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Work Estimate Preparation

Work Estimate Number UDD/2019-20/OW/WORK_INDENT932

Add work description / Add non-SR items to detailed estimate

Item specification / work description:*

Item Code:*

Unit:*

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Quantity:*

Rate (INR):*

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Detail Estimates

| Order | Item Name | Item Code | Unit | Quantity | Rate (INR) | Total (INR) | Actions |
|-------|--|-----------|------|-----------|------------|-------------|-------------|
| 1 | KSRRB M1100-3.1. Bored cast-in-situ R.C.C Pile with OPC designmix M35 @ 390Kgs, with 20mm and down size graded granite metal coarseaggregate @ 0.68 cum and fine aggregates @ 0.45cum, with superplasticiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, Specifications and removal of excavated earth with all lifts & lead up to 1000m including coasts of all materials, labour, HOM form works, scaffolding & centering complete as per specifications. Morth specification no.1100 & 1700 (Page no 197, item no 25.3, SR 2018-19) Pile diameter 600mm | 1 | Rmt | 3024 | 4234.56 | 12805309.44 | Prepare LBD |
| 2 | KSRRB M1100-3.1. Bored cast-in-situ R.C.C Pile with OPC designmix M35 @ 390Kgs, with 20mm and down size graded granite metal coarseaggregate @ 0.68 cum and fine aggregates @ 0.45cum, with superplasticiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, Specifications and removal of excavated earth with all lifts & lead up to 1000m including coasts of all materials, labour, HOM form works, scaffolding & centering complete as per specifications. Morth specification no.1100 & 1700 (Page no 197, item no 25.3, SR 2018-19) Pile diameter 450mm | 2 | Rmt | 1456 | 3175.92 | 4624139.52 | Prepare LBD |
| 3 | KSRRB 2-2.1 : Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 M in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 M after breaking of clods complete as per specifications. specification. No.KBS 2.1(a) / 2.3.5 (Page no 6, item no 2.3 SR 2018-19) | 3 | Cum | 2930.882 | 328.9 | 963967.09 | Prepare LBD |
| 4 | KSRRB 2-2.2 : Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 M in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 M after breaking of clods complete as per specifications. specification. No.KBS 2.1(2) / 2.3.5 (Page no 6, item no 2.4 SR 2018-19) | 4 | Cum | 1741.71 | 492.8 | 858314.69 | Prepare LBD |
| 5 | KSRRB 2.2 : Extra for excavation under water condition and or foul conditions including bailing/pumping out, removing slush add 20% of the rate of the respective rate on account of slope progress of work under this conditions. specification. (Page no 8 , Note : 2, SR 2018-19) | 5 | Cum | 1741.71 | 98.56 | 171662.94 | Prepare LBD |
| 6 | KSRRB 2-2.4 : Excavation 1.5 M and above in width in soft rock without blasting for foundations of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches not exceeding 1.5 M in depth, stacking the excavated soil clear from edges of excavation with lead upto 50 M including cost of explosives, labour and HOM of equipment complete as per specifications. specification. No.KBS 2.1.C /2.9.4/2.18/2.19 (Page no 6, item no 2.6 SR 2018-19) | 6 | Cum | 1161.14 | 1563.1 | 1814977.93 | Prepare LBD |
| 7 | KSRRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations up-to plinth in layers not exceeding 20 cm in depth, compacting each deposited layer by ramming after watering with lead up-to 50 M and lift up-to 1.5 M including cost of all labour complete as per specifications. specification. No. KBS 2.9 (Page no 7, item no 2.10 SR 2018-19) | 7 | Cum | 14753.191 | 221.1 | 3261930.53 | Prepare LBD |
| 8 | KSRRB 300-64.2. Extra for watering the earth to bring the earth up to required optimum moisture content with machinery including cost of all labour, HOM of machineries complete as per specifications. MORTH / Chapter 3 (Page no 148, item no 19.72 SR 2018-19) | 8 | Cum | 4083.106 | 2.2 | 8982.83 | Prepare LBD |
| 9 | KSRRB 300-65. Extra for rolling to specification with the use of vibratory roller when earth is suitable moisture content to achieve desired field density as per the requirements of table 300-2 of MORTH V revision. including HOM of machineries, labour, materials, complete as per specifications. MORTH/Chapter 3 (Page no 148, item no 19.73 SR 2018-19) Cricket Ground Filling (Area taken in soft copy) | 9 | Cum | 4083.106 | 14.3 | 58388.42 | Prepare LBD |
| 10 | KSRRB 2.8 : Providing & Filling in foundation with granite / trap broken metal 100 mm & down size, with approved sand including hand packing, ramming, watering including cost of all material labour with all lead and lift. complete as per specifications.No.KBS (Page no 7, item no 2.15 SR 2018-19)For Column Footing | 10 | Cum | 131.468 | 2795.1 | 367466.21 | Prepare LBD |
| 11 | KSRRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 kgs,with 40 mm and down size graded granite metal coarse aggregate @ 0.85 cum and fine aggregate @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15 cm thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (page 13, item no 4.3 PWDSR 2018-19). | 11 | Cum | 384.364 | 6063.2 | 2330475.8 | Prepare LBD |
| 12 | KSRRB 4-1.6 : Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240 kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.53 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, | 12 | Cum | 10.58 | 6490 | 68664.2 | Prepare LBD |

