for 4th Year: Providing gully pipe lowering,laying of PVC 100 mm dia pipes to the required alignments including specials and grade as indicated in drawings/design and hydraulically testing of the pipe line. The rate shall include all jointing materials, testing apparatus and water for testi g etc as directed by the Engineer in charge (page No.41, Item No.7, KUWSDB SOR 2016-17)	Rmt	20.00	1.00			20.00
29.00	Maintenance for 4th Year: KSRB 11-18-17.1 : 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. (PWD SR 2015-16, P.No.86, SI.No.12.89)	Nos.	20.00				20.00
30.00	Maintenance for 4th Year: KSRRB M800-29.3.Cable Duct Across the road KSRRB M800-29.1. Providing and laying of a reinforced cement concrete pipe duct, 300 mm dia, across the road (new construction), extending from drain to drain in cuts and toe of slope to toe of slope in fills, constructing head walls at both ends, providing a minimum fill of granular material over top and sides of RCC pipe as per IRC:98- 1997, bedded on a 0.3 m thick layer of granular material free of rock pieces, outer to outer distance of pipe at least half dia of pipe subject to minimum450 mm in case of double and triple row ducts, joints to be made leak proof, invert level of duct to be above higher than ground level to prevent entry of water and dirt, all as per IRC: 98 - 1997 and approved drawings complete as per specifications. Case-III :Triple row for three utility services. (PWD SR 2015-16,SI.No.24.36)	Rmt	1	20.00			20.00
31.00	Maintenance for 4th Year: Providing and laying Dia 225 mm HDPE Electrical pipe Conduits with Silicore Lubricant inner layer with ribs, dimensional ratio of 13.5,Deflection not greater than 5% when exposed to the normal operating temparature 90°C under the over burden soil presuure and other physical properties comforming to ASTMF 2160 and /or NEMA TC7.The expected service life of HDPE pipe conduits and accessories shall not be less than 50 years. (Market Rate)	Rmt	1	150			150.00
32.00	Maintenance for 4th Year: Providing and laying Dia 160mm HDPE Electrical pipe Conduits with Silicore Lubricant inner layer with ribs, dimensional ratio of 13.5,Deflection not greater than 5% when exposed to the normal operating temparature 90°C under the over burden soil presuure and other physical properties comforming to ASTMF 2160 and /or NEMA TC7.The expected service life of HDPE pipe conduits and accessories shall not be less than 50 years.(Market Rate)	Rmt	1	100			100.00
33.00	Maintenance for 4thYear: Providing and Fixixng Spacers for Power Ducts of size 225 mm, to be placed at an interval of 1.5 meter. Spacers shall be made of ABS raw material. (Market rate)	Nos.	20				20.00

Sr.No.	Specification	Unit	No.	L	в	D	Qty.
34.00	Maintenance for 4th Year: Providing and Fixixng Spacers for Power Ducts of size 160 mm, to be placed at an interval of 1.5 meter. Spacers shall be made of ABS raw material. (Market rate)	Nos.	20				20.00
35.00	Maintenance for 4th Year: Supplying 7-way 40mm HDPE pipe Multi-way Duct Silicore Lubricant inner layer for ICT fibre cables comforming to ASTMF 2160 and /or equivalent indian standard and conveying to work site including loading and unloading at both destination and rolling, lowering into trenches, laying true to line and jointing of pipe etc.Complete. (Market Rate)	Rmt	1	40			40.00
36.00	Maintenance for 4th Year: Supplying and Application charges required for stamping the freshly laid new concrete (Concrete rate is not included in this item) including finishing and colouring the top surface accurately to the required level,shape and size using approved colour shade and staping it using approved stamp pattern and antiquitting it on top with approved colour.Sealing entire area with concrete sealer.	Sqm	1	100	2		200.00
37.00	Maintenance for 4th Year: Providing and laying heavy duty cobble stones 75mm thick, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 30mm 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	1.00	50	1.5		75.00
38.00	(Page No 101,SI No : 14.7) Maintenance for 4th Year: KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications MORTH Specification No. 507 - using 100/120 TPH capacity H.M.P. with sensor paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen(KPWD 16-17,S.I.No.21.17.1,Page No.163)	Cum	2.00	2.5	8	0.15	6.00
39.00	Maintenance for 4th Year: KSRRB M500-19. Providing and laying bituminous concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications. MORTH Specification No. 509 - using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 45 mm) with 6 % VG-40 Bitumen	Cum	2.00	2.5	8	0.04	1.60
40.00	Maintenance for 4th Year: KSRRB M800 Road markers / Road stud KSRRB M800-35. Providing and fixing of road stud 100x 100 mm, diecast in aluminium, resistant to corrosive effect of salt and grit, fitted with lense reflectors, installed in concrete or asphaltic surface by drilling hole 30 mm upto a depth of 60 mm and bedded in a suitable bituminous grout or epoxy mortar, all as per BS: 873 part 4:1973 complete as per specifications	Nos.	50.00				50.00
41.00	Maintenance for 4th Year: Supply & Installation of Solar Raised Pavement Markers made of polycarbonate molded body with circular shape, solar powered, LED self illumination in active mode, 360 degree illumination and reflective panels with micro prismatic lens in passive mode. The marker shall support a load of20000 kg tested in accordance to IRC 37 and shall be resistantto dust and water ingress according to IP 65 (Ingress Protection 65 is a test which is conducted to check if solar road stud is protected from total dust Ingress and low pressure water jets from any direction) standards and should withstand temperatures in the range of 0 C to 70 C. Color of lighting could be provided in red or yellow (amber) as per requirement and typical frequency of blinking is 1 Hz. There should be current losses of less than 20 micro-amperes at 2.4 V in sleep-charging mode to enhance the life of the marker and a full charge should provide for a minimum autonomy of 50 hours. The height, width and length of the marker shall not be less than 10 mm x 100 mm x 100 mm. Also, the surface diameter of the marker shall not be less than 100 mm respectively. The weight of the marker shall not exceed 0.5 Kilograms. Fixing will be by drilling holes on	Nos.	20.00				20.00

Sr.No.	Specification	Unit	No.	L	в	D	Qty.
42.00	Maintenance for4th Year: Road Marking with hot applied Thermoplastic Compound with Reflectrising Glass Beads on Concrete Surface:Providing and laying of hot applied thermoplastic compound 2.5mm thick including reflectorising glass beads at 250 gms and 2 ltr of primer per sqm area,thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35.The finished surface to be level,uniform and free from streak and holes complete as per specifications.MORTH specification No.803 (Page No 192,SI No : 24.57)	Sqm	1.00	4000	0.15		600.00
43.00	Maintenance for 4th Year: Operation and Maintenance for eToilets Stainless Steel Public Model as specified in Road and Other works BOQ Item No.45.	Nos	4.00				4.00
44.00	Maintenance for 4th Year: Providing and fixing of S.S. Bollards(SS304) on footpath as specified and directed by Engineer -in-charge (NON SOR Item)	Nos.	2.00				2.00
45.00	Maintenance for 4th Year: Providing and fixing of railing as detail design in MS HOLLOW SECTION and bars (shop drawing to be approved),with vertical support of 0.9m @2.2mc/c, all complete to the satisfaction of the Landscape architect.(Non SOR Item)	МТ	1.00	0.1			0.10
46.00	Maintenance for 4th Year: Excavation and removal of silt and silt mixed with sand in slussy condition from canal bed including disposing off the same in spoil bank or on the canal embankment in layers as directed etc., complete with lead upto 50 m and all lifts. For Desilting of drains and grit chambers including cost of all materials, scaffolding HOM of machineries with all lead and lifts, labour charges including implementation of Environmental and Social Safeguards & as per design, drawing, technical specifications and directions of Engineer-in-charge.	Cum	2.00	7250	0.7	0.1	1015.00
47.00	Maintenance for 4th Year: Extra Lead for Disposing off unserviceable materials upto 10 Km beyond initial Lead Item No 17.4 KSRRB M100-4.1-Earth	Cum	1.00	200			200.00
48.00	Maintenance for 4th Year: Extra Lead for Disposing off unserviceable materials upto 10 Km beyond initial Lead Item No 17.4 KSRRB M100-4.1-Debris	Cum	1.00	70			70.00
49.00	Electrical Works Maintenance for 4th Year: Dismantling of pole/ street light standard/ strut embedded in cement concrete foundation etc. as required (Delhi analysis of rates E & M 2016, item 12.42, pg 395))	Nos.	1				1.00
50.00	Maintenance for 4th Year: 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)	Nos.	1				1.00
51.00	Maintenance for 4th Year: 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)	Nos.	1				1.00

Sr.No.	Specification	Unit	No.	L	в	D	Qty.
52.00	Maintenance for 4th Year: 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.	1				1.00
53.00	Maintenance for 4thYear: 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.	1				1.00
54.00	Maintenance for 4th Year: Painting of Existing street light pole after scrapping the old paint and painted with suitable colour enamel including coping/footing of the pole8mtr and above street light pole (Ref Electrical SOR SI No.16.28.3)	Nos.	241.00				241.00
55.00	Maintenance for 4th Year: Supply, installation, testing and commissioning of outdoor junction box for mounting MCB/Contactors with all required accessories and componenets	Nos.	1.00				1.00
56.00	Maintenance for 4th Year: 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.	1.00				1.00
	LT Cable						
57.00	Maintenance for 4th Year: 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	1	60.00			60.00
58.00	Maintenance for 4th Year: 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	1	10.00			10.00
59.00	Operation & Maintenance for 4th Year: 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				10.00
60.00	Operation & Maintenance for 4thYear: 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				8.00
61.00	Earthing system Maintenance for 4th Year: 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	1				1.00
62.00	Maintenance for 4th Year: 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	1	50			50.00
	Landcaping Works SOIL MIXES and Ground Preparation						

Sr.No.	Specification	Unit	No.	L	в	D	Qty.
63.00	Maintenance for 4th Year: Supplying and stacking of good earth at site including royalty and carriage upto 5 k.m. lead complete (earth measured in stacks will be reduced by 20% for payment). (Non SOR Item)		1	20	0.5	0.15	1.50
64.00	Maintenance for 4th Year: KSRRB M300-Supply at site of work well decayed farm yard manure KSRRB M300-11. Supply at site of work well decayed farm yard manure, from any available source, approved by the engineer in charge including screening and stackin complete as per specifications. MORTH Specification No. 308.2(Page No.152, SI.No.19.90)	Cum	1	15	0.5	0.1	0.75
65.00	Maintenance for 4th Year: KSRRB M300-Horticulture KSRRB M300-Spreading of sludge farm yard manure or/ and good earth KSRRB M300-1. Spreading of sludge farm yard manure or/ and good earth in required thickness (cost of sludge, farm yard manure or/and good earth to be paid for separately) complete as per specifications. MORTH Specification No. 307 (KPWD SR 16-17,Page No.150,SI No.19.77)	Cum	1	40	0.5	0.1	2.00
66.00	Maintenance for 4th Year: Mixing earth and sludge or manure in the required proportion specified or directed by the Officer-in-charge (Non SOR item)	Cum	1	40	0.5	0.1	2.00
	Soil preparation of Lawn						
	Maintenance for 4th Year: KSRRB M300-3.Making lawns including ploughing and breaking of clod,removal of rubbish,dressing and supplying doobs grass roots and planting at 15 cm apart,including supplying and spreading of farm yard manure at rate of 0.18cum per 100 sqm complete as per specifications. MORTH Specification No.307 (KSRRB 19.80)	Sqm	1.00	382.19			382.19
	TURF						
68.00	Maintenance for 4th Year: ZOYSIA JAPONICA (MAT) (Non SOR Item)	Sqm	1	5	0.6		3.00
	IRRIGATION						
69.00	Maintenance for 4th Year: Watering with tanker to landscape area and plants for one year	Year	1.00				1.00
70.00	Maintenance for 4th Year: supply and fixing of irrigation lines such that all the green areas and plants are adequately watered; by means of drip irrigation for trees, sub surface for shrubs and lawn areas / ground covers and pop up sprinklers for lawn areas. (Equipment make - Rainbird or equivalent) All material used should be comply to BSI code. All the necessary value and pump required for complete commissioning to be installed. (Non SOR Item)	Sqm	1	5	0.6		3.00

Assistant Executive Engineer MSCL Mangaluru

Executive Engineer MSCL Mangaluru

Name of the Work :- Mangalore Smart City 8.3 R.A. For Maintenance of 4th Year - DPR 7

1	Maintenance for 4th Year: Taking out existing CC interlocking paver blocks from footpath/ ce etc., disposal of unserviceable material to the dumping groun separately and stacking of serviceable material within 50 metre Charge.(RA attached)	ntral verg id, for w	hich payment	shall be made
	Basic rate		68.16	
	Maintenance- 4th year escalation of 16%		10.91	
		Rate	79.07	Sqm
				•
2	Maintenance for 4th Year: KSRRB M200.Dismantling of cement concrete pavement by tools,breaking to pieces not exceeding 0.02 cum in volume and s disposal of dismantled material stacking serviceble and unservic per specifications.MORTH specification No.202.(Including transpo- lead 5km-Extra) (Page No 138,SI No : 18.47)	stock pilli eable ma	ng at designated aterials separate	d locations and ly complete as
	Basic rate		899	
	Maintenance- 4th year escalation of 16%		143.84	
	Add 10% For area weightage (Mangalore City)		104.28	
		Rate	1147.12	Cum
		-		
3	KSRRB M200-Dismantaling of kerb Stone and Channel KSRRB M2 Manual means and disposal of dismantled materials with all lifts an specifications.MORTH Specification No.202. (Page No.139,S.I.No.18.49)		te as per	stone by
	Basic rate		12.00	
	Maintenance- 4th year escalation of 16%		1.92	
	Add 10% For area weightage (Mangalore City)		1.39	
		Rate	15.31	Rmt
4	Maintenance for 4th Year: KSRRB M200-13.1. Dismantling of existing structures like culve structure comprising of masonry, cement concrete, wood work, st wherever necessary, sorting the dismantled material, disposal of	eel work, unservice	including T&P able material a	
7	serviceable material with all lifts complete as per specifications. Concrete Grade M-15 &M-20. MORTH Specification No. 202 (KPW			ns. A. Cement
т 	Concrete Grade M-15 &M-20. MORTH Specification No. 202 (KPW Basic rate		16-17,18.20,Pag	ins. A. Cement
т 	Concrete Grade M-15 &M-20. MORTH Specification No. 202 (KPW Basic rate Maintenance- 4th year escalation of 16%		16-17,18.20,Pag <u>390</u> 62.4	ins. A. Cement
т 	Concrete Grade M-15 &M-20. MORTH Specification No. 202 (KPW Basic rate	/D SOR ^	16-17,18.20,Pag 390 62.4 45.24	ns. A. Cement e No.137)
	Concrete Grade M-15 &M-20. MORTH Specification No. 202 (KPW Basic rate Maintenance- 4th year escalation of 16%		16-17,18.20,Pag <u>390</u> 62.4	ins. A. Cement
5	Concrete Grade M-15 &M-20. MORTH Specification No. 202 (KPW Basic rate Maintenance- 4th year escalation of 16%	/D SOR / Rate erts, brid teel work	16-17,18.20,Pag 390 62.4 45.24 497.64 ges, retaining v , including T&P	ns. A. Cement e No.137) Cum valls and other and scaffolding
	Concrete Grade M-15 &M-20. MORTH Specification No. 202 (KPW Basic rate Maintenance- 4th year escalation of 16% Add 10% For area weightage (Mangalore City) Maintenance for 4th Year: KSRRB M200-12.1. Dismantling of existing structures like culve structure comprising of masonary, cement concrete, woodwork, st wherever necessary, sorting the dismantled material, disposal of serviceable material with all lifts complete as per specifications. i)Dismantaling Brick/Tile work B.In Cement mortar (Page No 137,SI No : 18.23) Basic rate	/D SOR / Rate erts, brid teel work	16-17,18.20,Pag 390 62.4 45.24 497.64 ges, retaining v , including T&P	ns. A. Cement e No.137) Cum valls and other and scaffolding
	Concrete Grade M-15 &M-20. MORTH Specification No. 202 (KPW Basic rate Maintenance- 4th year escalation of 16% Add 10% For area weightage (Mangalore City) Maintenance for 4th Year: KSRRB M200-12.1. Dismantling of existing structures like culve structure comprising of masonary, cement concrete, woodwork, st wherever necessary, sorting the dismantled material, disposal of serviceable material with all lifts complete as per specifications. i)Dismantaling Brick/Tile work B.In Cement mortar (Page No 137,SI No : 18.23)	/D SOR / Rate erts, brid teel work	16-17,18.20,Pag <u>390</u> 62.4 45.24 497.64 ges, retaining w , including T&P eable material an	ns. A. Cement e No.137) Cum valls and other and scaffolding
	Concrete Grade M-15 &M-20. MORTH Specification No. 202 (KPW Basic rate Maintenance- 4th year escalation of 16% Add 10% For area weightage (Mangalore City) Maintenance for 4th Year: KSRRB M200-12.1. Dismantling of existing structures like culve structure comprising of masonary, cement concrete, woodwork, st wherever necessary, sorting the dismantled material, disposal of serviceable material with all lifts complete as per specifications. i)Dismantaling Brick/Tile work B.In Cement mortar (Page No 137,SI No : 18.23) Basic rate	/D SOR / Rate erts, brid teel work	16-17,18.20,Pag <u>390</u> 62.4 45.24 497.64 ges, retaining w , including T&P eable material and 351	ns. A. Cement e No.137) Cum valls and other and scaffolding