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|-------|--|-----------|------|----------|------------|-------------|-------------|
| | including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2 (Page No. 13, Item No. 4.6, SR 2018-19) | | | | | | |
| 13 | KSRB-3.2: Providing and injecting chemical emulsion for Pre-construction Anti-Termite Treatment, creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, with chloropyriphos emulsifiable concentrates of 20% concentration, including cost of chemical, diluting in water to one percent concentration, labour, HOM of equipments, complete as per specifications. (Plinth area of the building at ground floor only shall be measured) Specification No. KBS : 3.2.6 / 3.2.7 (Page no 9, item no 3.2 SR 2018-19) | 13 | Sqm | 6777.951 | 115.5 | 782853.34 | Prepare LBD |
| 14 | KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of design mix M-25 with OPC cement @ 340 Kgs, with 20mm and down size graded granite metal coarse aggregate @ 0.70 cum and fine aggregate @ 0.47 cum with super plasticizer @ 3 lts conforming to IS 9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation footings, pedestals, retaining walls, return walls, walls (any thickness) including attached plasters, columns, pillars, posts, struts, buttresses, bed blocks, anchor blocks, plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 (Page no 14, item no 4.10 , PWD SR 2018-19) | 14 | Cum | 960.02 | 6817.8 | 6545224.36 | Prepare LBD |
| 15 | KSRB 4.2.7 : Providing & laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.70 cum and fine aggregates @ 0.47 cum, with with superplasticiser @ 3lts conforming to IS9103-1999 Reaffirmed-2008 , machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels and beams retaining walls, return walls, walls (Any thickness) including attached pilasters, columns, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including costs of all materials, labour, HOM of machinery, curing, complete as per specifications. sPECIFICATION no. kbs 4.1, 4.6(Page no 14, item no 4.12 , PWD SR 2018-19) i) Ground floor | 15 | Cum | 855.98 | 7074.1 | 6055288.12 | Prepare LBD |
| 16 | KSRB 4.2.7 : Providing & laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.70 cum and fine aggregates @ 0.47 cum, with with superplasticiser @ 3lts conforming to IS9103-1999 Reaffirmed-2008 , machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels and beams retaining walls, return walls, walls (Any thickness) including attached pilasters, columns, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including costs of all materials, labour, HOM of machinery, curing, complete as per specifications. sPECIFICATION no. kbs 4.1, 4.6(Page no 14, item no 4.12 , PWD SR 2018-19) ii) First floor | 16 | Cum | 557.41 | 7140.1 | 3979963.14 | Prepare LBD |
| 17 | KSRB 4.2.7 : Providing & laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.70 cum and fine aggregates @ 0.47 cum, with with superplasticiser @ 3lts conforming to IS9103-1999 Reaffirmed-2008 , machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels and beams retaining walls, return walls, walls (Any thickness) including attached pilasters, columns, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including costs of all materials, labour, HOM of machinery, curing, complete as per specifications. sPECIFICATION no. kbs 4.1, 4.6(Page no 14, item no 4.12 , PWD SR 2018-19) iii) Second floor | 17 | Cum | 365.09 | 7206.1 | 2630875.05 | Prepare LBD |
| 18 | KSRB 4.2.7 : Providing & laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.70 cum and fine aggregates @ 0.47 cum, with with superplasticiser @ 3lts conforming to IS9103-1999 Reaffirmed-2008 , machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels and beams retaining walls, return walls, walls (Any thickness) including attached pilasters, columns, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including costs of all materials, labour, HOM of machinery, curing, complete as per specifications. sPECIFICATION no. kbs 4.1, 4.6(Page no 14, item no 4.12 , PWD SR 2018-19) iv) Terrace floor | 18 | Cum | 19.93 | 7272.1 | 144932.95 | Prepare LBD |
| 19 | Providing and laying cement concrete using 20mm and down size graded granite coarse aggregates and fine aggregates of ready mixed concrete M-30 for R.C.C works laid in 15cm thick layers and well compacted including vibrating curing etc., for all super structure works with all lead and lift etc., complete. (Exclusive of cost of steel and fabrication charges) (Page No. 19, Item No. 4.49.3, SR 2018-19) i) Ground floor | 19 | Cum | 367.383 | 6157.8 | 2262271.04 | Prepare LBD |
| 20 | Providing and laying cement concrete using 20mm and down size graded granite coarse aggregates and fine aggregates of ready mixed concrete M-30 for R.C.C works laid in 15cm thick layers and well compacted including vibrating curing etc., for all super structure works with all lead and lift etc., complete. (Exclusive of cost of steel and fabrication charges) (Page No. 19, Item No. 4.49.3, SR 2018-19) i) First floor | 20 | Cum | 141.31 | 6223.8 | 879485.18 | Prepare LBD |
| 21 | KSRB 4-4.1: Extra for use of water proofing compound in Cement concrete of mix 1:1:2, at one kg of compound per bag of cement. Specification No. KBS(Page no 15 , item no 4.24 SR 2018-19) i) Ground floor | 21 | Cum | 15.642 | 229.9 | 3596.1 | Prepare LBD |
| 22 | KSRB 4-4.1: Extra for use of water proofing compound in Cement concrete of mix 1:1:2, at one kg of compound per bag of cement. Specification No. KBS(Page no 15 , item no 4.24 SR 2018-19) ii) First floor | 22 | Cum | 141.313 | 229.9 | 32487.86 | Prepare LBD |
| 23 | KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (Page no 16 , item no 4.28 SR 2018-19) | 23 | Sqm | 1448.92 | 289.3 | 419172.56 | Prepare LBD |
| 24 | KSRB 4-6.8 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beams haunchings, cantilever girders, bressumers and lintels exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (Page no 17, item no 4.35 SR 2018-19) | 24 | Sqm | 829.786 | 451 | 374233.49 | Prepare LBD |
| 25 | KSRB 4-6.5: Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (Page no 16, item no 4.32 SR 2018-19) | 25 | Sqm | 3191.6 | 501.6 | 1600906.56 | Prepare LBD |
| 26 | KSRB 4-6.9 : Providing and removing centering, shuttering, strutting, propping & removal of form work etc., for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness above 200mm including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (Page no 16, item no 4.30 SR 2018-19) | 26 | Sqm | 5928.28 | 495 | 2934498.6 | Prepare LBD |
| 27 | KSRB 4-6.11 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specification. Specification No. KBS 4.6.2 (Page no 17, item no 4.38 SR 2018 - 19) | 27 | Sqm | 1224.58 | 617.1 | 755688.32 | Prepare LBD |
| 28 | KSRB 4-6.7 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost | 28 | Sqm | 2005.28 | 321.2 | 644095.94 | |

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|-------|---|-----------|-------|----------|------------|-------------|-------------|
| | of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (Page no 17, item no 4.34, SR 2018-19) | | | | | | Prepare LBD |
| 29 | KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls as per thickness, including attached pilasters, buttresses, plinth and string course cost of all materials, labour complete as per specification. Specification No. KBS 4.6.2 (Page no 16, item no 4.31 SR 2018 - 19) | 29 | Sqm | 2147.13 | 397.1 | 852625.32 | Prepare LBD |
| 30 | KSRB 4.9.2: Providing T.MT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 (Page no 18, item no 4.46.2 SR 2018-19) T.MT Bar Fe500 | 30 | Tonne | 440.101 | 77860.2 | 34266351.88 | Prepare LBD |
| 31 | KSRB 5-1.1 : Providing and constructing granite / trap / basalt rubble stone masonry in foundation with cement mortar 1:8 (Uncoursed), bond stones at 2M apart in each course including cost of materials, labour, curing complete as per specification.KBS 5.1.12, (Page No. 25, Item No. 5.2, SR 2018-19) | 31 | Cum | 62.462 | 4338.4 | 270985.14 | Prepare LBD |
| 32 | KSRB 15.1.1 : Providing Flush Pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (Page No. 115, Item No. 15.1, SR 2018-19) | 32 | Sqm | 382.275 | 156.2 | 59711.35 | Prepare LBD |
| 33 | Providing and constructing laterite size stone masonry including cost and conveyance of all materials curing etc complete as per specification. I.S. 3620/1979 having compressive strength not less than 3.5N/mm2 for isolated dry samples. FOR SUPER STURCTRE in C M 1:6 (Cement 45 kgs/M3) (Page no 384, item no 42.5.3 SR 2018-19) i) Ground floor | 33 | Cum | 427.956 | 3730.1 | 1596318.68 | Prepare LBD |
| 34 | Providing and constructing laterite size stone masonry including cost and conveyance of all materials curing etc complete as per specification. I.S. 3620/1979 having compressive strength not less than 3.5N/mm2 for isolated dry samples. FOR SUPER STURCTRE in C M 1:6 (Cement 45 kgs/M3) (Page no 384, item no 42.5.3 SR 2018-19)ii) First floor | 34 | Cum | 147.041 | 4073.3 | 598942.11 | Prepare LBD |
| 35 | Providing and constructing laterite size stone masonry including cost and conveyance of all materials curing etc complete as per specification. I.S. 3620/1979 having compressive strength not less than 3.5N/mm2 for isolated dry samples. FOR SUPER STURCTRE in C M 1:6 (Cement 45 kgs/M3) (Page no 384, item no 42.5.3 SR 2018-19)iii) Second Floor | 35 | Cum | 290.885 | 4416.5 | 1284693.6 | Prepare LBD |
| 36 | KSRB 5-15 : Providing and constructing non-load bearing wall with Solid concrete blocks of size 400x100x200mm having a block density not less than 1800kg/cum having a minimum average compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including costof all materials, labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. KBS No. 5.4 (Page No. 27, Item No. 5.28, SR 2018-19) Ground floor | 36 | Sqm | 183.208 | 892.1 | 163439.86 | Prepare LBD |
| 37 | KSRB 5-15 : Providing and constructing non-load bearing wall with Solid concrete blocks of size 400x100x200mm having a block density not less than 1800kg/cum having a minimum average compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including costof all materials, labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. KBS No. 5.4 (Page No. 27, Item No. 5.28, SR 2018-19) First floor | 37 | Sqm | 488.833 | 930.6 | 454907.99 | Prepare LBD |
| 38 | KSRB 5-15 : Providing and constructing non-load bearing wall with Solid concrete blocks of size 400x100x200mm having a block density not less than 1800kg/cum having a minimum average compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including costof all materials, labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. KBS No. 5.4 (Page No. 27, Item No. 5.28, SR 2018-19)Second floor | 38 | Sqm | 776.711 | 969.1 | 752710.63 | Prepare LBD |
| 39 | KSRB 6-6.4 : Providing and constructing burnt brick masonry with approved quality of modular bricks of standard size of class designation 7.5N/Sqm (machine moulded wirecut bricks) alternative course stacked at 45 degrees with distance as mentioned in drawing with cement mortar 1:3 for scaffolding, curing complete as per specifications. (Page no 30, item no 6.22 SR 2018-19) i) First floor | 39 | Cum | 70.29 | 12234.2 | 859941.92 | Prepare LBD |
| 40 | KSRB 6-6.4 : Providing and constructing burnt brick masonry with approved quality of modular bricks of standard size of class designation 7.5N/Sqm (machine moulded wirecut bricks) alternative course stacked at 45 degrees with distance as mentioned in drawing with cement mortar 1:3 for scaffolding, curing complete as per specifications. (Page no 30, item no 6.22 SR 2018-19) ii) Second floor | 40 | Cum | 149.673 | 12300.2 | 1841007.83 | Prepare LBD |
| 41 | KSRB15-3-13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (Page no 116, item no15.21 SR 2018-19) Ground floor | 41 | Sqm | 3849.227 | 259.6 | 999259.33 | Prepare LBD |
| 42 | KSRB15-3-13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (Page no 116, item no15.21 SR 2018-19) First floor | 42 | Sqm | 1935.974 | 266.2 | 515356.28 | Prepare LBD |
| 43 | KSRB15-3-13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (Page no 116, item no15.21 SR 2018-19)iii) First floor | 43 | Sqm | 1070.342 | 272.8 | 291989.3 | Prepare LBD |
| 44 | KSRB 15.3.5 Providing 15mm 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. (Page no 115,item no 15.13 SR 2018-19) i) Ground floor | 44 | Sqm | 3469.74 | 244.2 | 847310.51 | Prepare LBD |
| 45 | KSRB 15.3.5 Providing 15mm 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. (Page no 115,item no 15.13 SR 2018-19)First floor | 45 | Sqm | 3388.55 | 250.8 | 849848.34 | Prepare LBD |
| 46 | KSRB 15.3.5 Providing 15mm 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. (Page no 115,item no 15.13 SR 2018-19) Second floor | 46 | Sqm | 1553.93 | 257.4 | 399981.58 | Prepare LBD |
| 47 | KSRB15-3.10: Providing 20mm thick cement plaster in single coat with cement mortar 1:3, to stone masonry & Concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (Page no 116 item no 15.18 SR 2018-19)Ground floor | 47 | Sqm | 640.69 | 320.1 | 205084.87 | Prepare LBD |
| 48 | KSRB15-3.10: Providing 20mm thick cement plaster in single coat with cement mortar 1:3, to stone masonry & Concrete surface including rounding off corners | 48 | Sqm | 830.17 | 333.3 | 276695.66 | |