	Maintenance for 4th Year:		1 1	
	KSRRB M300-14. Excavation for roadwork in all types of soil	•		
6	capacity including cutting and loading in tippers, trimming botto requirements of lines and grades and cross sections, and transp			
-	1.00Km and complete as per specifications.	•		
	MORTH specification No.301(Including transporting charges, loadi	ng and u	nloading for lead 5	5km)
	(Page No 143,SI No : 19.14)	0	Ū	,
	Basic rate		41	
	Maintenance- 4th year escalation of 16%		6.56	
	Add 10% For area weightage (Mangalore City)		4.76	
		Rate	52.32	Cum
	Maintenance for 4th Year:			
_	KSRB 2-4 : Refilling available earth around pipe lines, cables in	•	-	
7	compacting each deposited layer by ramming after watering wi			
	including cost of all labour complete as per specifications.(KPWD	16-17,SI	No.2.11,Pg. No.6)	
	Basic rate		120	
	Maintenance- 4th year escalation of 16%		19.2	
	Add 10% For area weightage (Mangalore City)		13.92	
		Rate	153.12	Cum
	Maintenance for 4th Year:			
	KSRRB 300-Compaction KSRRB 300-58. Compaction of original g			
8	10 tonnes power roller including filling in depression occuring durin			
	HOM of machinery complete as per specifications. MORTH / Chap	oter 3.(KP	WD 16-17,SI No.	19.64,Pg.
	No.149)			
	Basic rate		6	
	Basic rate Maintenance- 4th year escalation of 16%		0.96	
	Basic rate		0.96 0.7	
	Basic rate Maintenance- 4th year escalation of 16%	Rate	0.96	Sqm
	Basic rate Maintenance- 4th year escalation of 16% Add 10% For area weightage (Mangalore City)	Rate	0.96 0.7	Sqm
	Basic rate Maintenance- 4th year escalation of 16% Add 10% For area weightage (Mangalore City) Maintenance for 4th Year:		0.96 0.7 7.66	•
	Basic rate Maintenance- 4th year escalation of 16% Add 10% For area weightage (Mangalore City) Maintenance for 4th Year: KSRB 4-1.6 ; Providing and laying in position plain cement cond	crete of r	0.96 0.7 7.66 nix M15 Grade w	ith cement
	Basic rate Maintenance- 4th year escalation of 16% Add 10% For area weightage (Mangalore City) Maintenance for 4th Year: KSRB 4-1.6 ; Providing and laying in position plain cement cond 240kgs, with 20mm and down size graded granite metal coa	crete of r rse aggr	0.96 0.7 7.66 nix M15 Grade w egates @ 0.69 (ith cement cum and fi
9	Basic rate Maintenance- 4th year escalation of 16% Add 10% For area weightage (Mangalore City) Maintenance for 4th Year: KSRB 4-1.6 ; Providing and laying in position plain cement cond 240kgs, with 20mm and down size graded granite metal coa aggregtes @ 0.459cum, machine mixed, concrete laid in layer	crete of r rse aggr ers not e	0.96 0.7 7.66 nix M15 Grade w egates @ 0.69 o exceeding 15 cm	ith cement cum and fin is. thick, w
9	Basic rate Maintenance- 4th year escalation of 16% Add 10% For area weightage (Mangalore City) Maintenance for 4th Year: KSRB 4-1.6 ; Providing and laying in position plain cement cond 240kgs, with 20mm and down size graded granite metal coa aggregtes @ 0.459cum, machine mixed, concrete laid in laye compacted, in foundation, plinth and cills, ncluding cost of all mate	crete of r rse aggr ers not e erials, lat	0.96 0.7 7.66 nix M15 Grade w egates @ 0.69 o exceeding 15 cm pour, HOM of mac	ith cement cum and fin is. thick, w chinery, curin
9	Basic rate Maintenance- 4th year escalation of 16% Add 10% For area weightage (Mangalore City) Maintenance for 4th Year: KSRB 4-1.6 ; Providing and laying in position plain cement cond 240kgs, with 20mm and down size graded granite metal coa aggregtes @ 0.459cum, machine mixed, concrete laid in layer	crete of r rse aggr ers not e erials, lat	0.96 0.7 7.66 nix M15 Grade w egates @ 0.69 o exceeding 15 cm pour, HOM of mac	ith cement cum and fin is. thick, w chinery, curin
9	Basic rate Maintenance- 4th year escalation of 16% Add 10% For area weightage (Mangalore City) Maintenance for 4th Year: KSRB 4-1.6 ; Providing and laying in position plain cement cond 240kgs, with 20mm and down size graded granite metal coa aggregtes @ 0.459cum, machine mixed, concrete laid in laye compacted, in foundation, plinth and cills, ncluding cost of all mate complete as per specifications. Specification No. KBS 4.1, 4.2. (P.1)	crete of r rse aggr ers not e erials, lat	0.96 0.7 7.66 nix M15 Grade w egates @ 0.69 exceeding 15 cm bour, HOM of mac No. 4.6 of PWD SI	ith cement cum and fir is. thick, we chinery, curir
9	Basic rate Maintenance- 4th year escalation of 16% Add 10% For area weightage (Mangalore City) Maintenance for 4th Year: KSRB 4-1.6 ; Providing and laying in position plain cement cond 240kgs, with 20mm and down size graded granite metal coa aggregtes @ 0.459cum, machine mixed, concrete laid in laye compacted, in foundation, plinth and cills, ncluding cost of all mate complete as per specifications. Specification No. KBS 4.1, 4.2. (P. Basic Rate	crete of r rse aggr ers not e erials, lat	0.96 0.7 7.66 nix M15 Grade w egates @ 0.69 o exceeding 15 cm bour, HOM of mac No. 4.6 of PWD SI	ith cement cum and fir ns. thick, we chinery, curir
9	Basic rate Maintenance- 4th year escalation of 16% Add 10% For area weightage (Mangalore City) Maintenance for 4th Year: KSRB 4-1.6 ; Providing and laying in position plain cement cond 240kgs, with 20mm and down size graded granite metal coa aggregtes @ 0.459cum, machine mixed, concrete laid in laye compacted, in foundation, plinth and cills, ncluding cost of all mate complete as per specifications. Specification No. KBS 4.1, 4.2. (P.I.) Basic Rate Maintenance- 4th year escalation of 16%	crete of r rse aggr ers not e erials, lat	0.96 0.7 7.66 nix M15 Grade w egates @ 0.69 o exceeding 15 cm bour, HOM of mac No. 4.6 of PWD SI 5900 944	ith cement cum and fir ns. thick, we chinery, curir
9	Basic rate Maintenance- 4th year escalation of 16% Add 10% For area weightage (Mangalore City) Maintenance for 4th Year: KSRB 4-1.6 ; Providing and laying in position plain cement cond 240kgs, with 20mm and down size graded granite metal coa aggregtes @ 0.459cum, machine mixed, concrete laid in laye compacted, in foundation, plinth and cills, ncluding cost of all mate complete as per specifications. Specification No. KBS 4.1, 4.2. (P. Basic Rate	crete of r rse aggr ers not e erials, lat No.12, I.N	0.96 0.7 7.66 0.7 7.66 0.69 0 exceeding 15 cm bour, HOM of mac No. 4.6 of PWD SI 5900 944 684.4	ith cement cum and fir ns. thick, we chinery, curir R 2015-16)
9	Basic rate Maintenance- 4th year escalation of 16% Add 10% For area weightage (Mangalore City) Maintenance for 4th Year: KSRB 4-1.6 ; Providing and laying in position plain cement cond 240kgs, with 20mm and down size graded granite metal coa aggregtes @ 0.459cum, machine mixed, concrete laid in laye compacted, in foundation, plinth and cills, ncluding cost of all mate complete as per specifications. Specification No. KBS 4.1, 4.2. (P.I.) Basic Rate Maintenance- 4th year escalation of 16%	crete of r rse aggr ers not e erials, lat	0.96 0.7 7.66 nix M15 Grade w egates @ 0.69 o exceeding 15 cm bour, HOM of mac No. 4.6 of PWD SI 5900 944	ith cement cum and fin is. thick, w chinery, curin
9	Basic rate Maintenance- 4th year escalation of 16% Add 10% For area weightage (Mangalore City) Maintenance for 4th Year: KSRB 4-1.6 ; Providing and laying in position plain cement cond 240kgs, with 20mm and down size graded granite metal coa aggregtes @ 0.459cum, machine mixed, concrete laid in laye compacted, in foundation, plinth and cills, ncluding cost of all mate complete as per specifications. Specification No. KBS 4.1, 4.2. (P.I.) Basic Rate Maintenance- 4th year escalation of 16%	crete of r rse aggr ers not e erials, lat No.12, I.N	0.96 0.7 7.66 0.7 7.66 0.69 0 exceeding 15 cm bour, HOM of mac No. 4.6 of PWD SI 5900 944 684.4	ith cement cum and fir ns. thick, w chinery, curir R 2015-16)
9	Basic rate Maintenance- 4th year escalation of 16% Add 10% For area weightage (Mangalore City) Maintenance for 4th Year: KSRB 4-1.6 ; Providing and laying in position plain cement cond 240kgs, with 20mm and down size graded granite metal coa aggregtes @ 0.459cum, machine mixed, concrete laid in laye compacted, in foundation, plinth and cills, ncluding cost of all mate complete as per specifications. Specification No. KBS 4.1, 4.2. (P. Basic Rate Maintenance- 4th year escalation of 16% Add 10% For area weightage (Mangalore City) Maintenance for 4th Year:	crete of r rse aggr ers not e erials, lat No.12, I.N Rate	0.96 0.7 7.66 nix M15 Grade w egates @ 0.69 o exceeding 15 cm bour, HOM of mac No. 4.6 of PWD SI 5900 944 684.4 7528.40	ith cement cum and fin s. thick, w chinery, curin R 2015-16) Cum
9	Basic rate Maintenance- 4th year escalation of 16% Add 10% For area weightage (Mangalore City) Maintenance for 4th Year: KSRB 4-1.6 ; Providing and laying in position plain cement cond 240kgs, with 20mm and down size graded granite metal coa aggregtes @ 0.459cum, machine mixed, concrete laid in laye compacted, in foundation, plinth and cills, ncluding cost of all mate complete as per specifications. Specification No. KBS 4.1, 4.2. (P.) Basic Rate Maintenance for 4th Year: KSRRB M400-6.1. Construction of granular sub-base by providing	crete of r rse aggr ers not e erials, lat No.12, I.N Rate	0.96 0.7 7.66 nix M15 Grade w egates @ 0.69 o exceeding 15 cm bour, HOM of mac No. 4.6 of PWD SI 5900 944 684.4 7528.40 aded crushed stor	ith cement cum and fin s. thick, w chinery, curin R 2015-16) Cum ne aggregate
	Basic rate Maintenance- 4th year escalation of 16% Add 10% For area weightage (Mangalore City) Maintenance for 4th Year: KSRB 4-1.6 ; Providing and laying in position plain cement cond 240kgs, with 20mm and down size graded granite metal coa aggregtes @ 0.459cum, machine mixed, concrete laid in laye compacted, in foundation, plinth and cills, ncluding cost of all mate complete as per specifications. Specification No. KBS 4.1, 4.2. (P.I) Basic Rate Maintenance for 4th Year: KSRRB M400-6.1. Construction of granular sub-base by providing of granite / trap / basalt material, mixing in a mechaical mix plan	crete of r rse aggr ers not e erials, lab No.12, I.N Rate close gra t at OMC	0.96 0.7 7.66 nix M15 Grade w egates @ 0.69 o exceeding 15 cm bour, HOM of mac No. 4.6 of PWD SI 5900 944 684.4 7528.40 aded crushed stor C, carriage of mix	ith cement cum and fin ns. thick, wo chinery, curin R 2015-16) Cum ne aggregate ed material
9	Basic rate Maintenance- 4th year escalation of 16% Add 10% For area weightage (Mangalore City) Maintenance for 4th Year: KSRB 4-1.6 ; Providing and laying in position plain cement cond 240kgs, with 20mm and down size graded granite metal coa aggregtes @ 0.459cum, machine mixed, concrete laid in laye compacted, in foundation, plinth and cills, ncluding cost of all mate complete as per specifications. Specification No. KBS 4.1, 4.2. (P.) Basic Rate Maintenance for 4th Year: KSRRB M400-6.1. Construction of granular sub-base by providing	crete of r rse aggr ers not e erials, lab No.12, I.N Rate close gra t at OMC ared surf	0.96 0.7 7.66 nix M15 Grade w egates @ 0.69 exceeding 15 cm bour, HOM of mac No. 4.6 of PWD SI 5900 944 684.4 7528.40 aded crushed stor C, carriage of mix face and compact	ith cement cum and fin is. thick, w chinery, curin R 2015-16) Cum ne aggregate ed material ting with Pla
	Basic rate Maintenance- 4th year escalation of 16% Add 10% For area weightage (Mangalore City) Maintenance for 4th Year: KSRB 4-1.6 ; Providing and laying in position plain cement cond 240kgs, with 20mm and down size graded granite metal coa aggregtes @ 0.459cum, machine mixed, concrete laid in laye compacted, in foundation, plinth and cills, ncluding cost of all mate complete as per specifications. Specification No. KBS 4.1, 4.2. (P.I) Basic Rate Maintenance for 4th Year: KSRRB M400-6.1. Construction of granular sub-base by providing of granite / trap / basalt material, mixing in a mechaical mix plan work site, spreading in uniform layers with motor grader on prep	crete of r rse aggr ers not e erials, lat No.12, I.N Rate close gra t at OMC ared surf iffications	0.96 0.7 7.66 nix M15 Grade w egates @ 0.69 exceeding 15 cm bour, HOM of mac No. 4.6 of PWD SI 5900 944 684.4 7528.40 aded crushed stor C, carriage of mix face and compact	ith cement cum and fin is. thick, w chinery, curin R 2015-16) Cum ne aggregate ed material ting with Pla
	Basic rate Maintenance- 4th year escalation of 16% Add 10% For area weightage (Mangalore City) Maintenance for 4th Year: KSRB 4-1.6 ; Providing and laying in position plain cement cond 240kgs, with 20mm and down size graded granite metal coa aggregtes @ 0.459cum, machine mixed, concrete laid in layed compacted, in foundation, plinth and cills, ncluding cost of all mate complete as per specifications. Specification No. KBS 4.1, 4.2. (P.I) Basic Rate Maintenance for 4th Year: KSRRB M400-6.1. Construction of 16% Add 10% For area weightage (Mangalore City) Maintenance for 4th Year: KSRRB M400-6.1. Construction of granular sub-base by providing of granite / trap / basalt material, mixing in a mechaical mix plan work site, spreading in uniform layers with motor grader on prep compactor to achieve the desired density, complete as per spec graded granular sub-base material as per 400-1 For Grading- II Material	crete of r rse aggr ers not e erials, lat No.12, I.N Rate close gra t at OMC ared surf iffications	0.96 0.7 7.66 nix M15 Grade w egates @ 0.69 o exceeding 15 cm bour, HOM of mac No. 4.6 of PWD SI 5900 944 684.4 7528.40 aded crushed stor C, carriage of mix face and compact a. A. Plant Mix Me	ith cement cum and fin is. thick, w chinery, curin R 2015-16) Cum ne aggregate ed material ting with Pla
	Basic rate Maintenance- 4th year escalation of 16% Add 10% For area weightage (Mangalore City) Maintenance for 4th Year: KSRB 4-1.6 ; Providing and laying in position plain cement cond 240kgs, with 20mm and down size graded granite metal coa aggregtes @ 0.459cum, machine mixed, concrete laid in laye compacted, in foundation, plinth and cills, ncluding cost of all mate complete as per specifications. Specification No. KBS 4.1, 4.2. (P.I) Basic Rate Maintenance for 4th Year: KSRRB M400-6.1. Construction of 16% Add 10% For area weightage (Mangalore City) Maintenance for 4th Year: KSRRB M400-6.1. Construction of granular sub-base by providing of granite / trap / basalt material, mixing in a mechaical mix plan work site, spreading in uniform layers with motor grader on prep compactor to achieve the desired density, complete as per spec graded granular sub-base material as per 400-1 For Grading- II Ma Basic Rate	crete of r rse aggr ers not e erials, lat No.12, I.N Rate close gra t at OMC ared surf iffications	0.96 0.7 7.66 nix M15 Grade w egates @ 0.69 o exceeding 15 cm bour, HOM of mac No. 4.6 of PWD SI 5900 944 684.4 7528.40 aded crushed stor C, carriage of mix face and compact ace and compact ace A. Plant Mix Me	ith cement cum and fir is. thick, we chinery, curir R 2015-16) Cum ne aggregate ed material ting with Pla
	Basic rate Maintenance- 4th year escalation of 16% Add 10% For area weightage (Mangalore City) Maintenance for 4th Year: KSRB 4-1.6 ; Providing and laying in position plain cement cond 240kgs, with 20mm and down size graded granite metal coa aggregtes @ 0.459cum, machine mixed, concrete laid in laye compacted, in foundation, plinth and cills, ncluding cost of all mate complete as per specifications. Specification No. KBS 4.1, 4.2. (P.I) Basic Rate Maintenance for 4th Year: KSRB M400-6.1. Construction of 16% Add 10% For area weightage (Mangalore City) Maintenance for 4th Year: KSRRB M400-6.1. Construction of granular sub-base by providing of granite / trap / basalt material, mixing in a mechaical mix plan work site, spreading in uniform layers with motor grader on prep compactor to achieve the desired density, complete as per spec graded granular sub-base material as per 400-1 For Grading- II Ma Basic Rate Maintenance- 4th year escalation of 16%	crete of r rse aggr ers not e erials, lat No.12, I.N Rate close gra t at OMC ared surf iffications	0.96 0.7 7.66 nix M15 Grade w egates @ 0.69 of exceeding 15 cm bour, HOM of mac No. 4.6 of PWD SI 5900 944 684.4 7528.40 aded crushed stor C, carriage of mix face and compact a. A. Plant Mix Me 2166 346.56	ith cement cum and fir is. thick, we chinery, curir R 2015-16) Cum ne aggregate ed material ting with Pla
	Basic rate Maintenance- 4th year escalation of 16% Add 10% For area weightage (Mangalore City) Maintenance for 4th Year: KSRB 4-1.6 ; Providing and laying in position plain cement cond 240kgs, with 20mm and down size graded granite metal coa aggregtes @ 0.459cum, machine mixed, concrete laid in laye compacted, in foundation, plinth and cills, ncluding cost of all mate complete as per specifications. Specification No. KBS 4.1, 4.2. (P.I) Basic Rate Maintenance for 4th Year: KSRRB M400-6.1. Construction of 16% Add 10% For area weightage (Mangalore City) Maintenance for 4th Year: KSRRB M400-6.1. Construction of granular sub-base by providing of granite / trap / basalt material, mixing in a mechaical mix plan work site, spreading in uniform layers with motor grader on prep compactor to achieve the desired density, complete as per spec graded granular sub-base material as per 400-1 For Grading- II Ma Basic Rate	crete of r rse aggr ers not e erials, lat No.12, I.N Rate close gra t at OMC ared surf iffications	0.96 0.7 7.66 nix M15 Grade w egates @ 0.69 o exceeding 15 cm bour, HOM of mac No. 4.6 of PWD SI 5900 944 684.4 7528.40 aded crushed stor C, carriage of mix face and compact ace and compact ace A. Plant Mix Me	ith cement (cum and fir is. thick, we chinery, curir R 2015-16) Cum ne aggregate ed material ting with Pla