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| | wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (Page no 116 item no 15.18 SR 2018-19)First floor | | | | | | Prepare LBD |
| 49 | KSRB15-3.10: Providing 20mm thick cement plaster in single coat with cement mortar 1:3, to stone masonry & Concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (Page no 116 item no 15.18 SR 2018-19)Second floor | 49 | Sqm | 2483.64 | 346.5 | 860581.26 | Prepare LBD |
| 50 | KSRB 15.3.5 Providing 15mm 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. External Single Coat (Page no 115,item no 15.13 SR 2018-19) First floor | 50 | Sqm | 431.096 | 257.4 | 110964.11 | Prepare LBD |
| 51 | KSRB 15.3.5 Providing 15mm 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. External Single Coat (Page no 115,item no 15.13 SR 2018-19)Second floor | 51 | Sqm | 635.1 | 270.6 | 171858.06 | Prepare LBD |
| 52 | KSRB 15-4.1 Extra for providing and mixing waterproofing compound in cement plaster work in brick masonry at one kg per bag or in the proportion recommended by the manufacturers, for cement mortar 1:3, 12mm thick cost of materials complete as per specifications. (Page No. 116, Item No. 15.23, SR 2018-19) | 52 | Sqm | 1154.623 | 7.7 | 8890.6 | Prepare LBD |
| 53 | KSRB 15.8.1 Providing and fixing plaster mesh 100mm wide manufactured out of hot dipped galvanized iron of nominal thickness 0.35mm with a zinc coating of 120gms per sq m width, along route of walls chipped for services, junction between RCC and brick walls including cost of materials, labour for fixing complete as per specifications. (length of mesh only be measured for payment) (Page no 117, item no 15.34 SR 2018-19) | 53 | Rmt | 1870.824 | 28.6 | 53505.57 | Prepare LBD |
| 54 | Providing, fabricating an fixing of stick type structural glazing using aluminium extrusion of 63.5 mm x 58.00 mm x 2.25 mm of 1.73 kgs/mtr for vertical and horizontal members and 63.5mm x 38.1 mm x 1.33 mm of 0.759 kg/Mtr, as outer frame with electro anodized paint coated block finishing, using 6mm thick imported glass reflective hard coated ocean blue raw glass with all necessary accessories like ultra glass silicon sealent of space tape, masking tape, galvanized anchor bolt, machine screws, 6mm thick MS angle 50mm x 150mm x 6mm MS galvanized L Brackets, structural sealent setting clocks, fasteners, wall connection etc., complete (Page No. 40, Item No. 7.20, SR 2018 - 19)Ground floor | 54 | Sqm | 267.375 | 7318.3 | 1956730.46 | Prepare LBD |
| 55 | Providing, fabricating an fixing of stick type structural glazing using aluminium extrusion of 63.5 mm x 58.00 mm x 2.25 mm of 1.73 kgs/mtr for vertical and horizontal members and 63.5mm x 38.1 mm x 1.33 mm of 0.759 kg/Mtr, as outer frame with electro anodized paint coated block finishing, using 6mm thick imported glass reflective hard coated ocean blue raw glass with all necessary accessories like ultra glass silicon sealent of space tape, masking tape, galvanized anchor bolt, machine screws, 6mm thick MS angle 50mm x 150mm x 6mm MS galvanized L Brackets, structural sealent setting clocks, fasteners, wall connection etc., complete (Page No. 40, Item No. 7.20, SR 2018 - 19) i) First floor | 55 | Sqm | 13.195 | 7324.9 | 96652.06 | Prepare LBD |
| 56 | Providing, fabricating an fixing of stick type structural glazing using aluminium extrusion of 63.5 mm x 58.00 mm x 2.25 mm of 1.73 kgs/mtr for vertical and horizontal members and 63.5mm x 38.1 mm x 1.33 mm of 0.759 kg/Mtr, as outer frame with electro anodized paint coated block finishing, using 6mm thick imported glass reflective hard coated ocean blue raw glass with all necessary accessories like ultra glass silicon sealent of space tape, masking tape, galvanized anchor bolt, machine screws, 6mm thick MS angle 50mm x 150mm x 6mm MS galvanized L Brackets, structural sealent setting clocks, fasteners, wall connection etc., complete (Page No. 40, Item No. 7.20, SR 2018 - 19) i) Second floor | 56 | Sqm | 63.48 | 7331.5 | 465403.62 | Prepare LBD |