	Maintenance for 4th Year:	I I	l			
	KSRB 4.2.1 : Providing and laying in position reiforcement cemer	nt concrete	e of design Mix N	/I25 with OI		
	cement @340Kgs, with 20mm and down size graded granite me	etal coarse	aggregate @ 0).47 cum v		
	super plasticisers @3 liters confirming to IS 9103-1999 reafirmed	-2008 at n	nachine mixed,co	oncrete laic		
	layers not exceeding 15cms thick, vibrated for all works in foundation for footings, pedastals, retain					
11	walls, return walls, walls (any thickness) including attached p		• •			
		ncluding		our,HOM		
	machinery,curing,complete but excluding cost of reinforcement as	0		eur, rem		
	(Page No 13,SI No : 4.10)					
		1				
	Basic Rate		6198			
	Maintenance- 4th year escalation of 16%		991.68			
	Add 10% For area weightage (Mangalore City)		718.97			
		Rate	7908.65	Cum		
	Maintenance for 4th Year:					
	KSRB 4.6.1 Providing and removing centering, shuttering, strutting	a. proppina	etcand remova	al of formwo		
	for foundations, footings, bases of columns for mass concrete					
12	complete as per specifications.					
	Specification No. KSB 4.6.2					
	(Page No 15,SI No : 4.28)					
	()	<u> </u>	000			
	Desis Dete					
	Basic Rate		263			
	Maintenance- 4th year escalation of 16%		42.08			
			42.08 30.51			
	Maintenance- 4th year escalation of 16% Add 10% For area weightage (Mangalore City) Maintenance for 4th Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work incomes	-	42.08 30.51 335.59	Sqm		
13	Maintenance- 4th year escalation of 16% Add 10% For area weightage (Mangalore City) Maintenance for 4th Year:	luding or welding ssary com	42.08 30.51 335.59 wherever require plete as per desig	ed,tying witl gn		
13	Maintenance- 4th year escalation of 16% Add 10% For area weightage (Mangalore City) Maintenance for 4th Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work inc straighting,cutting,bending,hooking,placing in position,lapping and/ binding wire and anchoring to thr adjoing members wherever neces (laps,hooks and wastage shall not be measured and paid) cost of r complete as per specifications.Specification No. KBS4.6.3. do with TMT bars Fe500	luding or welding ssary com	42.08 30.51 335.59 wherever require plete as per desig	ed,tying with		
13	Maintenance- 4th year escalation of 16% Add 10% For area weightage (Mangalore City) Maintenance for 4th Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work inclustraighting,cutting,bending,hooking,placing in position,lapping and/binding wire and anchoring to thr adjoing members wherever necest (laps,hooks and wastage shall not be measured and paid) cost of r complete as per specifications.Specification No. KBS4.6.3. do with TMT bars Fe500 Basic Rate	luding or welding ssary com	42.08 30.51 335.59 wherever require plete as per designabour,HOM of ma 70782	ed,tying with gn		
13	Maintenance- 4th year escalation of 16% Add 10% For area weightage (Mangalore City) Maintenance for 4th Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work inclustraighting,cutting,bending,hooking,placing in position,lapping and/binding wire and anchoring to thr adjoing members wherever neces (laps,hooks and wastage shall not be measured and paid) cost of r complete as per specifications.Specification No. KBS4.6.3. do with TMT bars Fe500 Basic Rate Maintenance- 4th year escalation of 16%	luding or welding ssary com	42.08 30.51 335.59 wherever require plete as per desig abour,HOM of ma 70782 11325.12	ed,tying with gn		
13	Maintenance- 4th year escalation of 16% Add 10% For area weightage (Mangalore City) Maintenance for 4th Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work inclustraighting,cutting,bending,hooking,placing in position,lapping and/binding wire and anchoring to thr adjoing members wherever necest (laps,hooks and wastage shall not be measured and paid) cost of r complete as per specifications.Specification No. KBS4.6.3. do with TMT bars Fe500 Basic Rate	cluding or welding ssary com materials,la	42.08 30.51 335.59 wherever require plete as per desig abour,HOM of ma 70782 11325.12 8210.71	ed,tying with gn achinary		
13	Maintenance- 4th year escalation of 16% Add 10% For area weightage (Mangalore City) Maintenance for 4th Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work inclustraighting,cutting,bending,hooking,placing in position,lapping and/binding wire and anchoring to thr adjoing members wherever neces (laps,hooks and wastage shall not be measured and paid) cost of r complete as per specifications.Specification No. KBS4.6.3. do with TMT bars Fe500 Basic Rate Maintenance- 4th year escalation of 16%	luding or welding ssary com	42.08 30.51 335.59 wherever require plete as per desig abour,HOM of ma 70782 11325.12	ed,tying with gn		
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13	Maintenance- 4th year escalation of 16% Add 10% For area weightage (Mangalore City) Maintenance for 4th Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work incomplete and anchoring to thr adjoing members wherever necest (laps,hooks and wastage shall not be measured and paid) cost of r complete as per specifications.Specification No. KBS4.6.3. do with TMT bars Fe500 Basic Rate Maintenance- 4th year escalation of 16% Add 10% For area weightage (Mangalore City)	luding or welding ssary com naterials,la	42.08 30.51 335.59 wherever require plete as per desig abour,HOM of ma 70782 11325.12 8210.71 90317.83	ed,tying witl gn achinary MT		
13	Maintenance- 4th year escalation of 16% Add 10% For area weightage (Mangalore City) Maintenance for 4th Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work incompletion straighting, cutting, bending, hooking, placing in position, lapping and/binding wire and anchoring to thr adjoing members wherever neces (laps, hooks and wastage shall not be measured and paid) cost of r complete as per specifications.Specification No. KBS4.6.3. do with TMT bars Fe500 Basic Rate Maintenance for 4th Year: KSRRB M300-Construction of Subgrade. KSRRB M300-55. Construction	cluding or welding ssary com materials,la Rate ruction of s	42.08 30.51 335.59 wherever require plete as per desig abour,HOM of ma 70782 11325.12 8210.71 90317.83 sub-grade with ap	ed,tying with gn achinary MT		
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13	Maintenance- 4th year escalation of 16% Add 10% For area weightage (Mangalore City) Maintenance for 4th Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work incestraighting, cutting, bending, hooking, placing in position, lapping and/binding wire and anchoring to thr adjoing members wherever necest (laps, hooks and wastage shall not be measured and paid) cost of r complete as per specifications.Specification No. KBS4.6.3. do with TMT bars Fe500 Basic Rate Maintenance for 4th Year: KSRRB M300-Construction of Subgrade. KSRRB M300-55. Construction and requirement of Table No. 300-2 complete as per specification of Table No. 300-2 complete as per specification of Table No. 300-2 complete as per specification of Table No. 300-2 complete as per specification of Table No. 300-2 complete as per specification of Table No. 300-2 complete as per specification of Table No. 300-2 complete as per specification of Table No. 300-2 complete as per specification of Table No. 300-2 complete as per specification of Table No. 300-2 complete as per specification of Table No. 300-2 complete as per specification of Table No. 300-2 complete as per specification of Table No. 300-2 complete as per specification of Table No. 300-2 complete as per specification of table No. 300-2 complete as per specification of table No. 300-2 complete as per specification of table No. 300-2 complete as per specification of table No. 300-2 complete as per specification of table No. 300-2 complete as per specification of table No. 300-2 complete as per specification of table No. 300-2 complete as per specification of table No. 300-2 complete as per specification of table No. 300-2 complete as per specification of table No. 300-2 complete as per sper specification of table No. 300-2 complete as per specification	eluding or welding ssary com materials,la Rate ruction of so preading, g er specifica	42.08 30.51 335.59 wherever require plete as per designation abour,HOM of material 70782 11325.12 8210.71 90317.83 sub-grade with appredixed and the second sub-grade tying with gn achinary MT oproved od slope and cost of eart			
	Maintenance- 4th year escalation of 16% Add 10% For area weightage (Mangalore City) Maintenance for 4th Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work incompletion straighting, cutting, bending, hooking, placing in position, lapping and/binding wire and anchoring to thr adjoing members wherever necess (laps, hooks and wastage shall not be measured and paid) cost of r complete as per specifications.Specification No. KBS4.6.3. do with TMT bars Fe500 Basic Rate Maintenance for 4th Year: KSRRB M300-Construction of 16% Add 10% For area weightage (Mangalore City) Maintenance for 4th Year: KSRRB M300-Construction of Subgrade. KSRRB M300-55. Construction of Subgrade. KSRRB M300-55. Construction of Table No. 300-2 complete as per watering charges & compaction by vibratory rollercompaction	eluding or welding ssary com materials,la Rate ruction of so preading, g er specifica	42.08 30.51 335.59 wherever require plete as per designation abour,HOM of material 70782 11325.12 8210.71 90317.83 sub-grade with appredixed and the second sub-grade tying with gn achinary MT oproved od slope and cost of eart			
	Maintenance- 4th year escalation of 16% Add 10% For area weightage (Mangalore City) Maintenance for 4th Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work incestraighting, cutting, bending, hooking, placing in position, lapping and/binding wire and anchoring to thr adjoing members wherever necest (laps, hooks and wastage shall not be measured and paid) cost of r complete as per specifications.Specification No. KBS4.6.3. do with TMT bars Fe500 Basic Rate Maintenance for 4th Year: KSRRB M300-Construction of Subgrade. KSRRB M300-55. Construction and requirement of Table No. 300-2 complete as per specification of Table No. 300-2 complete as per specification of Table No. 300-2 complete as per specification of Table No. 300-2 complete as per specification of Table No. 300-2 complete as per specification of Table No. 300-2 complete as per specification of Table No. 300-2 complete as per specification of Table No. 300-2 complete as per specification of Table No. 300-2 complete as per specification of Table No. 300-2 complete as per specification of Table No. 300-2 complete as per specification of Table No. 300-2 complete as per specification of Table No. 300-2 complete as per specification of Table No. 300-2 complete as per specification of table No. 300-2 complete as per specification of table No. 300-2 complete as per specification of table No. 300-2 complete as per specification of table No. 300-2 complete as per specification of table No. 300-2 complete as per specification of table No. 300-2 complete as per specification of table No. 300-2 complete as per specification of table No. 300-2 complete as per specification of table No. 300-2 complete as per specification of table No. 300-2 complete as per sper specification of table No. 300-2 complete as per specification	eluding or welding ssary com materials,la Rate ruction of so preading, g er specifica	42.08 30.51 335.59 wherever require plete as per designation abour,HOM of material 70782 11325.12 8210.71 90317.83 sub-grade with appredixed and the second sub-grade tying with gn achinary MT oproved od slope and cost of eart			
	Maintenance- 4th year escalation of 16% Add 10% For area weightage (Mangalore City) Maintenance for 4th Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work incompletion straighting, cutting, bending, hooking, placing in position, lapping and/binding wire and anchoring to thr adjoing members wherever necess (laps, hooks and wastage shall not be measured and paid) cost of r complete as per specifications.Specification No. KBS4.6.3. do with TMT bars Fe500 Basic Rate Maintenance for 4th Year: KSRRB M300-Construction of 16% Add 10% For area weightage (Mangalore City) Maintenance for 4th Year: KSRRB M300-Construction of Subgrade. KSRRB M300-55. Construction of Subgrade. KSRRB M300-55. Construction of Table No. 300-2 complete as per watering charges & compaction by vibratory rollercompaction	eluding or welding ssary com materials,la Rate ruction of so preading, g er specifica	42.08 30.51 335.59 wherever require plete as per designation abour,HOM of material 70782 11325.12 8210.71 90317.83 sub-grade with appredixed and the second sub-grade tying with gn achinary MT oproved od slope and cost of eart			
	Maintenance- 4th year escalation of 16% Add 10% For area weightage (Mangalore City) Maintenance for 4th Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work incompletion straighting, cutting, bending, hooking, placing in position, lapping and/binding wire and anchoring to thr adjoing members wherever necest (laps, hooks and wastage shall not be measured and paid) cost of recomplete as per specifications. Specification No. KBS4.6.3. do with TMT bars Fe500 Basic Rate Maintenance for 4th Year: KSRRB M300-Construction of 16% Add 10% For area weightage (Mangalore City) Maintenance for 4th Year: KSRRB M300-Construction of Subgrade. KSRRB M300-55. Constimaterial Gravel/Murrum with all lifts & leads, transporting to site, specompacted to meet requirement of Table No. 300-2 complete as per watering charges & compaction by vibratory rollercompaction by vibratory rollercompaction by vibratory rollercompaction by	eluding or welding ssary com materials,la Rate ruction of so preading, g er specifica	42.08 30.51 335.59 wherever require plete as per designation abour,HOM of matrix 70782 11325.12 8210.71 90317.83 sub-grade with appreciations (including er to 97% of processor	ed,tying with gn achinary MT oproved od slope and cost of eart		
	Maintenance- 4th year escalation of 16% Add 10% For area weightage (Mangalore City) Maintenance for 4th Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work incompletion straighting, cutting, bending, hooking, placing in position, lapping and/binding wire and anchoring to thr adjoing members wherever necess (laps, hooks and wastage shall not be measured and paid) cost of recomplete as per specifications. Specification No. KBS4.6.3. do with TMT bars Fe500 Basic Rate Maintenance for 4th Year: KSRB M300-Construction of 16% Add 10% For area weightage (Mangalore City) Maintenance for 4th Year: KSRRB M300-Construction of Subgrade. KSRRB M300-55. Constimaterial Gravel/Murrum with all lifts & leads, transporting to site, specompacted to meet requirement of Table No. 300-2 complete as per watering charges & compaction by vibratory rollercompaction by v	cluding or welding ssary com materials,la Rate ruction of so preading, g er specifica bratory roll	42.08 30.51 335.59 wherever require plete as per designation abour,HOM of material 70782 11325.12 8210.71 90317.83 sub-grade with approximations (including er to 97% of procession 513	ed,tying with gn achinary MT oproved od slope and cost of eart		
	Maintenance- 4th year escalation of 16% Add 10% For area weightage (Mangalore City) Maintenance for 4th Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work incompletion, apping and/binding wire and anchoring to thr adjoing members wherever necess (laps, hooks and wastage shall not be measured and paid) cost of r complete as per specifications. Specification No. KBS4.6.3. do with TMT bars Fe500 Basic Rate Maintenance for 4th Year: KSRRB M300-Construction of 16% Add 10% For area weightage (Mangalore City) Maintenance for 4th Year: KSRRB M300-Construction of Subgrade. KSRRB M300-55. Construction area weightage (Mangalore City) Maintenance for 4th Year: KSRRB M300-Construction of Subgrade. KSRRB M300-55. Construction of Subgrade. KSRRB M300-55. Construction of Subgrade. KSRRB M300-55. Construction by vibratory rollercompaction by vil MORTH Specification No. 305 Basic Rate Maintenance 4th year escalation of 16% Add 20km lead (17.4 KSRRB M100-4.1-Cost of haulage excluding	cluding or welding ssary com materials,la Rate ruction of so preading, g er specifica bratory roll	42.08 30.51 335.59 wherever require plete as per designation abour,HOM of material 70782 11325.12 8210.71 90317.83 sub-grade with approximations (including er to 97% of procession 513	ed,tying with gn achinary MT oproved od slope and cost of eart		
	Maintenance- 4th year escalation of 16% Add 10% For area weightage (Mangalore City) Maintenance for 4th Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work incompletion, apping and/binding wire and anchoring to thr adjoing members wherever necess (laps, hooks and wastage shall not be measured and paid) cost of r complete as per specifications. Specification No. KBS4.6.3. do with TMT bars Fe500 Basic Rate Maintenance for 4th Year: KSRRB M300-Construction of 16% Add 10% For area weightage (Mangalore City) Maintenance for 4th Year: KSRRB M300-Construction of Subgrade. KSRRB M300-55. Construction of Subgrade. KSRRB M300-55. Construction of Subgrade. KSRRB M300-55. Construction by vibratory rollercompaction by vil MORTH Specification No. 305 Basic Rate Maintenance - 4th year escalation of 16% Add 20km lead (17.4 KSRRB M100-4.1-Cost of haulage excluding loading and unloading MORTH-100/Chapter 1-case 1-Surface	cluding or welding ssary com materials,la Rate ruction of so preading, g er specifica bratory roll	42.08 30.51 335.59 wherever require plete as per designation abour,HOM of material 70782 11325.12 8210.71 90317.83 sub-grade with approximations (including er to 97% of procession 513	ed,tying with gn achinary MT oproved od slope and cost of eart		
	Maintenance- 4th year escalation of 16% Add 10% For area weightage (Mangalore City) Maintenance for 4th Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work incompletion, apping and/binding wire and anchoring to thr adjoing members wherever necess (laps, hooks and wastage shall not be measured and paid) cost of r complete as per specifications. Specification No. KBS4.6.3. do with TMT bars Fe500 Basic Rate Maintenance for 4th Year: KSRRB M300-Construction of 16% Add 10% For area weightage (Mangalore City) Maintenance for 4th Year: KSRRB M300-Construction of Subgrade. KSRRB M300-55. Construction area weightage (Mangalore City) Maintenance for 4th Year: KSRRB M300-Construction of Subgrade. KSRRB M300-55. Construction of Subgrade. KSRRB M300-55. Construction of Subgrade. KSRRB M300-55. Construction by vibratory rollercompaction by vil MORTH Specification No. 305 Basic Rate Maintenance 4th year escalation of 16% Add 20km lead (17.4 KSRRB M100-4.1-Cost of haulage excluding	cluding or welding ssary com materials,la Rate ruction of so preading, g er specifica bratory roll	42.08 30.51 335.59 wherever require plete as per designation abour,HOM of main 70782 11325.12 8210.71 90317.83 sub-grade with apprecisions (including er to 97% of procession) 513 82.08	ed,tying with gn achinary MT oproved od slope and cost of eart		
	Maintenance- 4th year escalation of 16% Add 10% For area weightage (Mangalore City) Maintenance for 4th Year: KSRB 4.9.2 :Providing T.M.T steel reinforcement for RCC work inc straighting,cutting,bending,hooking,placing in position,lapping and/ binding wire and anchoring to thr adjoing members wherever neces (laps,hooks and wastage shall not be measured and paid) cost of r complete as per specifications.Specification No. KBS4.6.3. do with TMT bars Fe500 Basic Rate Maintenance- 4th year escalation of 16% Add 10% For area weightage (Mangalore City) Maintenance for 4th Year: KSRRB M300-Construction of Subgrade. KSRRB M300-55. Constr material Gravel/Murrum with all lifts & leads, transporting to site, sp compacted to meet requirement of Table No. 300-2 complete as per watering charges & compaction by vibratory rollercompaction by vil MORTH Specification No. 305 Basic Rate Maintenance- 4th year escalation of 16% Add 20km lead (17.4 KSRRB M100-4.1-Cost of haulage excluding loading and unloading MORTH-100/Chapter 1-case 1-Surface Road)=2.5 Rs/ Tkm x 1.28 T x 20km	cluding or welding ssary com materials,la Rate ruction of so preading, g er specifica bratory roll	42.08 30.51 335.59 wherever require plete as per designation abour,HOM of material 70782 11325.12 8210.71 90317.83 sub-grade with approximations (including er to 97% of procession 513 82.08 51.2	ed,tying with gn achinary MT oproved od slope and cost of eart		

	Maintenance for 4th Year:			
	KSRRB M600-1. Construction of dry lean cement concrete			
	@160Kgs,with 25mm and down size graded granite/trap/basalt r fine aggregate @ 0.58cum Sub-base over prepared sub grade wi			
	to IS:383) aggregate cement ration not to excee 15:1. Aggregate	•	••	-
15	Table 600-1, cement content to be determined during trail length	-		•
	less than 10Mpa at 7 days, mixed in a batching plant, transported			
	sensor, compacting with 8-10 tonnes double drum vibratory roll		•	
	specifications.Morth specification No.601		g and banng b	
	(Page No 176,SI No : 22.1)			
	Basic Rate		4048	
	Maintenance- 4th year escalation of 16%		647.68	
	Add 10% For area weightage (Mangalore City)		469.57	
		Rate	5165.25	Cum
	Maintenance for 4th Year:	mix M1		
	KSRRB M600-1.Construction of dry lean cement concrete			
	@160Kgs,with 25mm and down size graded granite/trap/basalt		•• •	
	fine aggregate @ 0.58cum Sub-base over prepared sub grade wi			
16	to IS:383) aggregate cement ration not to excee 15:1. Aggregate	•		•
	Table 600-1, cement content to be determined during trail length			•
	less than 10Mpa at 7 days, mixed in a batching plant, transported t		•	• •
	palte compactor, finishing and curing complete as per specification	s.Morth s	pecification No.6	601
	(RA attached)			
	Basic Rate		3680	
	Maintenance- 4th year escalation of 16%		588.8	
	Add 10% For area weightage (Mangalore City)		426.88	
	Add 10 % For area weightage (Marigalore City)	Data		
		Rate	4695.68	Cum
		Rate	4695.68	Cum
	Maintenance for 4th Year:	Rate	4695.68	Cum
	Maintenance for 4th Year: KSSRRB M600-2.Construction of unreinforced,dowel jointed,pla			
		ain ceme	nt concrete pa	vement over
	KSSRRB M600-2. Construction of unreinforced, dowel jointed, pla	ain ceme al coarse	nt concrete par aggregate with	vement over superplastisiz
	KSSRRB M600-2.Construction of unreinforced,dowel jointed,pla prepared sub base with 25mm and down size graded granite meta at 3 lts confirming to IS9103-1999 reaffirmed 2008(Coarse and fin	ain ceme al coarse e aggrega	nt concrete par aggregate with a ate conforming to	vement over superplastisiz o IS:383) mix
	KSSRRB M600-2.Construction of unreinforced,dowel jointed,pla prepared sub base with 25mm and down size graded granite meta at 3 lts confirming to IS9103-1999 reaffirmed 2008(Coarse and fin in a batching and mixing plant as per approved mix design,transp	ain ceme al coarse e aggrega ported to s	nt concrete par aggregate with ate conforming to site,laid with a fi	vement over superplastisiz o IS:383) mix ixed form pav
17	KSSRRB M600-2.Construction of unreinforced,dowel jointed,pla prepared sub base with 25mm and down size graded granite meta at 3 lts confirming to IS9103-1999 reaffirmed 2008(Coarse and fin in a batching and mixing plant as per approved mix design,transp spread,compacted and finished in a continuos operation include	ain ceme al coarse e aggrega ported to s ding prov	nt concrete par aggregate with ate conforming to site,laid with a fi ision of contrac	vement over superplastisiz o IS:383) mix ixed form pav ction, expans
17	KSSRRB M600-2.Construction of unreinforced,dowel jointed,pla prepared sub base with 25mm and down size graded granite meta at 3 lts confirming to IS9103-1999 reaffirmed 2008(Coarse and fin in a batching and mixing plant as per approved mix design,transp spread,compacted and finished in a continuos operation inclue construction and longitudinal joints,including groove cutting chr	ain ceme al coarse e aggrega ported to s ding provi ges, joint	nt concrete par aggregate with ate conforming to site,laid with a fi ision of contrac s filler,separatic	vement over superplastisiz o IS:383) mix ixed form pav ction, expans on memberar
17	KSSRRB M600-2.Construction of unreinforced,dowel jointed,pla prepared sub base with 25mm and down size graded granite meta at 3 lts confirming to IS9103-1999 reaffirmed 2008(Coarse and fin in a batching and mixing plant as per approved mix design,transp spread,compacted and finished in a continuos operation includ construction and longitudinal joints,including groove cutting chr sealent primer, joints sealant, debonding strip, dowel bars at	ain ceme al coarse e aggrega ported to s ding provi ges, joint 4.5m int	nt concrete par aggregate with ate conforming to site,laid with a fi ision of contrac s filler,separatic ervals, tie rod,	vement over superplastisiz o IS:383) mixed ixed form pav ction, expans on memberar admixtures
17	KSSRRB M600-2.Construction of unreinforced,dowel jointed,pla prepared sub base with 25mm and down size graded granite meta at 3 lts confirming to IS9103-1999 reaffirmed 2008(Coarse and fin in a batching and mixing plant as per approved mix design,transp spread,compacted and finished in a continuos operation includ construction and longitudinal joints,including groove cutting chr sealent primer, joints sealant, debonding strip, dowel bars at approved, curing compound,finishing to lines and grades as per	ain ceme al coarse e aggrega oorted to s ding provi ges, joint 4.5m int	nt concrete par aggregate with ate conforming to site, laid with a fi ision of contrac s filler, separatic ervals, tie rod, complete as pe	vement over superplastisiz o IS:383) mixe ixed form pav ction, expans on memberar admixtures er sprcificatio
17	KSSRRB M600-2.Construction of unreinforced,dowel jointed,pla prepared sub base with 25mm and down size graded granite meta at 3 lts confirming to IS9103-1999 reaffirmed 2008(Coarse and fin in a batching and mixing plant as per approved mix design,transp spread,compacted and finished in a continuos operation include construction and longitudinal joints,including groove cutting chr sealent primer, joints sealant, debonding strip, dowel bars at approved, curing compound,finishing to lines and grades as per MORTH specification No.602.do with M40 (420Kg per cum Cemer	ain ceme al coarse e aggrega oorted to s ding provi ges, joint 4.5m int	nt concrete par aggregate with ate conforming to site, laid with a fi ision of contrac s filler, separatic ervals, tie rod, complete as pe	vement over superplastisiz o IS:383) mixe ixed form pav ction, expansion memberan admixtures er sprcification
17	KSSRRB M600-2.Construction of unreinforced,dowel jointed,pla prepared sub base with 25mm and down size graded granite meta at 3 lts confirming to IS9103-1999 reaffirmed 2008(Coarse and fin in a batching and mixing plant as per approved mix design,transp spread,compacted and finished in a continuos operation includ construction and longitudinal joints,including groove cutting chr sealent primer, joints sealant, debonding strip, dowel bars at approved, curing compound,finishing to lines and grades as per	ain ceme al coarse e aggrega oorted to s ding provi ges, joint 4.5m int	nt concrete par aggregate with ate conforming to site, laid with a fi ision of contrac s filler, separatic ervals, tie rod, complete as pe	vement over superplastisiz o IS:383) mixe ixed form pav ction, expans on memberar admixtures er sprcificatio
17	KSSRRB M600-2.Construction of unreinforced,dowel jointed,pla prepared sub base with 25mm and down size graded granite meta at 3 lts confirming to IS9103-1999 reaffirmed 2008(Coarse and fin in a batching and mixing plant as per approved mix design,transp spread,compacted and finished in a continuos operation include construction and longitudinal joints,including groove cutting chr sealent primer, joints sealant, debonding strip, dowel bars at approved, curing compound,finishing to lines and grades as per MORTH specification No.602.do with M40 (420Kg per cum Cemer	ain ceme al coarse e aggrega oorted to s ding provi ges, joint 4.5m int	nt concrete par aggregate with ate conforming to site, laid with a fi ision of contrac s filler, separatic ervals, tie rod, complete as pe	vement over superplastisiz o IS:383) mixe ixed form pav ction, expansion memberan admixtures a er sprcification
17	KSSRRB M600-2.Construction of unreinforced,dowel jointed,pla prepared sub base with 25mm and down size graded granite meta at 3 lts confirming to IS9103-1999 reaffirmed 2008(Coarse and fin in a batching and mixing plant as per approved mix design,transp spread,compacted and finished in a continuos operation include construction and longitudinal joints,including groove cutting chr sealent primer, joints sealant, debonding strip, dowel bars at approved, curing compound,finishing to lines and grades as per MORTH specification No.602.do with M40 (420Kg per cum Cemer (Page No 176,SI No : 22.2.2) Basic Rate Maintenance- 4th year escalation of 16%	ain ceme al coarse e aggrega oorted to s ding provi ges, joint 4.5m int	nt concrete par aggregate with ate conforming to site,laid with a fi ision of contract s filler,separatic ervals, tie rod, complete as pe 7 cum F.A.044C 5765 922.4	vement over superplastisiz o IS:383) mixe ixed form pav ction, expansion memberan admixtures a er sprcification
17	KSSRRB M600-2.Construction of unreinforced,dowel jointed,pla prepared sub base with 25mm and down size graded granite meta at 3 lts confirming to IS9103-1999 reaffirmed 2008(Coarse and fin in a batching and mixing plant as per approved mix design,transp spread,compacted and finished in a continuos operation includ construction and longitudinal joints,including groove cutting chr sealent primer, joints sealant, debonding strip, dowel bars at approved, curing compound,finishing to lines and grades as per MORTH specification No.602.do with M40 (420Kg per cum Cemer (Page No 176,SI No : 22.2.2) Basic Rate	ain ceme al coarse e aggrega borted to s ding provi ges, joint 4.5m int drawing ht,C.A,0.6	nt concrete par aggregate with ate conforming to site,laid with a fi ision of contrac s filler,separatic ervals, tie rod, complete as pe 7 cum F.A.044C 5765 922.4 802.49	vement over superplastisiz o IS:383) mixe ixed form pav ction, expansi on memberan admixtures a er sprcification cum
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	Operation & Maintenance for 4th Year:			
	KSRRB 3000 Repair of Joint Grooves with Epoxy Mortar			
	KSRRB M3000-8 Repairs of spalled joints grooves of contraction	n icinta lor	aditudinal iainta a	nd ovnonoi
19				
10	joints in concrete pavement using epoxy mortar concrete	complete	as per specif	ications.wo
	specification No.3005.1			
	(Page No 257,SI No : 35.8)			
	Basic Rate		331	
	Maintenance- 4th year escalation of 16%		52.96	
	Add 10% For area weightage (Mangalore City)		38.4	
		Dete	422.36	Direct
		Rate	422.30	Rmt
	Maintenance for 4th Year:			
	Providing and laying at or near ground level factory made kerb			
	position to the required line, level and curvature, jointed with cem			
	including making joints with or without grooves (thickness of joint			
~~	than 5mm), including making drainage opening wherever req	luired com	plete etc. as pe	er direction
20	Engineer-in-charge (length of finished kerb edging shall be measured	ured for pay	yment).	
	(Precast C.C. kerb stone shall be approved by Engineer-in-charge	e).		
	(RA Attached)			
	Dete Amined es ver Dete exclusio			
	Rate Arrived as per Rate analysis		47700.00	
	Basic Rate	_	17708.82	
	Maintenance- 4th year escalation of 16%		2833.41	
	Add 10% For area weightage (Mangalore City)		2054.22	
		Rate	22596.45	Cum
21	Maintenance for 4th Year: Providin and fixing pre cast solid concrete Kerb stones as per Jointed with CM 1:3 and finishing cutting, including cost machinery,loading,unloading,lead and lift,transportation etc.,comp	the drawir of all ma	22596.45	CC 1:2:4 a
21	Maintenance for 4th Year: Providin and fixing pre cast solid concrete Kerb stones as per Jointed with CM 1:3 and finishing cutting, including cost	the drawir of all ma	22596.45	CC 1:2:4 a
21	Maintenance for 4th Year: Providin and fixing pre cast solid concrete Kerb stones as per Jointed with CM 1:3 and finishing cutting, including cost machinery,loading,unloading,lead and lift,transportation etc.,comp (Page No 25,SI No : 5.3)	the drawir of all ma	22596.45 ng,made out of aterials,labour,hire	CC 1:2:4 a
21	Maintenance for 4th Year: Providin and fixing pre cast solid concrete Kerb stones as per Jointed with CM 1:3 and finishing cutting, including cost machinery,loading,unloading,lead and lift,transportation etc.,comp (Page No 25,SI No : 5.3) Basic rate	the drawir of all ma	22596.45 ng,made out of aterials,labour,hire	CC 1:2:4 a
21	Maintenance for 4th Year: Providin and fixing pre cast solid concrete Kerb stones as per Jointed with CM 1:3 and finishing cutting, including cost machinery,loading,unloading,lead and lift,transportation etc.,comp (Page No 25,Sl No : 5.3) Basic rate Maintenance- 4th year escalation of 16%	the drawir of all ma	22596.45 ng,made out of aterials,labour,hire 15481.61 2477.06	CC 1:2:4 a
21	Maintenance for 4th Year: Providin and fixing pre cast solid concrete Kerb stones as per Jointed with CM 1:3 and finishing cutting, including cost machinery,loading,unloading,lead and lift,transportation etc.,comp (Page No 25,SI No : 5.3) Basic rate	the drawir of all ma blete	22596.45 ng,made out of aterials,labour,hire 15481.61 2477.06 2155.04	CC 1:2:4 a
21	Maintenance for 4th Year: Providin and fixing pre cast solid concrete Kerb stones as per Jointed with CM 1:3 and finishing cutting, including cost machinery,loading,unloading,lead and lift,transportation etc.,comp (Page No 25,Sl No : 5.3) Basic rate Maintenance- 4th year escalation of 16%	the drawir of all ma	22596.45 ng,made out of aterials,labour,hire 15481.61 2477.06	CC 1:2:4 a
21	Maintenance for 4th Year: Providin and fixing pre cast solid concrete Kerb stones as per Jointed with CM 1:3 and finishing cutting, including cost machinery,loading,unloading,lead and lift,transportation etc.,comp (Page No 25,Sl No : 5.3) Basic rate Maintenance- 4th year escalation of 16% Add 12% For area weightage	the drawir of all ma blete	22596.45 ng,made out of aterials,labour,hire 15481.61 2477.06 2155.04	CC 1:2:4 a e charges
21	Maintenance for 4th Year: Providin and fixing pre cast solid concrete Kerb stones as per Jointed with CM 1:3 and finishing cutting, including cost machinery,loading,unloading,lead and lift,transportation etc.,comp (Page No 25,SI No : 5.3) Basic rate Maintenance- 4th year escalation of 16% Add 12% For area weightage Maintenance for 4th Year:	the drawir of all ma blete Rate	22596.45 ng,made out of aterials,labour,hire 15481.61 2477.06 2155.04 20113.71	CC 1:2:4 a e charges Cum
21	Maintenance for 4th Year: Providin and fixing pre cast solid concrete Kerb stones as per Jointed with CM 1:3 and finishing cutting, including cost machinery,loading,unloading,lead and lift,transportation etc.,comp (Page No 25,Sl No : 5.3) Basic rate Maintenance- 4th year escalation of 16% Add 12% For area weightage Maintenance for 4th Year: Providin and fixing pre cast solid concrete water table(longitudin	the drawir of all ma blete Rate al gutter) a	22596.45 ng,made out of aterials,labour,hire 15481.61 2477.06 2155.04 20113.71 as per the drawing	CC 1:2:4 a e charges Cum g,made out
21	Maintenance for 4th Year: Providin and fixing pre cast solid concrete Kerb stones as per Jointed with CM 1:3 and finishing cutting, including cost machinery,loading,unloading,lead and lift,transportation etc.,comp (Page No 25,Sl No : 5.3) Basic rate Maintenance- 4th year escalation of 16% Add 12% For area weightage Maintenance for 4th Year: Providin and fixing pre cast solid concrete water table(longitudin CC 1:2:4 and jointed with CM 1:3 and finishing cutting, including	the drawir of all ma blete Rate al gutter) a cost of all r	22596.45 ng,made out of aterials,labour,hire 15481.61 2477.06 2155.04 20113.71 as per the drawing	CC 1:2:4 a e charges Cum g,made out
	Maintenance for 4th Year: Providin and fixing pre cast solid concrete Kerb stones as per Jointed with CM 1:3 and finishing cutting, including cost machinery,loading,unloading,lead and lift,transportation etc.,comp (Page No 25,Sl No : 5.3) Basic rate Maintenance- 4th year escalation of 16% Add 12% For area weightage Maintenance for 4th Year: Providin and fixing pre cast solid concrete water table(longitudin CC 1:2:4 and jointed with CM 1:3 and finishing cutting, including machinery,loading,unloading,lead and lift,transportation etc.,comp	the drawir of all ma blete Rate al gutter) a cost of all r	22596.45 ng,made out of aterials,labour,hire 15481.61 2477.06 2155.04 20113.71 as per the drawing	CC 1:2:4 a e charges Cum g,made out
	Maintenance for 4th Year: Providin and fixing pre cast solid concrete Kerb stones as per Jointed with CM 1:3 and finishing cutting, including cost machinery,loading,unloading,lead and lift,transportation etc.,comp (Page No 25,Sl No : 5.3) Basic rate Maintenance- 4th year escalation of 16% Add 12% For area weightage Maintenance for 4th Year: Providin and fixing pre cast solid concrete water table(longitudin CC 1:2:4 and jointed with CM 1:3 and finishing cutting, including	the drawir of all ma blete Rate al gutter) a cost of all r	22596.45 ng,made out of aterials,labour,hire 15481.61 2477.06 2155.04 20113.71 as per the drawing	CC 1:2:4 a e charges Cum g,made out
	Maintenance for 4th Year: Providin and fixing pre cast solid concrete Kerb stones as per Jointed with CM 1:3 and finishing cutting, including cost machinery,loading,unloading,lead and lift,transportation etc.,comp (Page No 25,SI No : 5.3) Basic rate Maintenance- 4th year escalation of 16% Add 12% For area weightage Maintenance for 4th Year: Providin and fixing pre cast solid concrete water table(longitudin CC 1:2:4 and jointed with CM 1:3 and finishing cutting, including machinery,loading,unloading,lead and lift,transportation etc.,comp (Page No 25,SI No : 5.3)	the drawir of all ma blete Rate al gutter) a cost of all r	22596.45 ng,made out of aterials,labour,hire 15481.61 2477.06 2155.04 20113.71 as per the drawing materials,labour,h	CC 1:2:4 a e charges Cum g,made out
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	Maintenance for 4th Year: Providin and fixing pre cast solid concrete Kerb stones as per Jointed with CM 1:3 and finishing cutting, including cost machinery,loading,unloading,lead and lift,transportation etc.,comp (Page No 25,Sl No : 5.3) Basic rate Maintenance- 4th year escalation of 16% Add 12% For area weightage Maintenance for 4th Year: Providin and fixing pre cast solid concrete water table(longitudin CC 1:2:4 and jointed with CM 1:3 and finishing cutting, including machinery,loading,unloading,lead and lift,transportation etc.,comp (Page No 25,Sl No : 5.3) Basic rate Maintenance for 4th Year: Providin and fixing pre cast solid concrete water table(longitudin CC 1:2:4 and jointed with CM 1:3 and finishing cutting, including machinery,loading,unloading,lead and lift,transportation etc.,comp (Page No 25,Sl No : 5.3) Basic rate Maintenance- 4th year escalation of 16%	the drawir of all ma blete Rate al gutter) a cost of all r	22596.45 ng,made out of aterials,labour,hire 15481.61 2477.06 2155.04 20113.71 as per the drawing materials,labour,h	CC 1:2:4 a e charges Cum g,made out
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Basic Rate Maintenance- 4th year escalation of 16% Add 12% on Labor Charges=Rs.47,For area weightage (Mangalore City)	Rate	297 47.52 4.7 349.22	Rm
Maintenance- 4th year escalation of 16% Add 12% on Labor Charges=Rs.47,For area weightage		47.52	
Maintenance- 4th year escalation of 16%			
		007	
jointing materials, testing apparatus and water for testi g etc No.41, Item No.7, KUWSDB SOR 2016-17)	as directed by t	-	charge (pa
Maintenance for 4th Year:	. 1	I	
		ľ	
	Rate	6978.64	Nos.
Maintenance- 4th year escalation of 16%		886.18	
Fixing Charges @5%		553.86	
Sub Total		5538.6	
Discount 30%		-2373.68	
Basic Rate		7912.28	
As per Quotation			
(Rate analysis attached)			
P/F FRP Water gully cover with frame (25T) 600mmx500 mm	n at level footpatl	h.	
Maintenance for 4th Year:	II	I	
		0001.00	1105.
IVIAIIIIEIIAIIUE 411 YEAI ESCAIAIIUII UI 10%	Pata		Nos.
		7170.00	
(Rate analysis attached)	raised footpath	on SWD.	
	Rate	9493.85	Nos.
Maintenance- 4th year escalation of 16%		1205.57	
Fixing Charges @5%		753.48	
		7534.8	
		10764	
As per Quotation			
	n Manhole for el	ectrical ducting.	
Maintonanaa far 4th Yaar:			
	Rate	102.08	Sqm
Add 12% For area weightage (Mangalore City)		9.28	
Maintenance- 4th year escalation of 16%		12.8	
Basic Rate		80	
(Page No 182,SI No : 24.1)			
Chapter 8	,		
	synthetic ename	el paint in approv	/ed shades
Maintenance for 4th Year:			
	KSRRB 800-1. Painting two coats after filling the surface with on new plastered concrete surfaces, with materials, labour co Chapter 8 (Page No 182,SI No : 24.1) Basic Rate Maintenance- 4th year escalation of 16% Add 12% For area weightage (Mangalore City) Maintenance for 4th Year: P/F FRP Recess Cover (2.5T) 900mmx600 mm with frame o As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5% Maintenance for 4th Year: P/F FRP Recess Cover (2.5T) 600mmx450 mm with frame at (Rate analysis attached) As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5% Maintenance for 4th Year: P/F FRP Recess Cover (2.5T) 600mmx450 mm with frame at (Rate analysis attached) As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5% Maintenance for 4th Year: P/F FRP Water gully cover with frame (25T) 600mmx500 mm (Rate analysis attached) As per Quotation Basic Rate Discount 30% Sub Total Fixing Charges @5% Maintenance 4th year escalation of 16% Maintenance 4th year escalation of 16%	KSRRB 800-1. Painting two coats after filling the surface with synthetic ename on new plastered concrete surfaces, with materials, labour complete as per sp Chapter 8 (Page No 182,SI No : 24.1) Basic Rate Image: Complete as per sp Chapter 8 (Page No 182,SI No : 24.1) Basic Rate Image: Complete as per sp Chapter 8 (Page No 182,SI No : 24.1) Basic Rate Image: Complete as per sp Chapter 8 (Page No 182,SI No : 24.1) Maintenance 4th year escalation of 16% Image: Complete as per sp Chapter 8 (P/F FRP Recess Cover (2.5T) 900mmx600 mm with frame on Manhole for ele As per Quotation Basic Rate Image: Complete as per sp Chapter 8 (Page No 182,SI No : 24.5T) 900mmx600 mm with frame on Manhole for ele As per Quotation Basic Rate Image: Complete as per sp Chapter 8 (Page No 182,SI No : 25T) 600mmx450 mm with frame at raised footpath of (Rate analysis attached) As per Quotation Image: Complete as per sp Discount 30% Sub Total Image: Complete as per sp Chapter 8 (P/F FRP Water guily cover with frame (25T) 600mmx500 mm at level footpath (Rate analysis attached) As per Quotation Image: Complete as per sp Charges @5% Maintenance for 4th Year: Image: Complete as per sp Charges 8 (Sim Total Fixing Charges @5% Image: Complete as per sp Charges 8 (Sim Total Fixing Charges @5% Image: Complete as per sp Charges 8 (Sim Total Fixing Charges @5% Image: Complete as per complete as per	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approv on new plastered concrete surfaces, with materials, labour complete as per specifications. MC Chapter 8 (Page No 182,SI No : 24.1) Basic Rate 80 Maintenance- 4th year escalation of 16% 12.8 Add 12% For area weightage (Mangalore City) 9.28 Maintenance for 4th Year: P/F FRP Recess Cover (2.5T) 900mmx600 mm with frame on Manhole for electrical ducting. As per Quotation Basic Rate 10764 Discount 30% 2-3229.2 Sub Total 7534.8 Fixing Charges @5% 753.48 Maintenance for 4th Year: P/F FRP Recess Cover (2.5T) 600mmx450 mm with frame at raised footpath on SWD. (Rate analysis attached) As per Quotation Basic Rate 7179.00 Discount 30% 2-2153.7 Sub Total 86.18 Discount 30% 2-2153.86 Discount