| 57 | Providing and fixing of glazed 3 Track - 2 Panel sliding door made out of multi chambered uPVC sections with TPV gaskets having isolated drainage and reinforced with Galvanized iron profiles through out the window. The sliding outer frame having a overall size of 60x45mm with reinforcement of 1mm thickness, super sas with overall size of 39x75 mm with reinforcement of 1.5mm thickness. Glazing bead for fixing of glass shall be of size 20x18mm and coextruded with gasket. fiber glass mesh shall be provided in mesh shutter. Window/Door shall be provided with 6mm plain float glass, standard hardware abd multipoint locking system of patio espagnolette. Wall thickness of frame mullion and sash shall be 2-2.2mm (Page No. 309, Item No. 38.44.6, SR 2018-19) i) Ground floor | 57 | Sqm | 1.6 | 6242.5 | 9988 | Prepare LBD |
| 58 | Providing and fixing of glazed 3 Track - 2 Panel sliding door made out of multi chambered uPVC sections with TPV gaskets having isolated drainage and reinforced with Galvanized iron profiles through out the window. The sliding outer frame having a overall size of 60x45mm with reinforcement of 1mm thickness, super sas with overall size of 39x75 mm with reinforcement of 1.5mm thickness. Glazing bead for fixing of glass shall be of size 20x18mm and coextruded with gasket. fiber glass mesh shall be provided in mesh shutter. Window/Door shall be provided with 6mm plain float glass, standard hardware abd multipoint locking system of patio espagnolette. Wall thickness of frame mullion and sash shall be 2-2.2mm (Page No. 309, Item No. 38.44.6, SR 2018-19) i) First floor | 58 | Sqm | 11.45 | 6249.1 | 71552.2 | Prepare LBD |
| 59 | Providing and fixing Double Shutter Glass door of 12mm thick frosted toughened glass of approved make (saint gobain, modi float). The door is fixed by using any approved make hardware fitting like patch fitting, pivot, floor machine, locking arrangements and suitable SS door rails with floral glass etching for 1/3 portion of door area Etc. Complete. The rate includes cost of all materials, labour, hire if tools and machineries, as per specifications Etc. Complete. (Page No. 325, Item No. 39.8, SR 2018-19) i) First floor | 59 | Sqm | 31.487 | 9358.8 | 294680.54 | Prepare LBD |
| 60 | Providing and fixing factory made PVC Door frame of size 50x47mm with a wall thickness of 5mm, made out of extruded 5mm rigid PVC foam sheet metered cut at corners and jointed 2 No.s of 150mm long brackets of 15x15mm MS Square tube, the entire door frame to be reinforced with 19x19 mm MS square tube of 19 gauge. The door frame to be fixed to the wall using MS screws of 65/80mm size complete as per manufacturers specification and direction of Engineer-in-charge (Page No. 60, Item No. 9.84, SR 2018 - 19) i) Ground floor | 60 | Sqm | 1.603 | 513.7 | 823.46 | Prepare LBD |
| 61 | Providing and fixing factory made PVC Door frame of size 50x47mm with a wall thickness of 5mm, made out of extruded 5mm rigid PVC foam sheet metered cut at corners and jointed 2 No.s of 150mm long brackets of 15x15mm MS Square tube, the entire door frame to be reinforced with 19x19 mm MS square tube of 19 gauge. The door frame to be fixed to the wall using MS screws of 65/80mm size complete as per manufacturers specification and direction of Engineer-in-charge (Page No. 60, Item No. 9.84, SR 2018 - 19) i) First floor | 61 | Sqm | 71.677 | 518.1 | 37135.85 | Prepare LBD |
| 62 | Providing and fixing 30mm thick factory made rigid foam Prelam Panelled Door Shutters with both side prelam made from MS tube of 19x19mm, 19 gauge for styles and 15x15mm for top and bottom rails, covered with heat moulded prelaminated PVC C Channel of 5mm thick sheet and 30x50mm wide to form styles and 5mm thick and 75mm wide prelaminated PVC sheets for top rail, lock rail and bottom rail on either side and 5mm thick, 20mm wide cross PVC sheet as gap insert for top rail and bottom rail, Panelling of 5mm thick PVC sheet prelaminated on either side fitted in the MS frame, sealed to the styles and rails with PVC Designer beading on either side and joined together with solvent cement adhesive etc.,complete as per manufacturers specification and direction of Engineer-in-charge fixed to frames with 3 nos of 75mm Aluminium hinges. (Page No. 61, Item No. 9.85.1, SR 2018 - 19) i) Ground floor | 62 | Sqm | 1.603 | 4120.6 | 6605.32 | Prepare LBD |