	Maintenance for 4th Year:			
	KSRB 11-18-17.1 : Providing and fixing sand cast iron trap of 100r			
~ ~	screwed down or hinged grating with or without vent arm including	cutting ar	nd making good th	ne walls and
29	floors, cost of materials, labour, testing, complete as per specificat	ions Spec	cification No. KBS	11.1.10.
	(PWD SR 2015-16, P.No.86, SI.No.12.89)			
	Dania Data		000	
	Basic Rate		830	
	Maintenance- 4th year escalation of 16%		132.8	
	Add 12% For area weightage (Mangalore City)		96.28	
		Rate	1059.08	Nos.
	Maintenance for 4th Year:		- Contract the state of the sta	(
	KSRRB M800-29.3.Cable Duct Across the road KSRRB M800-29		• • •	
	cement concrete pipe duct, 300 mm dia, across the road (new co			
	in cuts and toe of slope to toe of slope in fills, constructing head wa			
	of granular material over top and sides of RCC pipe as per IRC:98	8-1997, b	edded on a 0.3 m	thick layer
30	granular material free of rock pieces, outer to outer distance of	pipe at le	east half dia of p	ipe subject
00	minimum450 mm in case of double and triple row ducts, joints to b			
	be above higher than ground level to prevent entry of water a			
	approved drawings complete as per specifications. Case-III :Tripl			
	(PWD SR 2015-16,SI.No.24.36)			65.
	(PWD SR 2015 - 10, SI. NO. 24.30)			
	Basic Rate		5022	
	Basic Rate Maintenance- 4th year escalation of 16%		5022 803.52	
	Maintenance- 4th year escalation of 16%		803.52	
		Rate	803.52 582.55	Rm
	Maintenance- 4th year escalation of 16% Add 12% For area weightage (Mangalore City) Maintenance for 4th Year:	Rate	803.52 582.55 6408.07	Rm
31	Maintenance- 4th year escalation of 16% Add 12% For area weightage (Mangalore City) Maintenance for 4th Year: Providing and laying Dia 225 mm HDPE Electrical pipe Conduits ribs, dimensional ratio of 13.5,Deflection not greater than 5%	s with Sili when exp	803.52 582.55 6408.07 icore Lubricant in posed to the nor	ner layer wi mal operatir
31	Maintenance- 4th year escalation of 16% Add 12% For area weightage (Mangalore City) Maintenance for 4th Year: Providing and laying Dia 225 mm HDPE Electrical pipe Conduits	s with Sili when exp ther phys	803.52 582.55 6408.07 icore Lubricant in posed to the nori sical properties c	ner layer wi mal operatir omforming
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31	Maintenance- 4th year escalation of 16% Add 12% For area weightage (Mangalore City) Maintenance for 4th Year: Providing and laying Dia 225 mm HDPE Electrical pipe Conduits ribs, dimensional ratio of 13.5,Deflection not greater than 5% temparature 90°C under the over burden soil presuure and o ASTMF 2160 and /or NEMA TC7.The expected service life of HE not be less than 50 years. (Market Rate)	s with Sili when exp ther phys	803.52 582.55 6408.07 icore Lubricant in posed to the norm sical properties c conduits and acc	ner layer wi mal operatii omforming
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31	Maintenance- 4th year escalation of 16% Add 12% For area weightage (Mangalore City) Maintenance for 4th Year: Providing and laying Dia 225 mm HDPE Electrical pipe Conduits ribs, dimensional ratio of 13.5,Deflection not greater than 5% temparature 90°C under the over burden soil presuure and o ASTMF 2160 and /or NEMA TC7.The expected service life of HE not be less than 50 years. (Market Rate) Basic Rate Labour Cost for laying and Jointing-KUWSDB,HDPE Pipes,Item No.50,Pg.No.123) Add 12% For area weightage (Mangalore City)	s with Sili when exp ther phys DPE pipe	803.52 582.55 6408.07 icore Lubricant in posed to the norm sical properties c conduits and acc 1886 78 7.8 7.8 1971.8 315.49	ner layer wi mal operatir omforming essories sha
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31	Maintenance- 4th year escalation of 16% Add 12% For area weightage (Mangalore City) Maintenance for 4th Year: Providing and laying Dia 225 mm HDPE Electrical pipe Conduits ribs, dimensional ratio of 13.5,Deflection not greater than 5% y temparature 90°C under the over burden soil presuure and o ASTMF 2160 and /or NEMA TC7.The expected service life of HE not be less than 50 years. (Market Rate) Basic Rate Labour Cost for laying and Jointing-KUWSDB,HDPE Pipes,Item No.50,Pg.No.123) Add 12% For area weightage (Mangalore City) Sub Total Maintenance- 4th year escalation of 16% Maintenance for 4th Year:	s with Sili when exp ther phys DPE pipe	803.52 582.55 6408.07 icore Lubricant in bosed to the nonsical properties c conduits and acc 1886 78 1971.8 315.49 2287.29	ner layer wi mal operatin omforming eessories sh
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	Maintenance- 4th year escalation of 16% Add 12% For area weightage (Mangalore City) Maintenance for 4th Year: Providing and laying Dia 225 mm HDPE Electrical pipe Conduits ribs, dimensional ratio of 13.5,Deflection not greater than 5% temparature 90°C under the over burden soil presuure and o ASTMF 2160 and /or NEMA TC7.The expected service life of HE not be less than 50 years. (Market Rate) Basic Rate Labour Cost for laying and Jointing-KUWSDB,HDPE Pipes,Item No.50,Pg.No.123) Add 12% For area weightage (Mangalore City) Sub Total Maintenance- 4th year escalation of 16% Maintenance for 4th Year: Providing and laying Dia 160mm HDPE Electrical pipe Conduits w dimensional ratio of 13.5,Deflection not greater than 5% wf temparature 90°C under the over burden soil presuure and o ASTMF 2160 and /or NEMA TC7.The expected service life of HE not be less than 50 years.(Market Rate) Basic Rate Labour Cost for laying and Jointing-KUWSDB,HDPE Pipes,Item No.50,Pg.No.123) Add 12% For area weightage (Mangalore City) Sub Total Basic Rate Labour Cost for laying and Jointing-KUWSDB,HDPE Pipes,Item No.50,Pg.No.123) Add 12% For area weightage (Mangalore City) Sub Total	s with Sili when exp ther phys DPE pipe Rate Rate	803.52 582.55 6408.07 icore Lubricant in posed to the norm sical properties c conduits and acc 1886 78 7.8 1971.8 315.49 2287.29 e Lubricant inner I psed to the norm sical properties c conduits and acc 996.3 66 1068.9	ner layer wi mal operatin omforming eessories sha essories sha Rm ayer with rib mal operatin omforming

37	Providing and laying heavy duty cobble stones 75mm thick, manufacture of blocks of approved size, shape and colour with a n per sqm over 30mm thick sand bed (average thickness) and com compaction force thereby forcing part of sand underneath to come paver surface joints into its final level, including cost of mate complete as per specifications. (Page No 101,SI No : 14.7) Basic rate Maintenance- 4th year escalation of 16% Add 10% For area weightage (Mangalore City)	ninimum pacting v up in bet	compressive strer with plate vibrator ween joints, final	ngth of 281 ł having 3 tor compaction
37	Providing and laying heavy duty cobble stones 75mm thick, manufacture of blocks of approved size, shape and colour with a m per sqm over 30mm thick sand bed (average thickness) and com compaction force thereby forcing part of sand underneath to come paver surface joints into its final level, including cost of mate complete as per specifications. (Page No 101,SI No : 14.7) Basic rate Maintenance- 4th year escalation of 16%	ninimum pacting v up in bet	compressive strer with plate vibrator ween joints, final our and HOM of 1114 178.24	ngth of 281 ł having 3 tor compaction
37	Providing and laying heavy duty cobble stones 75mm thick, manufacture of blocks of approved size, shape and colour with a n per sqm over 30mm thick sand bed (average thickness) and com compaction force thereby forcing part of sand underneath to come paver surface joints into its final level, including cost of mate complete as per specifications. (Page No 101,SI No : 14.7) Basic rate	ninimum pacting v up in bet	compressive strer with plate vibrator ween joints, final our and HOM of 1114	ngth of 281 ł having 3 tor compaction
37	Providing and laying heavy duty cobble stones 75mm thick, manufacture of blocks of approved size, shape and colour with a n per sqm over 30mm thick sand bed (average thickness) and com compaction force thereby forcing part of sand underneath to come paver surface joints into its final level, including cost of mate complete as per specifications. (Page No 101,SI No : 14.7)	ninimum pacting v up in bet	compressive strer with plate vibrator ween joints, final our and HOM of	ngth of 281 ł having 3 tor compaction
37	Providing and laying heavy duty cobble stones 75mm thick, manufacture of blocks of approved size, shape and colour with a n per sqm over 30mm thick sand bed (average thickness) and com compaction force thereby forcing part of sand underneath to come paver surface joints into its final level, including cost of mate	ninimum pacting v up in bet	compressive strer with plate vibrator ween joints, final	ngth of 281 ł having 3 tor compaction
37	Providing and laying heavy duty cobble stones 75mm thick, manufacture of blocks of approved size, shape and colour with a n per sqm over 30mm thick sand bed (average thickness) and com	ninimum	compressive strer with plate vibrator	ngth of 281 k having 3 tor
	Providing and laying heavy duty cobble stones 75mm thick,			
		using o	cement and cou	rse sand f
	Maintenance for 4th Year:			
		Rate	796.22	Sqm
	Add 12% For area weightage (Mangalore City)	Dett	72.38	0
	Maintenance- 4th year escalation of 16%		99.84	
	Basic rate		624.00	
	with approved colour. Sealing entire area with concrete sealer.		004.00	
	and size using approved colour shade and staping it using approve	ed stamp	pattern and antiqu	uitting it on te
36	included in this item) including finishing and colouring the top surfa			
	Supplying and Application charges required for stamping the freshl	y laid nev	w concrete (Concr	ete rate is r
	Maintenance for 4th Year:		· · · · · ·	
		Rate	697.51	Rm
	Maintenance- 4th year escalation of 16%		96.21	
	Add 12% For area weightage (Mangalore City) Sub Total		3.6 601.3	
	No.50, Pg.No.123)		2.0	
	Labour Cost for laying and Jointing-KUWSDB,HDPE Pipes,Item		36	
	Basic Rate		561.7	
	(Market Rate)		F64 7	
30	pipe etc.Complete.	lienches,		and jointing
35	comforming to ASTMF 2160 and /or equivalent indian standard loading and unloading at both destination and rolling, lowering into the standard stan	d and co	nveying to work	site includi
	Maintenance for 4th Year: Supplying 7-way 40mm HDPE pipe Multi-way Duct Silicore Lul	bricant in	ner laver for ICT	fibre cabl
		Rate	2258.52	Nos.
	Maintenance- 4th year escalation of 16%		311.52	
	Basic Rate		1947	
34	Spacers shall be made of ABS raw material. (Market rate)	to be pla		or r.o met
	Maintenance for 4th Year : Providing and Fixixng Spacers for Power Ducts of size 160 mm,	to be pla	red at an interval	of 1.5 met
		Rate	1163.48	Nos.
	Basic Rate O&M 4th year escalation of 16%		1003 160.48	
	(Market rate)		1000	
	Spacers shall be made of ABS raw material.			
33			ced at an interval	

	Maintenance for 4th Year:			
	KSRRB M500-17. Providing and laying dense graded bituminous	macadai	m using crushe	d aggregates of
	specified grading, premixed with VG30 grade bituminous binder a			
	laying to the required grade, level and alignment, rolling with smoo			
38	to achieve the desired compaction as per MORTH table 500-10 c			
	specifications MORTH Specification No. 507 -using 100/120 TPH			
	(50 mm to 75 mm) with 4.5 % VG-30 Bitumen(KPWD 16-17,S.I.No			insui pavei Gi-II
		0.21.17.1,	Page N0.103)	
	Basic rate		7839	
	Maintenance- 4th year escalation of 16%		1254.24	
	Add 10% For area weightage (Mangalore City)		909.32	
		Rate	10002.56	Cum
	Maintenance for 4th Year:			
	KSRRB M500-19. Providing and laying bituminous concrete 40 mr	n thick w	ith hot mix plan	t. using crushed
	aggregates of specified grading, premixed with bituminous binder a			
	site, laying with a paver finisher to the required grade, level and			
39	vibratory and tandem rollers to achieve the desired compaction a			
	500.9 complete in all respects complete as per specifications. MO			
	TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 45 mr	n) with 6	% VG-40 Bitum	ien
	Decie vete		0704	
	Basic rate		8761	
	Maintenance- 4th year escalation of 16%		1401.76	
	Add 10% For area weightage (Mangalore City)		1016.28	
		Rate	11179.04	Cum
	Maintenance for 4th Year:			
	KSRRB M800 Road markers / Road stud KSRRB M800-35. Provid	ling and f	ixing of road stu	ud 100x 100
	mm, diecast in aluminium, resistant to corrosive effect of salt and g			
40	in concrete or asphaltic surface by drilling hole 30 mm upto a depth			
	bituminous grout or epoxy mortar, all as per BS: 873 part 4:1973 co			
	Rate Approved as per EOI by MD MSCL Mangalore,Refer			
	Sr.No.12		289.00	
	Maintenance- 4th year escalation of 16%		46.24	
		Poto	335.24	Nos.
		Rate	335.24	INUS.
	Maintenance for 4th Year:			
	Supply & Installation of Solar Raised Pavement Markers made o			•
	circular shape, solar powered, LED self illumination in active mode	-		
	panels with micro prismatic lens in passive mode. The marker shal			
	accordance to IRC 37 and shall be resistantto dust and water ingre	ess accore	ding to IP 65 (Ir	ngress
41	Protection 65 is a test which is conducted to check if solar road stu	d is prote	ected from total	dust Ingress
41	and low pressure water jets from any direction) standards and shou	uld withst	and temperatur	es in the range
	of 0 C to 70 C. Color of lighting could be provided in red or yellow (a		•	•
	frequency of blinking is 1 Hz. There should be current losses of les			
	sleep-charging mode to enhance the life of the marker and a full ch			
	autonomy of 50 hours. The height, width and length of the marker s	-	•	
	x 100 mm. Also, the surface diameter of the marker shall not be less			
	Basic Rate		2961	
	Maintenance- 4th year escalation of 16%		473.76	
	Add 10% For area weightage (Mangalore City)		343.48	
		Rate	3778.24	Nos.
		Nate	5110.24	1103.
	Maintenance for 4th Year:			
		- <i>a</i>		
	Road Marking with hot applied Thermoplastic Compound with I		•	
	Surface:Providing and laying of hot applied thermoplastic compo			
42	glass beads at 250 gms and 2 ltr of primer per sqm area, thick			
42	applied glass beads as per IRC:35.The finished surface to be leve	l,uniform	and free from s	streak and holes
	complete as per specifications.MORTH specification No.803			
	(Page No 192,SI No : 24.57)			

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	Basic Rate		429	
	Maintenance- 4th year escalation of 16%		68.64	
	Add 10% For area weightage (Mangalore City)		49.76	
		Rate	547.40	Sqm
	Maintonanaa far 1th Vaar			
	Maintenance for 4th Year:			
43	Operation and Maintenance for eToilets Stainless Steel Public N	lodel as speci	fied in Road an	d Other work
43		lodel as speci	fied in Road an	d Other work
43	Operation and Maintenance for eToilets Stainless Steel Public N	lodel as specit	fied in Road an 61200	d Other work
43	Operation and Maintenance for eToilets Stainless Steel Public N BOQ Item No.45.	lodel as specif		d Other work
43	Operation and Maintenance for eToilets Stainless Steel Public N BOQ Item No.45. Baisc rate	lodel as specif	61200	d Other work
43	Operation and Maintenance for eToilets Stainless Steel Public M BOQ Item No.45. Baisc rate Maintenance- 4th year escalation of 16%	Nodel as specif	61200	Nos.

	Maintenance for 4th Year:			
44	Providing and fixing of S.S. Bollards(SS304) on footpath as specific	ed and di	rected by Engine	er -in-charg
	(NON SOR Item)			
	Rate Approved as per EOI by MD MSCL Mangalore, Refer			
	Sr.No.13		4500.00	
	O&M 4th year escalation of 16%		720	
		Rate	5220	Nos.
	Maintenance for 4th Year:			
	Providing and fixing of railing as detail design in MS HOLLOW SEC		d bare (shop dray	wing to bo
45	approved), with vertical support of 0.9m @2.2mc/c, all complete			
	architect.(Non SOR Item)			andscape
	Rate Approved as per EOI by MD MSCL Mangalore,Refer	<u>г</u>		
	Sr.No.26		100000.00	
	Maintenance- 4th year escalation of 16%		16000	
		Rate	116000	МТ
		Nate	110000	141.1
	Maintenance for 4th Year:			
	Excavation and removal of silt and silt mixed with sand in slussy co	ondition fro	m canal bed incl	udina
	disposing off the same in spoil bank or on the canal embankment i			
10	lead upto 50 m and all lifts. For Desilting of drains and grit chambe			
46	scaffolding HOM of machineries with all lead and lifts, labour charge			
	Environmental and Social Safeguards & as per design, drawing, te			
	Engineer-in-charge.	chinical sp	ecilications and c	
	Basic Rate		179.00	
			28.64	
	Basic Rate	Rate		Nos.
	Basic Rate	Rate	28.64	Nos.
	Basic Rate Maintenance- 4th year escalation of 16%	Rate	28.64	Nos.
47	Basic Rate Maintenance- 4th year escalation of 16% Maintenance for 4th Year:		28.64 207.64	Nos.
47	Basic Rate Maintenance- 4th year escalation of 16% Maintenance for 4th Year: Extra Lead for Disposing off unserviceable materials upto 10 Km b		28.64 207.64	Nos.
47	Basic Rate Maintenance- 4th year escalation of 16% Maintenance for 4th Year: Extra Lead for Disposing off unserviceable materials upto 10 Km b Item No 17.4 KSRRB M100-4.1-Earth	eyond initi	28.64 207.64 al Lead	Nos.
47	Basic Rate Maintenance- 4th year escalation of 16% Maintenance for 4th Year: Extra Lead for Disposing off unserviceable materials upto 10 Km b Item No 17.4 KSRRB M100-4.1-Earth Earth	eyond initi	28.64 207.64 al Lead .28x10km	Nos.
47	Basic Rate Maintenance- 4th year escalation of 16% Maintenance for 4th Year: Extra Lead for Disposing off unserviceable materials upto 10 Km b Item No 17.4 KSRRB M100-4.1-Earth Earth Baisc rate	eyond initi	28.64 207.64 al Lead	Nos.
47	Basic Rate Maintenance- 4th year escalation of 16% Maintenance for 4th Year: Extra Lead for Disposing off unserviceable materials upto 10 Km b Item No 17.4 KSRRB M100-4.1-Earth Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100-	eyond initi	28.64 207.64 al Lead .28x10km 25.60	Nos.
47	Basic Rate Maintenance- 4th year escalation of 16% Maintenance for 4th Year: Extra Lead for Disposing off unserviceable materials upto 10 Km b Item No 17.4 KSRRB M100-4.1-Earth Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100-1)	eyond initi	28.64 207.64 al Lead .28x10km 25.60 68.00	Nos.
47	Basic Rate Maintenance- 4th year escalation of 16% Maintenance for 4th Year: Extra Lead for Disposing off unserviceable materials upto 10 Km b Item No 17.4 KSRRB M100-4.1-Earth Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100-1) Sub Total-1	eyond initi	28.64 207.64 al Lead .28x10km 25.60 68.00 93.60	Nos.
47	Basic Rate Maintenance- 4th year escalation of 16% Maintenance for 4th Year: Extra Lead for Disposing off unserviceable materials upto 10 Km b Item No 17.4 KSRRB M100-4.1-Earth Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100-1) Sub Total-1 Add 12% For area weightage (Mangalore City)	eyond initi	28.64 207.64 al Lead .28x10km 25.60 68.00 93.60 9.36	Nos.
47	Basic Rate Maintenance- 4th year escalation of 16% Maintenance for 4th Year: Extra Lead for Disposing off unserviceable materials upto 10 Km b Item No 17.4 KSRRB M100-4.1-Earth Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100-1) Sub Total-1 Add 12% For area weightage (Mangalore City) Sub Total-2	eyond initi	28.64 207.64 al Lead .28x10km 25.60 68.00 93.60 9.36 102.96	Nos.
47	Basic Rate Maintenance- 4th year escalation of 16% Maintenance for 4th Year: Extra Lead for Disposing off unserviceable materials upto 10 Km b Item No 17.4 KSRRB M100-4.1-Earth Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100-1) Sub Total-1 Add 12% For area weightage (Mangalore City)	eyond initi	28.64 207.64 al Lead .28x10km 25.60 68.00 93.60 9.36 102.96 16.47	
47	Basic Rate Maintenance- 4th year escalation of 16% Maintenance for 4th Year: Extra Lead for Disposing off unserviceable materials upto 10 Km b Item No 17.4 KSRRB M100-4.1-Earth Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100-1) Sub Total-1 Add 12% For area weightage (Mangalore City) Sub Total-2	eyond initi	28.64 207.64 al Lead .28x10km 25.60 68.00 93.60 9.36 102.96	Nos.
47	Basic Rate Maintenance- 4th year escalation of 16% Maintenance for 4th Year: Extra Lead for Disposing off unserviceable materials upto 10 Km b Item No 17.4 KSRRB M100-4.1-Earth Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100-1) Sub Total-1 Add 12% For area weightage (Mangalore City) Sub Total-2 Maintenance- 4th year escalation of 16%	eyond initi	28.64 207.64 al Lead .28x10km 25.60 68.00 93.60 9.36 102.96 16.47	
	Basic Rate Maintenance- 4th year escalation of 16% Maintenance for 4th Year: Extra Lead for Disposing off unserviceable materials upto 10 Km b Item No 17.4 KSRRB M100-4.1-Earth Earth Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100-1) Sub Total-1 Add 12% For area weightage (Mangalore City) Sub Total-2 Maintenance- 4th year escalation of 16%	eyond initi	28.64 207.64 al Lead .28x10km 25.60 68.00 93.60 93.60 102.96 16.47 119.43	
	Basic Rate Maintenance- 4th year escalation of 16% Maintenance for 4th Year: Extra Lead for Disposing off unserviceable materials upto 10 Km b Item No 17.4 KSRRB M100-4.1-Earth Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100-1) Sub Total-1 Add 12% For area weightage (Mangalore City) Sub Total-2 Maintenance for 4th Year: Extra Lead for Disposing off unserviceable materials upto 10 Km b	eyond initi	28.64 207.64 al Lead .28x10km 25.60 68.00 93.60 93.60 102.96 16.47 119.43	
	Basic Rate Maintenance- 4th year escalation of 16% Maintenance for 4th Year: Extra Lead for Disposing off unserviceable materials upto 10 Km b Item No 17.4 KSRRB M100-4.1-Earth Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100-1) Sub Total-1 Add 12% For area weightage (Mangalore City) Sub Total-2 Maintenance for 4th Year: Extra Lead for Disposing off unserviceable materials upto 10 Km b Item No 17.4 KSRRB M100-4.1-Debris	eyond initi 2.0x1 Rate eyond initi	28.64 207.64 al Lead .28x10km 25.60 68.00 93.60 9.36 102.96 16.47 119.43 al Lead	
	Basic Rate Maintenance- 4th year escalation of 16% Maintenance for 4th Year: Extra Lead for Disposing off unserviceable materials upto 10 Km b Item No 17.4 KSRRB M100-4.1-Earth Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100-1) Sub Total-1 Add 12% For area weightage (Mangalore City) Sub Total-2 Maintenance for 4th Year: Extra Lead for Disposing off unserviceable materials upto 10 Km b Item No 17.4 KSRRB M100-4.1-Debris Debris	eyond initi 2.0x1 Rate eyond initi	28.64 207.64 al Lead .28x10km 25.60 68.00 93.60 93.60 9.36 102.96 16.47 119.43 al Lead .30x10Km	
	Basic Rate Maintenance- 4th year escalation of 16% Maintenance for 4th Year: Extra Lead for Disposing off unserviceable materials upto 10 Km b Item No 17.4 KSRRB M100-4.1-Earth Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100-1) Sub Total-1 Add 12% For area weightage (Mangalore City) Sub Total-2 Maintenance for 4th Year: Extra Lead for Disposing off unserviceable materials upto 10 Km b Item No 17.4 KSRRB M100-4.1-Debris Debris Baisc rate	eyond initi 2.0x1 Rate eyond initi	28.64 207.64 al Lead .28x10km 25.60 68.00 93.60 9.36 102.96 16.47 119.43 al Lead	
	Basic Rate Maintenance- 4th year escalation of 16% Maintenance for 4th Year: Extra Lead for Disposing off unserviceable materials upto 10 Km b Item No 17.4 KSRRB M100-4.1-Earth Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100-1) Sub Total-1 Add 12% For area weightage (Mangalore City) Sub Total-2 Maintenance for 4th Year: Extra Lead for Disposing off unserviceable materials upto 10 Km b Item No 17.4 KSRRB M100-4.1-Debris Debris Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100-4.1-Debris	eyond initi 2.0x1 Rate eyond initi	28.64 207.64 al Lead .28x10km 25.60 68.00 93.60 9.36 102.96 16.47 119.43 al Lead .30x10Km 26.00	
	Basic Rate Maintenance- 4th year escalation of 16% Maintenance for 4th Year: Extra Lead for Disposing off unserviceable materials upto 10 Km b Item No 17.4 KSRRB M100-4.1-Earth Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100-1) Sub Total-1 Add 12% For area weightage (Mangalore City) Sub Total-2 Maintenance for 4th Year: Extra Lead for Disposing off unserviceable materials upto 10 Km b Item No 17.4 KSRRB M100-4.1-Debris Debris Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100-1)	eyond initi 2.0x1 Rate eyond initi	28.64 207.64 207.64 al Lead .28x10km 25.60 68.00 93.60 9.36 102.96 16.47 119.43 al Lead .30x10Km 26.00 68.00	
	Basic Rate Maintenance- 4th year escalation of 16% Maintenance for 4th Year: Extra Lead for Disposing off unserviceable materials upto 10 Km b Item No 17.4 KSRRB M100-4.1-Earth Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100-1) Sub Total-1 Add 12% For area weightage (Mangalore City) Sub Total-2 Maintenance for 4th Year: Extra Lead for Disposing off unserviceable materials upto 10 Km b Item No 17.4 KSRRB M100-4.1-Debris Debris Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100-1) Sub Total-1	eyond initi 2.0x1 Rate eyond initi	28.64 207.64 207.64 al Lead .28x10km 25.60 68.00 93.60 93.60 93.60 93.60 93.60 102.96 16.47 119.43 al Lead .30x10Km 26.00 68.00 94.00	
	Basic Rate Maintenance- 4th year escalation of 16% Maintenance for 4th Year: Extra Lead for Disposing off unserviceable materials upto 10 Km b Item No 17.4 KSRRB M100-4.1-Earth Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100-1) Sub Total-1 Add 12% For area weightage (Mangalore City) Sub Total-2 Maintenance for 4th Year: Extra Lead for Disposing off unserviceable materials upto 10 Km b Item No 17.4 KSRRB M100-4.1-Debris Debris Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100 for the litem No 17.4 KSRRB M100-4.1-Debris Debris Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100-1) Sub Total-1 Add Loading and unloading charges(Item No 17.1 KSRRB M100-1) Sub Total-1 Add Loading and unloading charges(Item No 17.1 KSRRB M100-1) Sub Total-1 Add 12% For area weightage (Mangalore City)	eyond initi 2.0x1 Rate eyond initi	28.64 207.64 207.64 al Lead .28x10km 25.60 93.60 93.60 93.60 93.60 93.60 102.96 16.47 119.43 al Lead .30x10Km 26.00 68.00 94.00 9.4	
	Basic Rate Maintenance- 4th year escalation of 16% Maintenance for 4th Year: Extra Lead for Disposing off unserviceable materials upto 10 Km b Item No 17.4 KSRRB M100-4.1-Earth Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100-1) Sub Total-1 Add 12% For area weightage (Mangalore City) Sub Total-2 Maintenance for 4th Year: Extra Lead for Disposing off unserviceable materials upto 10 Km b Item No 17.4 KSRRB M100-4.1-Debris Debris Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100-10 Km b Item No 17.4 KSRRB M100-4.1-Debris Debris Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100-1) Sub Total-1 Add Loading and unloading charges(Item No 17.1 KSRRB M100-1) Sub Total-1 Add Loading and unloading charges(Item No 17.1 KSRRB M100-1) Sub Total-1 Add 12% For area weightage (Mangalore City) Sub Total-1	eyond initi 2.0x1 Rate eyond initi	28.64 207.64 207.64 al Lead .28x10km 25.60 68.00 93.60 93.60 93.60 93.60 93.60 102.96 16.47 119.43 al Lead .30x10Km 26.00 68.00 94.00	
47 48 48	Basic Rate Maintenance- 4th year escalation of 16% Maintenance for 4th Year: Extra Lead for Disposing off unserviceable materials upto 10 Km b Item No 17.4 KSRRB M100-4.1-Earth Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100-1) Sub Total-1 Add 12% For area weightage (Mangalore City) Sub Total-2 Maintenance for 4th Year: Extra Lead for Disposing off unserviceable materials upto 10 Km b Item No 17.4 KSRRB M100-4.1-Debris Debris Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100 for the litem No 17.4 KSRRB M100-4.1-Debris Debris Baisc rate Add Loading and unloading charges(Item No 17.1 KSRRB M100-1) Sub Total-1 Add Loading and unloading charges(Item No 17.1 KSRRB M100-1) Sub Total-1 Add Loading and unloading charges(Item No 17.1 KSRRB M100-1) Sub Total-1 Add 12% For area weightage (Mangalore City)	eyond initi 2.0x1 Rate eyond initi	28.64 207.64 207.64 al Lead .28x10km 25.60 93.60 93.60 93.60 93.60 93.60 102.96 16.47 119.43 al Lead .30x10Km 26.00 68.00 94.00 9.4	