| Order | Item Name | Item Code | Unit | Quantity | Rate (INR) | Total (INR) | Actions |
|-------|---|-----------|------|----------|------------|-------------|-------------|
| 63 | Providing and fixing 30mm thick factory made rigid foam Prelam Panelled Door Shutters with both side prelam made from MS tube of 19x19mm, 19 gauge for styles and 15x15mm for top and bottom rails, covered with heat moulded prelaminated PVC C Channel of 5mm thick sheet and 30x50mm wide to form styles and 5mm thick and 75mm wide prelaminated PVC sheets for top rail, lock rail and bottom rail on either side and 5mm thick, 20mm wide cross PVC sheet as gap insert for top rail and bottom rail, Panelling of 5mm thick PVC sheet prelaminated on either side fitted in the MS frame, sealed to the styles and rails with PVC Designer beading on either side and joined together with solvent cement adhesive etc., complete as per manufacturers specification and direction of Engineer-in-charge fixed to frames with 3 nos of 75mM Aluminium hinges. (Page No. 61, Item No. 9.85.1, SR 2018 - 19) ii) First floor | 63 | Sqm | 71.677 | 4125 | 295667.62 | Prepare LBD |
| 64 | Providing and fixing RCC door frames factory manufactured, with C.C. 1:1 1/2 :3 reinforced with 3 Nos. of 6 mm dia. Main bars and 6 mm dia. Stirrups welded at 30 cm C/C, vibrating, curing including cost of steel and fabrication charges having 3 Nos. of hinges with 20mm x 3mm MS. flat welded with required iron rods and flats with drilling and fixing 4 No. of flat screw nuts each in concrete for fixing hinges and making necessary provision in concrete for fixing al drops, tower bolts etc., including cost of one coat of oil based enamel primer, 4 No. of hold fasts, 3 Nos. ISS Iron oxidized hinges necessary metal screws etc., complete. 60mm x 100 mm size-Door frames. Specification No. KBS (Page no 63, item no 9.98 SR 2018-19) i) Second floor | 64 | Rmt | 39.55 | 984.5 | 38936.98 | Prepare LBD |
| 65 | Providing and fixing factory made splendor of solid core single leaf rigid composite polymer laminated sal wood, door shutter of 30mm thickness, manufactured out of solid core door conforming to IS 2202 (Part-1) 1991, laminated with 0.8 mm thick polymer, termite, water resistant and fire retardant with superior gluing based on vacuum lamination technology and with various pre moulded design on both faces conforming to IS 6307-1985, using adhesive conforming to IS 4835-1979 and door shutters tested in conformation to IS 4020-1994. The finish of shutters will be TEADK/OAK/CEDAR/ROSE WOOD/WALNUT, plain coloures WHITE/IVORY/BEIGE /LIGHT GREY. Excluding cost of fixtures and inclusive of supply of shutters to respective work spot. (Page no 62, item no 9.90.1, SR 2018-19) i) Second floor | 65 | Sqm | 17.104 | 3579.4 | 61222.06 | Prepare LBD |
| 66 | Providing and fixing of glazed 2 track-2 Panel sliding windows made out of multi chamered UPVC (Matching to RAL-9016) sections and with minimum TiO2 (Titanium Dioxide) at 6PHR with TPV (Thermo plastic Vulcanized) and lead free, gaskets -grey colour having isolated drainage and reinforced with galvanized iron profile throughout the window frame. The outer frame having a overall size of 50mm width x 42mm height with reinforcement of 1mm thickness and sash with overall size of 31mm x 57mm with GI reinforcement of 1mm for the frame and 1.5mm for the sash. Glazing bead for fixing of glass shall be of size 21.5mm x 9.5mM Windows shall be provided with 5mm plain float glass, standard hardware & single point locking system with touch lock. Wall thickness of frame & sash shall be of 1.8+-0.2 mM Maximum possible size - 1519mm x 1519mm (Page No. 308, Item No. 38.44.3, SR 2018 - 19) i) First floor | 66 | Sqm | 9.128 | 4994 | 45585.23 | Prepare LBD |
| 67 | Providing and fixing of Louver Ventilator made out of multi chambered UPVC (Matching to RAL-9016)sections with minimum TiO2 (Titanium Dioxide) at 6PHR with TPV (Thermo plastic Vulcanized) and lead free, gaskets -grey colour having isolated drainage and reinforced with galvanized iron profile through-out the window frame. The frame having a overall size of 39mm width x 39mm GI reinforcement of 1mm thickness louver clip in aluminium (powder coated in white) will be used on the frame along with plastic parts for fixing the 4mm pin head glass. Wall thickness of frame shall be 2mM Maximum possible size 1000mm x 1000mm (Page No. 308, Item No. 38.44.2, SR 2018 - 19) | 67 | Sqm | 0.72 | 3995.2 | 2876.54 | Prepare LBD |
| 68 | Providing and fixing stainless steel 304 grade for staircase railings, balconies, ramps, with hand rail, 50mm dia 16 gauge hollow pipe welded to vertical hollow 50mm dia pipe of 16 gauge, stainless steel vertical pipe spaced at 1.20m regular intervals and 5 Nis of 25mm dia. stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire essembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cos of materials, labour, HOM of and electrical charges, etc., complete as per specification. (Page no 45, item no 7.38 SR 2018-19) i) Ground floor | 68 | Sqm | 39.428 | 6597.8 | 260138.06 | Prepare LBD |
| 69 | Providing and fixing stainless steel 304 grade for staircase railings, balconies, ramps, with hand rail, 50mm dia 16 gauge hollow pipe welded to vertical hollow 50mm dia pipe of 16 gauge, stainless steel vertical pipe spaced at 1.20m regular intervals and 5 Nis of 25mm dia. stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire essembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cos of materials, labour, HOM of and electrical charges, etc., complete as per specification. (Page no 45, item no 7.38 SR 2018-19) i i) First floor | 69 | Sqm | 26.066 | 6604.4 | 172150.29 | Prepare LBD |
| 70 | Providing and fixing stainless steel 304 grade for staircase railings, balconies, ramps, with hand rail, 50mm dia 16 gauge hollow pipe welded to vertical hollow 50mm dia pipe of 16 gauge, stainless steel vertical pipe spaced at 1.20m regular intervals and 5 Nis of 25mm dia. stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire essembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cos of materials, labour, HOM of and electrical charges, etc., complete as per specification. (Page no 45, item no 7.38 SR 2018-19) i i) Second floor | 70 | Sqm | 15.87 | 6611 | 104916.57 | Prepare LBD |
| 71 | KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint with primer of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. (Page no 119, item no 15.51.2 SR 2018-19) i) Ground floor (qty same as item no: 35) | 71 | Sqm | 3849.227 | 99 | 381073.47 | Prepare LBD |
| 72 | KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint with primer of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. (Page no 119, item no 15.51.2 SR 2018-19) i i) First floor (qty same as item no: 35) | 72 | Sqm | 1935.974 | 103.4 | 200179.71 | Prepare LBD |
| 73 | KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint with primer of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. (Page no 119, item no 15.51.2 SR 2018-19) i i i) Second floor (qty same as item no: 35) | 73 | Sqm | 1070.342 | 107.8 | 115382.87 | Prepare LBD |
| 74 | KSRB 15-15.2 : Extra over item 15-51.3 for for painting two coats with plastic emulsion paint of approved brand and shade on ceiling and / or slo[ping roof as per specifications.. (Page no 119, item no 15.51.3 SR 2018-19) | 74 | Sqm | 6855.54 | 5.5 | 37705.47 | Prepare LBD |
| 75 | KSRB 15-14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after thoroughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. (Page no 119, item no 15.49.1 SR 2018-19) i) Ground floor (qty same as item no: 36) | 75 | Sqm | 2758.145 | 121 | 333735.54 | Prepare LBD |
| 76 | KSRB 15-14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after thoroughly brooming the surface free from mortar drops and other | 76 | Sqm | 3279.886 | 125.4 | 411297.7 | Prepare LBD |