	Lighting Poles			
	Maintenance for 4th Year:			
49	Dismantling of pole/ street light standard/ strut embedded in cemer	nt concret	e	
	foundation etc. as required			
	(Delhi analysis of rates E & M 2016, item 12.42, pg 395))	,		
	Basic Rate		938	
	Maintenance- 4th year escalation of 16%		150.08	
		Rate	1088.08	Nos.
	Maintenance for 4th Year:			
	Lighting Pole, 7 m			
	Fabrication, suppl and erection of 7 meters long hot dip Galvanised S 355 JO steel plate for shaft, IS 2062 for base plate with oor open	ing arrang	gement, icluding s	suitable
	boards, bakelite sheet and MCBs as per IS specifications suitable f			
50	in single section and single joint welded as per IS 9595/IS 10178 A		-	
	dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of the pole shall be hot dip galvanized in single dipping with not less the 153 etc., (excluding foundation) as per drawing appended (Ref Electrical SOR SI No. 5.14.5)	-	oolts along with te cron as per ASTI	•
	Basic rate		12420	
	Maintenance- 4th year escalation of 16%		1987.2	
		Rate	14,407.20	Nos.
	Maintenance for 4th Year:			
	Lighting Pole, 4 m			
	Fabrication, supply and erection of 4 meters long hot dip Galvanise	onetoO he	nal note with BSE	= 10025 ara
	IT application, supply and election of \mathbf{T} meters for the total variation			
		-	•	-
	S 355 JO steel plate for shaft, IS 2062 for base plate with door ope	ening arrai	ngement, icluding	suitable
	S 355 JO steel plate for shaft, IS 2062 for base plate with door ope boards, bakelite sheet and MCBs as per IS specifications suitable f	ning arran for wind s	ngement, icluding peed of 47 m/sec	suitable for 5 4 pol
51	S 355 JO steel plate for shaft, IS 2062 for base plate with door ope boards, bakelite sheet and MCBs as per IS specifications suitable in in single section and single joint welded as per IS 9595/IS 10178 A	ning arran for wind s WG havir	ngement, icluding peed of 47 m/sec ng dimensions bo	suitable for 5 4 pol ttom 130 m
51	S 355 JO steel plate for shaft, IS 2062 for base plate with door ope boards, bakelite sheet and MCBs as per IS specifications suitable f	ning arran for wind s WG havir	ngement, icluding peed of 47 m/sec ng dimensions bo	suitable for 5 4 pol ttom 130 m
51	S 355 JO steel plate for shaft, IS 2062 for base plate with door ope boards, bakelite sheet and MCBs as per IS specifications suitable f in single section and single joint welded as per IS 9595/IS 10178 A dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of k	ning arran for wind s WG havir ong J bolt	ngement, icluding peed of 47 m/sec ng dimensions bo s along with temp	suitable for 5 4 pol ttom 130 m plate and th
51	S 355 JO steel plate for shaft, IS 2062 for base plate with door ope boards, bakelite sheet and MCBs as per IS specifications suitable to in single section and single joint welded as per IS 9595/IS 10178 A dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of lo pole shall be hot dip galvanized in single dipping with not less than	ning arran for wind s WG havir ong J bolt	ngement, icluding peed of 47 m/sec ng dimensions bo s along with temp	suitable for 5 4 pol ttom 130 m plate and th
51	S 355 JO steel plate for shaft, IS 2062 for base plate with door ope boards, bakelite sheet and MCBs as per IS specifications suitable f in single section and single joint welded as per IS 9595/IS 10178 A dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of lo pole shall be hot dip galvanized in single dipping with not less than etc., (excluding foundation) as per drawing appended	ning arran for wind s WG havir ong J bolt	ngement, icluding peed of 47 m/sec ng dimensions bo s along with temp	suitable for 5 4 pol ttom 130 m plate and th
51	S 355 JO steel plate for shaft, IS 2062 for base plate with door ope boards, bakelite sheet and MCBs as per IS specifications suitable to in single section and single joint welded as per IS 9595/IS 10178 A dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of lo pole shall be hot dip galvanized in single dipping with not less than	ning arran for wind s WG havir ong J bolt	ngement, icluding peed of 47 m/sec ng dimensions bo s along with temp	suitable for 5 4 pol ttom 130 m plate and th
51	S 355 JO steel plate for shaft, IS 2062 for base plate with door ope boards, bakelite sheet and MCBs as per IS specifications suitable f in single section and single joint welded as per IS 9595/IS 10178 A dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of lo pole shall be hot dip galvanized in single dipping with not less than etc., (excluding foundation) as per drawing appended (Ref Electrical SOR SI No.5.14.2)	ning arran for wind s WG havir ong J bolt	ngement, icluding peed of 47 m/sec ng dimensions bo s along with temp n as per ASTM - /	suitable for 5 4 pol ttom 130 m plate and th
51	S 355 JO steel plate for shaft, IS 2062 for base plate with door ope boards, bakelite sheet and MCBs as per IS specifications suitable f in single section and single joint welded as per IS 9595/IS 10178 A dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of lo pole shall be hot dip galvanized in single dipping with not less than etc., (excluding foundation) as per drawing appended (Ref Electrical SOR SI No.5.14.2) Basic rate	ning arran for wind s WG havir ong J bolt	ngement, icluding peed of 47 m/sec ng dimensions bo s along with temp n as per ASTM - / 7398	suitable for 5 4 pole ttom 130 m plate and the
51	S 355 JO steel plate for shaft, IS 2062 for base plate with door ope boards, bakelite sheet and MCBs as per IS specifications suitable f in single section and single joint welded as per IS 9595/IS 10178 A dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of lo pole shall be hot dip galvanized in single dipping with not less than etc., (excluding foundation) as per drawing appended (Ref Electrical SOR SI No.5.14.2)	ening arrar for wind s WG havir ong J bolt 65 micror	ngement, icluding peed of 47 m/sec ng dimensions bo s along with temp n as per ASTM - 7 7398 1183.68	suitable for 5 4 pol ttom 130 m plate and th A123 and 1
51	S 355 JO steel plate for shaft, IS 2062 for base plate with door ope boards, bakelite sheet and MCBs as per IS specifications suitable f in single section and single joint welded as per IS 9595/IS 10178 A dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of lo pole shall be hot dip galvanized in single dipping with not less than etc., (excluding foundation) as per drawing appended (Ref Electrical SOR SI No.5.14.2) Basic rate Maintenance- 4th year escalation of 16%	ning arran for wind s WG havir ong J bolt	ngement, icluding peed of 47 m/sec ng dimensions bo s along with temp n as per ASTM - / 7398	suitable for 5 4 pol ttom 130 m plate and th
51	S 355 JO steel plate for shaft, IS 2062 for base plate with door ope boards, bakelite sheet and MCBs as per IS specifications suitable f in single section and single joint welded as per IS 9595/IS 10178 A dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of lo pole shall be hot dip galvanized in single dipping with not less than etc., (excluding foundation) as per drawing appended (Ref Electrical SOR SI No.5.14.2) Basic rate Maintenance- 4th year escalation of 16% Maintenance for 4th Year:	ening arrar for wind s WG havir ong J bolt 65 micror Rate	ngement, icluding peed of 47 m/sec ng dimensions bo s along with temp n as per ASTM - / 7398 1183.68 8,581.68	suitable for 5 4 pol ttom 130 m blate and th A123 and 1
_	S 355 JO steel plate for shaft, IS 2062 for base plate with door ope boards, bakelite sheet and MCBs as per IS specifications suitable f in single section and single joint welded as per IS 9595/IS 10178 A dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of lo pole shall be hot dip galvanized in single dipping with not less than etc., (excluding foundation) as per drawing appended (Ref Electrical SOR SI No.5.14.2) Basic rate Maintenance- 4th year escalation of 16% Maintenance for 4th Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for	ening arrar for wind s WG havir ong J bolt 65 micror Rate	ngement, icluding peed of 47 m/sec ng dimensions bo s along with temp n as per ASTM - / 7398 1183.68 8,581.68	suitable for 5 4 pol ttom 130 m plate and th A123 and 1
_	S 355 JO steel plate for shaft, IS 2062 for base plate with door ope boards, bakelite sheet and MCBs as per IS specifications suitable f in single section and single joint welded as per IS 9595/IS 10178 A dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of lo pole shall be hot dip galvanized in single dipping with not less than etc., (excluding foundation) as per drawing appended (Ref Electrical SOR SI No.5.14.2) Basic rate Maintenance- 4th year escalation of 16% Maintenance for 4th Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete	ening arrar for wind s WG havir ong J bolt 65 micror Rate	ngement, icluding peed of 47 m/sec ng dimensions bo s along with temp n as per ASTM - / 7398 1183.68 8,581.68	suitable for 5 4 pol ttom 130 m plate and th A123 and 1
	S 355 JO steel plate for shaft, IS 2062 for base plate with door ope boards, bakelite sheet and MCBs as per IS specifications suitable f in single section and single joint welded as per IS 9595/IS 10178 A dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of lo pole shall be hot dip galvanized in single dipping with not less than etc., (excluding foundation) as per drawing appended (Ref Electrical SOR SI No.5.14.2) Basic rate Maintenance- 4th year escalation of 16% Maintenance for 4th Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for	ening arrar for wind s WG havir ong J bolt 65 micror Rate	ngement, icluding peed of 47 m/sec ng dimensions bo s along with temp n as per ASTM - / 7398 1183.68 8,581.68	suitable for 5 4 pol ttom 130 m plate and th A123 and 1
_	S 355 JO steel plate for shaft, IS 2062 for base plate with door ope boards, bakelite sheet and MCBs as per IS specifications suitable f in single section and single joint welded as per IS 9595/IS 10178 A dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of lo pole shall be hot dip galvanized in single dipping with not less than etc., (excluding foundation) as per drawing appended (Ref Electrical SOR SI No.5.14.2) Basic rate Maintenance- 4th year escalation of 16% Maintenance for 4th Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete	ening arrar for wind s WG havir ong J bolt 65 micror Rate	ngement, icluding peed of 47 m/sec ng dimensions bo s along with temp n as per ASTM - / 7398 1183.68 8,581.68	suitable for 5 4 pol ttom 130 m blate and th A123 and 1
_	S 355 JO steel plate for shaft, IS 2062 for base plate with door ope boards, bakelite sheet and MCBs as per IS specifications suitable f in single section and single joint welded as per IS 9595/IS 10178 A dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of lo pole shall be hot dip galvanized in single dipping with not less than etc., (excluding foundation) as per drawing appended (Ref Electrical SOR SI No.5.14.2) Basic rate Maintenance- 4th year escalation of 16% Maintenance for 4th Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Double Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.5) Basic rate	ening arrar for wind s WG havir ong J bolt 65 micror Rate	ngement, icluding peed of 47 m/sec ng dimensions bo s along with temp n as per ASTM - / 7398 1183.68 8,581.68	suitable for 5 4 pol ttom 130 m blate and th A123 and 1
	S 355 JO steel plate for shaft, IS 2062 for base plate with door ope boards, bakelite sheet and MCBs as per IS specifications suitable fi in single section and single joint welded as per IS 9595/IS 10178 A dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of lo pole shall be hot dip galvanized in single dipping with not less than etc., (excluding foundation) as per drawing appended (Ref Electrical SOR SI No.5.14.2) Basic rate Maintenance- 4th year escalation of 16% Maintenance for 4th Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Double Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.5)	ening arrar for wind s WG havir ong J bolt 65 micror Rate	ngement, icluding peed of 47 m/sec ng dimensions bo s along with temp n as per ASTM - 7 7398 1183.68 8,581.68	suitable for 5 4 pol- ttom 130 m blate and th A123 and 1
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	S 355 JO steel plate for shaft, IS 2062 for base plate with door ope boards, bakelite sheet and MCBs as per IS specifications suitable f in single section and single joint welded as per IS 9595/IS 10178 A dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of lo pole shall be hot dip galvanized in single dipping with not less than etc., (excluding foundation) as per drawing appended (Ref Electrical SOR SI No.5.14.2) Basic rate Maintenance- 4th year escalation of 16% Maintenance for 4th Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Double Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.5) Basic rate	ening arrar for wind s WG havir ong J bolt 65 micror Rate outdoor lu	ngement, icluding peed of 47 m/sec ng dimensions bo s along with temp n as per ASTM - 7 7398 1183.68 8,581.68 uminaries and mo 3540 566.4	suitable for 5 4 pol ttom 130 m plate and th A123 and 1 Nos. punted on
52	S 355 JO steel plate for shaft, IS 2062 for base plate with door ope boards, bakelite sheet and MCBs as per IS specifications suitable fi in single section and single joint welded as per IS 9595/IS 10178 A dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of lo pole shall be hot dip galvanized in single dipping with not less than etc., (excluding foundation) as per drawing appended (Ref Electrical SOR SI No.5.14.2) Basic rate Maintenance for 4th Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Double Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.5) Basic rate Maintenance- 4th year escalation of 16% Maintenance- 4th year escalation of 16%	ening arrar for wind s WG havir ong J bolt 65 micror Rate outdoor lu	rigement, icluding peed of 47 m/sec ing dimensions bo is along with temp in as per ASTM - 7 7398 1183.68 8,581.68 iminaries and mo 3540 566.4 4,106.40	Nos.
52	S 355 JO steel plate for shaft, IS 2062 for base plate with door ope boards, bakelite sheet and MCBs as per IS specifications suitable for in single section and single joint welded as per IS 9595/IS 10178 A dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of lo pole shall be hot dip galvanized in single dipping with not less than etc., (excluding foundation) as per drawing appended (Ref Electrical SOR SI No.5.14.2) Basic rate Maintenance- 4th year escalation of 16% Maintenance for 4th Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Double Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.5) Basic rate Maintenance- 4th year escalation of 16% Maintenance for 4th Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for	ening arrar for wind s WG havir ong J bolt 65 micror Rate outdoor lu	rigement, icluding peed of 47 m/sec ing dimensions bo is along with temp in as per ASTM - 7 7398 1183.68 8,581.68 iminaries and mo 3540 566.4 4,106.40	Nos.
52	S 355 JO steel plate for shaft, IS 2062 for base plate with door ope boards, bakelite sheet and MCBs as per IS specifications suitable for in single section and single joint welded as per IS 9595/IS 10178 A dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of lo pole shall be hot dip galvanized in single dipping with not less than etc., (excluding foundation) as per drawing appended (Ref Electrical SOR SI No.5.14.2) Basic rate Maintenance- 4th year escalation of 16% Maintenance for 4th Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Double Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.5) Basic rate Maintenance- 4th year escalation of 16% Maintenance for 4th Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Double Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.5) Basic rate Maintenance- 4th year escalation of 16% Maintenance for 4th Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete	ening arrar for wind s WG havir ong J bolt 65 micror Rate outdoor lu	rigement, icluding peed of 47 m/sec ing dimensions bo is along with temp in as per ASTM - 7 7398 1183.68 8,581.68 iminaries and mo 3540 566.4 4,106.40	Nos.
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52	S 355 JO steel plate for shaft, IS 2062 for base plate with door ope boards, bakelite sheet and MCBs as per IS specifications suitable for in single section and single joint welded as per IS 9595/IS 10178 A dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of lo pole shall be hot dip galvanized in single dipping with not less than etc., (excluding foundation) as per drawing appended (Ref Electrical SOR SI No.5.14.2) Basic rate Maintenance- 4th year escalation of 16% Maintenance for 4th Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Double Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.5) Basic rate Maintenance for 4th Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Double Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.5) Basic rate Maintenance for 4th Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Single Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.2)	ening arrar for wind s WG havir ong J bolt 65 micror Rate outdoor lu	ngement, icluding peed of 47 m/sec og dimensions bo s along with temp n as per ASTM - 7 7398 1183.68 8,581.68 uminaries and mo 566.4 4,106.40 uminaries and mo	Nos.
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52	S 355 JO steel plate for shaft, IS 2062 for base plate with door ope boards, bakelite sheet and MCBs as per IS specifications suitable for in single section and single joint welded as per IS 9595/IS 10178 A dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of lo pole shall be hot dip galvanized in single dipping with not less than etc., (excluding foundation) as per drawing appended (Ref Electrical SOR SI No.5.14.2) Basic rate Maintenance for 4th Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Double Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.5) Basic rate Maintenance for 4th Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Double Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.5) Basic rate Maintenance for 4th Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Single Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.2) Basic rate O&M 4th year escalation of 16%	ening arrar for wind s WG havir ong J bolt 65 micror Rate outdoor lu	ngement, icluding peed of 47 m/sec ng dimensions bo s along with temp n as per ASTM - 7 7398 1183.68 8,581.68 iminaries and mo 3540 566.4 4,106.40 iminaries and mo	Nos.
	S 355 JO steel plate for shaft, IS 2062 for base plate with door ope boards, bakelite sheet and MCBs as per IS specifications suitable fi in single section and single joint welded as per IS 9595/IS 10178 A dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of le pole shall be hot dip galvanized in single dipping with not less than etc., (excluding foundation) as per drawing appended (Ref Electrical SOR SI No.5.14.2) Basic rate Maintenance for 4th Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Double Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.5) Basic rate Maintenance for 4th Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Double Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.5) Basic rate Maintenance for 4th Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Single Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.2) Basic rate O&M 4th year escalation of 16% Maintenance for 4th Year:	ening arrar for wind s WG havir ong J bolt 65 micror Rate outdoor lu Rate outdoor lu	ngement, icluding peed of 47 m/sec og dimensions bo s along with temp n as per ASTM - 7 7398 1183.68 8,581.68 minaries and mo 3540 566.4 4,106.40 minaries and mo 2400 384 2,784	Nos.
52	S 355 JO steel plate for shaft, IS 2062 for base plate with door ope boards, bakelite sheet and MCBs as per IS specifications suitable fi in single section and single joint welded as per IS 9595/IS 10178 A dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of le pole shall be hot dip galvanized in single dipping with not less than etc., (excluding foundation) as per drawing appended (Ref Electrical SOR SI No.5.14.2) Basic rate Maintenance for 4th Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Double Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.5) Basic rate Maintenance for 4th Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Double Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.5) Basic rate Maintenance for 4th Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Single Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.2) Basic rate O&M 4th year escalation of 16% Maintenance for 4th Year: Painting of Existing street light pole after scrapping the old paint an	ening arrar for wind s WG havir ong J bolt 65 micror Rate outdoor lu Rate outdoor lu Rate	ngement, icluding peed of 47 m/sec og dimensions bo s along with temp n as per ASTM - 7 7398 1183.68 8,581.68 minaries and mo 3540 566.4 4,106.40 minaries and mo 2400 384 2,784	Nos.
52	S 355 JO steel plate for shaft, IS 2062 for base plate with door ope boards, bakelite sheet and MCBs as per IS specifications suitable fi in single section and single joint welded as per IS 9595/IS 10178 A dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of le pole shall be hot dip galvanized in single dipping with not less than etc., (excluding foundation) as per drawing appended (Ref Electrical SOR SI No.5.14.2) Basic rate Maintenance for 4th Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Double Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.5) Basic rate Maintenance for 4th Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Double Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.5) Basic rate Maintenance for 4th Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Single Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.2) Basic rate O&M 4th year escalation of 16% Maintenance for 4th Year:	ening arrar for wind s WG havir ong J bolt 65 micror Rate outdoor lu Rate outdoor lu Rate	ngement, icluding peed of 47 m/sec og dimensions bo s along with temp n as per ASTM - 7 7398 1183.68 8,581.68 minaries and mo 3540 566.4 4,106.40 minaries and mo 2400 384 2,784	Nos.
52	S 355 JO steel plate for shaft, IS 2062 for base plate with door ope boards, bakelite sheet and MCBs as per IS specifications suitable fi in single section and single joint welded as per IS 9595/IS 10178 A dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of le pole shall be hot dip galvanized in single dipping with not less than etc., (excluding foundation) as per drawing appended (Ref Electrical SOR SI No.5.14.2) Basic rate Maintenance for 4th Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Double Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.5) Basic rate Maintenance for 4th Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Double Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.5) Basic rate Maintenance for 4th Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Single Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.2) Basic rate O&M 4th year escalation of 16% Maintenance for 4th Year: Painting of Existing street light pole after scrapping the old paint an	ening arrar for wind s WG havir ong J bolt 65 micror Rate outdoor lu Rate outdoor lu Rate	ngement, icluding peed of 47 m/sec og dimensions bo s along with temp n as per ASTM - 7 7398 1183.68 8,581.68 minaries and mo 3540 566.4 4,106.40 minaries and mo 2400 384 2,784	Nos.
52	S 355 JO steel plate for shaft, IS 2062 for base plate with door ope boards, bakelite sheet and MCBs as per IS specifications suitable fi in single section and single joint welded as per IS 9595/IS 10178 A dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of lo pole shall be hot dip galvanized in single dipping with not less than etc., (excluding foundation) as per drawing appended (Ref Electrical SOR SI No.5.14.2) Basic rate Maintenance for 4th Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Double Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.5) Basic rate Maintenance for 4th Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Double Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.5) Basic rate Maintenance for 4th Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Single Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.2) Basic rate O&M 4th year escalation of 16% Maintenance for 4th Year: Painting of Existing street light pole after scrapping the old paint an including coping/footing of the pole8mtr and above street light pol	ening arrar for wind s WG havir ong J bolt 65 micror Rate outdoor lu Rate outdoor lu Rate	rigement, icluding peed of 47 m/sec and dimensions bo is along with temp in as per ASTM - 7 7398 1183.68 8,581.68 iminaries and mo 3540 566.4 4,106.40 iminaries and mo 2400 384 2,784 with suitable colo	Nos.
52	S 355 JO steel plate for shaft, IS 2062 for base plate with door ope boards, bakelite sheet and MCBs as per IS specifications suitable f in single section and single joint welded as per IS 9595/IS 10178 A dia, top 70 mm with 3 mm thick, suitable base plate and 4 nos. of lo pole shall be hot dip galvanized in single dipping with not less than etc., (excluding foundation) as per drawing appended (Ref Electrical SOR SI No.5.14.2) Basic rate Maintenance- 4th year escalation of 16% Maintenance for 4th Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Double Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.5) Basic rate Maintenance for 4th Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Double Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.5) Basic rate Maintenance for 4th Year: Supplying and fixing of hot dip Galvinized M.S.bracket Suitable for Octagonal pole using necessary bolts,nuts, etc. complete Single Cross arm - 1500 mm (Ref Electrical SOR SI No.5.18.2) Basic rate O&M 4th year escalation of 16% Maintenance for 4th Year: Painting of Existing street light pole after scrapping the old paint an including coping/footing of the pole8mtr and above street light pol (Ref Electrical SOR SI No.16.28.3)	ening arrar for wind s WG havir ong J bolt 65 micror Rate outdoor lu Rate outdoor lu Rate	ngement, icluding peed of 47 m/sec og dimensions bo s along with temp n as per ASTM - 7 7398 1183.68 8,581.68 minaries and mo 3540 566.4 4,106.40 minaries and mo 2400 384 2,784	Nos.

	Oudoor Box and Switch Gear			
55	Maintenance for 4th Year: Supply, installation, testing and commissioning of outdoor junction	box for mou	unting MCB/C	Contactors w
	all required accessories and componenets		11783	
	Price list (Considering 30% discount , 18% GST & 10% profit)			
	Maintenance- 4th year escalation of 16%		1885.28	
		Rate	13,668	NOS.
56	Maintenance for 4th Year: Supply and fixing of miniature circuit breaker on exisiting board us type curve, indicator ON/OFF, energy cross-3 with short circuit bre as required confirming to IEC 60898 5- 32A TPN Electrical SOR- 6.16.5)	•	• •	
	Basic rate		1547	
	Maintenance- 4th year escalation of 16%		247.52	
		Rate	1,795	
			-,	
	LT Cable			
57	outer sheathed armoured cable as per IS - 1554 Part 1:1988 & co	nforming to (JIP 01 GRU	UP B
57	4 Core x16 Sq.mm PVC Aluminium Conductor, (Ref Electrical SOR SI No.7.5,7.5.4)	nforming to (<u></u>
57	4 Core x16 Sq.mm PVC Aluminium Conductor, (Ref Electrical SOR SI No.7.5,7.5.4) Basic rate		117	
57	4 Core x16 Sq.mm PVC Aluminium Conductor, (Ref Electrical SOR SI No.7.5,7.5.4)		<u> </u>	
57	4 Core x16 Sq.mm PVC Aluminium Conductor, (Ref Electrical SOR SI No.7.5,7.5.4) Basic rate Maintenance- 4th year escalation of 16%	Rate	117	
58	 4 Core x16 Sq.mm PVC Aluminium Conductor, (Ref Electrical SOR SI No.7.5,7.5.4) Basic rate Maintenance- 4th year escalation of 16% Maintenance for 4th Year: Supply and drawing flexible multicore cable with electrolyte grade conforming to Table 3 Class 5 of IS:8130-1984 and vargin PVC in working voltage up to 1100 V as per IS-694:1990 and conforming 3C x 2.5 sq. mm (Ref. Electrical SOR 2.8.8) Basic rate 	Rate flexible copp sulation and	117 18.72 135.72 ber with low c sheathed su Group A. 81.6	Rm onductor itable for
58	 4 Core x16 Sq.mm PVC Aluminium Conductor, (Ref Electrical SOR SI No.7.5,7.5.4) Basic rate Maintenance- 4th year escalation of 16% Maintenance for 4th Year: Supply and drawing flexible multicore cable with electrolyte grade conforming to Table 3 Class 5 of IS:8130-1984 and vargin PVC in working voltage up to 1100 V as per IS-694:1990 and conforming 3C x 2.5 sq. mm (Ref. Electrical SOR 2.8.8) 	flexible copp sulation and to GTP of G	117 18.72 135.72 Per with low c sheathed su Group A. 81.6 13.06	Rm onductor itable for
58	 4 Core x16 Sq.mm PVC Aluminium Conductor, (Ref Electrical SOR SI No.7.5,7.5.4) Basic rate Maintenance- 4th year escalation of 16% Maintenance for 4th Year: Supply and drawing flexible multicore cable with electrolyte grade conforming to Table 3 Class 5 of IS:8130-1984 and vargin PVC in working voltage up to 1100 V as per IS-694:1990 and conforming 3C x 2.5 sq. mm (Ref. Electrical SOR 2.8.8) Basic rate 	Rate flexible copp sulation and	117 18.72 135.72 ber with low c sheathed su Group A. 81.6	Rm onductor itable for
58	 4 Core x16 Sq.mm PVC Aluminium Conductor, (Ref Electrical SOR SI No.7.5,7.5.4) Basic rate Maintenance- 4th year escalation of 16% Maintenance for 4th Year: Supply and drawing flexible multicore cable with electrolyte grade conforming to Table 3 Class 5 of IS:8130-1984 and vargin PVC in working voltage up to 1100 V as per IS-694:1990 and conforming 3C x 2.5 sq. mm (Ref. Electrical SOR 2.8.8) Basic rate 	Rate flexible copp sulation and to GTP of C Rate Rate	117 18.72 135.72 ber with low c sheathed su Group A. 81.6 13.06 94.66	Rm onductor itable for Rm
58	4 Core x16 Sq.mm PVC Aluminium Conductor, (Ref Electrical SOR SI No.7.5,7.5.4) Basic rate Maintenance- 4th year escalation of 16% Maintenance for 4th Year: Supply and drawing flexible multicore cable with electrolyte grade conforming to Table 3 Class 5 of IS:8130-1984 and vargin PVC in working voltage up to 1100 V as per IS-694:1990 and conforming 3C x 2.5 sq. mm (Ref. Electrical SOR 2.8.8) Basic rate Maintenance- 4th year escalation of 16% Maintenance for 4th Year: Supplying tinned copper lugs and crimping and wiring to terminal p 16 Sq.mm PVC Aluminium Conductor (Ref Electrical SOR SI No.7.21,7.21.6) Basic rate	Rate flexible copp sulation and to GTP of G Rate Rate	117 18.72 135.72 er with low c sheathed su Group A. 81.6 13.06 94.66 of following 11.31	Rm onductor itable for Rm
58	4 Core x16 Sq.mm PVC Aluminium Conductor, (Ref Electrical SOR SI No.7.5,7.5.4) Basic rate Maintenance- 4th year escalation of 16% Maintenance for 4th Year: Supply and drawing flexible multicore cable with electrolyte grade conforming to Table 3 Class 5 of IS:8130-1984 and vargin PVC in working voltage up to 1100 V as per IS-694:1990 and conforming 3C x 2.5 sq. mm (Ref. Electrical SOR 2.8.8) Basic rate Maintenance- 4th year escalation of 16% Maintenance for 4th Year: Supplying tinned copper lugs and crimping and wiring to terminal p 16 Sq.mm PVC Aluminium Conductor (Ref Electrical SOR SI No.7.21,7.21.6)	Rate flexible copp sulation and to GTP of G Rate	117 18.72 135.72 Per with low c sheathed su Group A. 81.6 13.06 94.66 of following 11.31 1.81	Rm onductor itable for Rm sizes
58	4 Core x16 Sq.mm PVC Aluminium Conductor, (Ref Electrical SOR SI No.7.5,7.5.4) Basic rate Maintenance- 4th year escalation of 16% Maintenance for 4th Year: Supply and drawing flexible multicore cable with electrolyte grade conforming to Table 3 Class 5 of IS:8130-1984 and vargin PVC in working voltage up to 1100 V as per IS-694:1990 and conforming 3C x 2.5 sq. mm (Ref. Electrical SOR 2.8.8) Basic rate Maintenance- 4th year escalation of 16% Maintenance for 4th Year: Supplying tinned copper lugs and crimping and wiring to terminal p 16 Sq.mm PVC Aluminium Conductor (Ref Electrical SOR SI No.7.21,7.21.6) Basic rate	Rate flexible copp sulation and to GTP of G Rate Rate	117 18.72 135.72 er with low c sheathed su Group A. 81.6 13.06 94.66 of following 11.31	Rm onductor itable for Rm
58	4 Core x16 Sq.mm PVC Aluminium Conductor, (Ref Electrical SOR SI No.7.5,7.5.4) Basic rate Maintenance- 4th year escalation of 16% Maintenance for 4th Year: Supply and drawing flexible multicore cable with electrolyte grade conforming to Table 3 Class 5 of IS:8130-1984 and vargin PVC in working voltage up to 1100 V as per IS-694:1990 and conforming 3C x 2.5 sq. mm (Ref. Electrical SOR 2.8.8) Basic rate Maintenance- 4th year escalation of 16% Maintenance for 4th Year: Supplying tinned copper lugs and crimping and wiring to terminal p 16 Sq.mm PVC Aluminium Conductor (Ref Electrical SOR SI No.7.21,7.21.6) Basic rate	Rate Rate flexible copp sulation and to GTP of G Rate Coint for wire	117 18.72 135.72 er with low c sheathed su Group A. 81.6 13.06 94.66 of following 11.31 1.81 13.12	Rm onductor itable for Rm sizes
58	4 Core x16 Sq.mm PVC Aluminium Conductor, (Ref Electrical SOR SI No.7.5,7.5.4) Basic rate Maintenance- 4th year escalation of 16% Maintenance for 4th Year: Supply and drawing flexible multicore cable with electrolyte grade conforming to Table 3 Class 5 of IS:8130-1984 and vargin PVC in working voltage up to 1100 V as per IS-694:1990 and conforming 3C x 2.5 sq. mm (Ref. Electrical SOR 2.8.8) Basic rate Maintenance- 4th year escalation of 16% Maintenance for 4th Year: Supplying tinned copper lugs and crimping and wiring to terminal p 16 Sq.mm PVC Aluminium Conductor (Ref Electrical SOR SI No.7.21,7.21.6) Basic rate Maintenance- 4th year escalation of 16% Maintenance- 4th year escalation of 16%	Rate Rate flexible copp sulation and to GTP of G Rate Coint for wire	117 18.72 135.72 er with low c sheathed su Group A. 81.6 13.06 94.66 of following 11.31 1.81 13.12 of following	Rm onductor itable for Rm sizes
58	4 Core x16 Sq.mm PVC Aluminium Conductor, (Ref Electrical SOR SI No.7.5,7.5.4) Basic rate Maintenance for 4th Year: Supply and drawing flexible multicore cable with electrolyte grade conforming to Table 3 Class 5 of IS:8130-1984 and vargin PVC in working voltage up to 1100 V as per IS-694:1990 and conforming 3C x 2.5 sq. mm (Ref. Electrical SOR 2.8.8) Basic rate Maintenance for 4th Year: Supplying tinned copper lugs and crimping and wiring to terminal p 16 Sq.mm PVC Aluminium Conductor (Ref Electrical SOR SI No.7.21,7.21.6) Basic rate Maintenance for 4th Year: Supplying tinned copper lugs and crimping and wiring to terminal p 16 Sq.mm PVC Aluminium Conductor (Ref Electrical SOR SI No.7.21,7.21.6) Basic rate Maintenance for 4th Year: Supplying tinned copper lugs and crimping and wiring to terminal p 2.5 sq. mm copper conductor	Rate Rate flexible copp sulation and to GTP of G Rate Coint for wire	117 18.72 135.72 er with low c sheathed su Group A. 81.6 13.06 94.66 of following 11.31 1.81 13.12	Rm onductor itable for Rm sizes sizes

	Maintenance for 4th Year:			
	Chemical Earthing for grounding, conduits, IC cut outs and otherequ	uipmentsc	on the mter boa	rdbv usina
	copper /SS rod with earth enhancing backfill compound which is n	•		,g
	,thermally,conductive,potential,to permissible,limits,superior,fault,c			ovic weather
61	resistance and capable of achieving ohmic value	onductive	capacity, non a	
	less than one ohm			
	(Ref Electrical SOR Pg.No.64,SI No.7.23.6)			
	Basic rate		5500	
	Maintenance- 4th year escalation of 16%		880	
		Rate	6380	Kit
		Nate	0500	- Nit
	Maintonan as fan 4th Vaan			
	Maintenance for 4th Year:			<i>.</i>
62	Supply and running GI conductor for grounding and (along with oth		n conduits syste	em of wiring)
	using necessasary suitable size clamps, nails, guttas/spacers etc-	8 SWG		
	(Ref Electrical SOR SI No.7.22.3)			
	Basic rate		19.5	
	Maintenance- 4th year escalation of 16%		3.12	
		Rate	22.62	Rmt
	Maintenance for 4th Year:			
	Supplying and stacking of good earth at site including royalty and o	carriade u	pto 5 k.m. lead	complete (earth
63	measured in stacks will be reduced by 20% for payment).			
	(Non SOR Item)			
	Rate Approved as per EOI by MD MSCL Mangalore,Refer			
	Sr.No.27		140.00	
	Maintenance- 4th year escalation of 16%		22.4	
		Rate	162.40	Cum
	Maintenance for 4th Year:			
	KSRRB M300-Supply at site of work well decayed farm yard ma	nura KSR	RB M300-11	Supply at site of
64	work well decayed farm yard manure, from any available source			
04	including screening and stackin complete as per specifications.			
	No.152,SI.No.19.90)	WORTH	opecification	140. 500.2(1 age
	102,51.10.15.50)			
	Basic rate		204	
	Maintenance- 4th year escalation of 16%		32.64	
	Add 10% For area weightage		23.66	
		Rate	260.30	Cum
	Maintenance for 4th Year:			
	KSRRB M300-Horticulture KSRRB M300-Spreading of sludge	form vor	d manura ar/	and good oarth
	KSRRB M300-1. Spreading of sludge farm yard manure or/ and			
65				
	sludge, farm yard manure or/and good earth to be paid for sep	arately) (complete as pe	er specifications.
	MORTH Specification No. 307			
	(KPWD SR 16-17,Page No.150,SI No.19.77)			
	Basic rate		103	
	Maintenance- 4th year escalation of 16%		16.48	
	Add 10% For area wightage		11.95	
		Rate	131.43	Cum
	Maintenance for 4th Year:			
66	Mixing earth and sludge or manure in the required proportion spec	itied or dii	rected by the O	tticer-in-charge
	(Non SOR item)			
	Rate Approved as per EOI by MD MSCL Mangalore,Refer			
	Sr.No.28		23.91	
	Maintenance- 4th year escalation of 16%	-	3.83	
1			5.05	
		Rate	27.74	Cum

	Sr.No.34 Maintenance- 4th year escalation of 16%		<u>560.00</u> 89.6	
	Rate Approved as per EOI by MD MSCL Mangalore,Refer		560.00	
70	Maintenance for 4th Year: supply and fixing of irrigation lines such that all the green areas and plants are adequately watered; means of drip irrigation for trees, sub surface for shrubs and lawn areas / ground covers and pop sprinklers for lawn areas. (Equipment make - Rainbird or equivalent) All material used should be comply to BSI code. All the necessary value and pump required for comple commissioning to be installed. (Non SOR Item)			
		Rate	34534.45	real
	Maintenance- 4th year escalation of 16%	Data	4599.12	Vaar
	Add 10% For area wightage		1190.848	
	Mazdoor = 0.5 days x 258.88		11908.48	
	days,consider watering at every 3 days)	_	44000 10	
	61rs/hr (365days-90 days of mansoon=275 days/3 days=92		10030	
	Watering with tanker to landscape area and plants for one year Water Tanker =61 Rs/ Hour,One Year Cost=92 days x 3 hrs x		16836	
69	Maintenance for 4th Year:			
	IRRIGATION			
		Rate	181.89	
	Sr.No.32 Maintenance- 4th year escalation of 16%		<u>156.80</u> 25.09	
	Rate Approved as per EOI by MD MSCL Mangalore,Refer		450.00	
	(Non SOR Item)			
68	ZOYSIA JAPONICA (MAT)			
	Maintenance for 4th Year:			
	TURF	Rate	131.43	Sqm
	Add 10% For area wightage		11.95	
	Maintenance- 4th year escalation of 16%		16.48	
	Basic rate		103	
67	complete including cost of all materials, scaffolding HOM of machineries with all lead and lifts, labor charges including implementation of Environmental and Social Safeguards & as per design, drawin technical specifications and directions of Engineer-in-charge.			
_	Maintenance of lawns or Turfing of slopes (rough grassing) for a period of one year including watering e			
	Maintenance for 4th Year:			

Assistant Executive Engineer MSCL Mangaluru

Executive Engineer MSCL Mangaluru