| Order | Item Name | Item Code | Unit | Quantity | Rate (INR) | Total (INR) | Actions |
|-------|---|-----------|------|----------|------------|-------------|-------------|
| | foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. (Page no 119, item no 15.49.1 SR 2018-19) ii) First floor (qty same as item no: 36) | | | | | | |
| 77 | KSRB 15-14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after thoroughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. (Page no 119, item no 15.49.1 SR 2018-19) iii) Second floor (qty same as item no: 36) | 77 | Sqm | 1453.561 | 129.8 | 188672.22 | Prepare LBD |
| 78 | KSRB 15-13.1 Providing and applying one coat distemper primer of approved brand on wall surface after thoroughly brooming the surface to remove all dirt, dust, mortar drops and other foreign matter including preparing the surface, even and sand paper smooth, cost of materials, labour, complete as per specifications. (Page No. 118, Item No. 15.46.1, SR 2018-19) i) Ground floor (qty same as item no: 37) | 78 | Sqm | 155.177 | 38.5 | 5974.31 | Prepare LBD |
| 79 | KSRB 15-13.1 Providing and applying one coat distemper primer of approved brand on wall surface after thoroughly brooming the surface to remove all dirt, dust, mortar drops and other foreign matter including preparing the surface, even and sand paper smooth, cost of materials, labour, complete as per specifications. (Page No. 118, Item No. 15.46.1, SR 2018-19) ii) First floor (qty same as item no: 37) | 79 | Sqm | 108.658 | 42.9 | 4661.43 | Prepare LBD |
| 80 | KSRB 15-13.1 Providing and applying one coat distemper primer of approved brand on wall surface after thoroughly brooming the surface to remove all dirt, dust, mortar drops and other foreign matter including preparing the surface, even and sand paper smooth, cost of materials, labour, complete as per specifications. (Page No. 118, Item No. 15.46.1, SR 2018-19) iii) Second floor (qty same as item no: 37) | 80 | Sqm | 100.365 | 47.3 | 4747.26 | Prepare LBD |
| 81 | KSRB 15-13.2 : Extra over item 15-13.1 for applying one coat of distemper primer over ceiling and / or sloping roof as per specifications. (Page No. 118, Item No. 15.46.2, SR 2018-19) | 81 | Sqm | 364.2 | 3.3 | 1201.86 | Prepare LBD |
| 82 | KSRB 15-13.3 : Providing and applying two coats dry distemper of approved brand, and shade on wall surface including priming coat and whitening after thoroughly brooming the surface to remove all dirt, dust, mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. (Page No. 118, Item No. 15.47.1, SR 2018-19) i) Ground floor (qty same as item no: 37) | 82 | Sqm | 155.177 | 80.3 | 12460.71 | Prepare LBD |
| 83 | KSRB 15-13.3 : Providing and applying two coats dry distemper of approved brand, and shade on wall surface including priming coat and whitening after thoroughly brooming the surface to remove all dirt, dust, mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. (Page No. 118, Item No. 15.47.1, SR 2018-19) ii) First floor (qty same as item no: 37) | 83 | Sqm | 108.658 | 84.7 | 9203.33 | Prepare LBD |
| 84 | KSRB 15-13.3 : Providing and applying two coats dry distemper of approved brand, and shade on wall surface including priming coat and whitening after thoroughly brooming the surface to remove all dirt, dust, mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. (Page No. 118, Item No. 15.47.1, SR 2018-19) iii) Second floor (qty same as item no: 37) | 84 | Sqm | 100.362 | 89.1 | 8942.25 | Prepare LBD |
| 85 | KSRB 15-13.4 : Extra over item 15-13.3 for applying distemper primer over ceiling and / or sloping roof as per specifications. (Page No. 118, Item No. 15.47.2, SR 2018-19) | 85 | Sqm | 364.15 | 6.6 | 2403.39 | Prepare LBD |
| 86 | KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint with primer of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. (Page no 120, item no 15.53.2, SR 2018-19) i) Ground floor (qty same as item no: 38,39) | 86 | Sqm | 640.686 | 112.2 | 71884.97 | Prepare LBD |
| 87 | KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint with primer of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. (Page no 120, item no 15.53.2, SR 2018-19) ii) First floor (qty same as item no: 38,39) | 87 | Sqm | 830.164 | 116.6 | 96797.12 | Prepare LBD |
| 88 | KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint with primer of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. (Page no 120, item no 15.53.2, SR 2018-19) iii) Second floor (qty same as item no:39,40) | 88 | Sqm | 2951.634 | 121 | 357147.71 | Prepare LBD |
| 89 | KSRB 14.6-2 : Providing and laying heavy duty cobble stones 75mm thick interlock pavers, 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 50mm thick sand bed (Average thickness) abd compacting with plate vibrator having 3 tons of compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints in to its final level, including cost of materials, labour and HOM of machineries complete as per specifications. (Page No. 103, Item No. 14.7, SR 2018 - 19) | 89 | Sqm | 1287.618 | 1225.4 | 1577847.1 | Prepare LBD |
| 90 | Providing and laying flooring using prepolished, water cut/gang saw 19mm thick granite laid with a bed of 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to match shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials, mortar and labour etc., complete as per specification. Using Silver grey Granite / Multy Red / Ruby Red / Hassan Green Granite of width not less than 1200mm (Page No. 109, Item No. 14.47.1, SR 2018 - 19) | 90 | Sqm | 149.89 | 3015.1 | 451933.34 | Prepare LBD |
| 91 | KSRB 14.14-5: Providing Ceramic tiles of size 30 X 30 Cms 6mm thick approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications. Specification No. KBS (Page no 108, item no 14.36.2, SR 2018-19) i) Ground floor | 91 | Sqm | 154.17 | 1332.1 | 205369.86 | Prepare LBD |
| 92 | KSRB 14.14-5: Providing Ceramic tiles of size 30 X 30 Cms 6mm thick approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications. Specification No. KBS (Page no 108, item no 14.36.2, SR 2018-19) ii) First floor | 92 | Sqm | 1481.54 | 1334.3 | 1976818.82 | Prepare LBD |
| 93 | KSRB 14.14-5: Providing Ceramic tiles of size 30 X 30 Cms 6mm thick approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications. Specification No. KBS (Page no 108, item no 14.36.2, SR 2018-19) iii) Second floor | 93 | Sqm | 63.85 | 1336.5 | 85335.53 | Prepare LBD |
| 94 | Providing and fixing Vitrified glazed tiles of approved make, quality & colour of size 600 x 600 x 10mm thick fixed on bed of 12mm thick cement mortar for flooring, skirting and jointed with neat cement slurry mixed with pigment to match shade of tiles, including providing spacers at required interval and removing stains, including cost of all materials, mortar, labour, etc., complete as per specification. (Page No. 109, Item No. 14.45, SR 2018 - 19) i) Ground floor | 94 | Sqm | 10.98 | 1240.8 | 13623.98 | Prepare LBD |
| 95 | Providing and fixing Vitrified glazed tiles of approved make, quality & colour of size 600 x 600 x 10mm thick fixed on bed of 12mm thick cement mortar for flooring, skirting and jointed with neat cement slurry mixed with pigment to match shade of tiles, including providing spacers at required interval and removing stains, including | 95 | Sqm | 206.397 | 1243 | 256551.47 | Prepare LBD |

| Order | Item Name | Item Code | Unit | Quantity | Rate (INR) | Total (INR) | Actions |
|-------|---|-----------|------|----------|------------|-------------|-------------|
| | cost of all materials, mortar, labour, etc., complete as per specification. (Page No. 109, Item No. 14.45, SR 2018 - 19) ii) First floor | | | | | | |
| 96 | Providing and fixing Vitrified glazed tiles of approved make, quality & colour of size 600 X 600 X 10mm thick fixed on bed of 12mm thick cement mortar for flooring, skirting and jointed with neat cement slurry mixed with pigment to match shade of tiles, including providing spacers at required interval and removing stains, including cost of all materials, mortar, labour, etc., complete as per specification. (Page No. 109, Item No. 14.45, SR 2018 - 19) iii) Second floor | 96 | Sqm | 802.586 | 1245.2 | 999380.09 | Prepare LBD |
| 97 | Providing Venyl flooring of approved quality and make, fixed on the top of existing flooring fixed with suitable adhesive, including cutting to the required size and fixing etc., complete including cost of all materials, mortar labour, curing etc., complete as per specification. (Page No. 113, Item No. 14.72, SR 2018 - 19) i) First floor | 97 | Sqm | 43.92 | 618.2 | 27151.34 | Prepare LBD |
| 98 | Providing and laying platform using prepolished, water cut / gang saw 40mm thick telephonic Black Granite. laid on existing vertical supports and fixing in CM 1:3 proportion. including cutting to required shape, pattern with paper joints, including full rounding for nosing, finished with cement mortar, pointed with colour pigments to match the colour of slab making through jointing with sealant, making holes 25mmx12mm grooves in joints including cost of all materials, mortar, labour, curing etc., complete as per specifications. (Page No. 110, Item No. 14.52, SR 2018-19) i) First floor | 98 | Sqm | 18.708 | 3879.7 | 72581.43 | Prepare LBD |
| 99 | Providing and laying platform using prepolished, water cut / gang saw 40mm thick telephonic Black Granite. laid on existing vertical supports and fixing in CM 1:3 proportion. including cutting to required shape, pattern with paper joints, including full rounding for nosing, finished with cement mortar, pointed with colour pigments to match the colour of slab making through jointing with sealant, making holes 25mmx12mm grooves in joints including cost of all materials, mortar, labour, curing etc., complete as per specifications. (Page No. 110, Item No. 14.52, SR 2018-19) i i) Second floor | 99 | Sqm | 8.229 | 3881.9 | 31944.16 | Prepare LBD |
| 100 | Providing full nosing for 40mm thick granite slab using required machinery including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc., complete as per specification (Page No. 111, Item No. 14.53, SR 2018-19) i) First floor | 100 | Rmt | 35.5 | 596.2 | 21165.1 | Prepare LBD |
| 101 | Providing full nosing for 40mm thick granite slab using required machinery including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc., complete as per specification (Page No. 111, Item No. 14.53, SR 2018-19) ii) Second floor | 101 | Rmt | 14.8 | 598.4 | 8856.32 | Prepare LBD |
| 102 | KSRB 14-17.2 : Providing skirting, dado, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface using glazed tiles of size 30 X 60 cm 6mm thick with border of size 30 X 10 cm of approved make and size including cost of materials, labour, complete as per specifications. Specification No.KBS 14.16, 14.17 (Page no 108, item no 14.41.2, SR 2018-19) i) Ground floor | 102 | Sqm | 21.14 | 1796.3 | 37973.78 | Prepare LBD |
| 103 | KSRB 14-17.2 : Providing skirting, dado, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface using glazed tiles of size 30 X 60 cm 6mm thick with border of size 30 X 10 cm of approved make and size including cost of materials, labour, complete as per specifications. Specification No.KBS 14.16, 14.17 (Page no 108, item no 14.41.2, SR 2018-19) ii) First floor | 103 | Sqm | 933.015 | 1798.5 | 1678027.48 | Prepare LBD |
| 104 | KSRB 14-17.2 : Providing skirting, dado, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface using glazed tiles of size 30 X 60 cm 6mm thick with border of size 30 X 10 cm of approved make and size including cost of materials, labour, complete as per specifications. Specification No.KBS 14.16, 14.17 (Page no 108, item no 14.41.2, SR 2018-19) iii) Second floor | 104 | Sqm | 191.588 | 1800.7 | 344992.51 | Prepare LBD |
| 105 | Providing and fixing 20mm thick gang saw water cut LAKARED granite for cladding in CM 1:4 proportion with a coat of rough plastering using CM 1:4, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, grooves in joints including cost of curing etc., complete including cost and conveyance of all materials, mortar, labour for all items of work, HOM etc., complete as per specification (Page no111, Item No 14.60, SR 2018-19) i) Ground floor | 105 | Sqm | 27.03 | 3820.3 | 103262.71 | Prepare LBD |
| 106 | Providing and fixing 20mm thick gang saw water cut LAKARED granite for cladding in CM 1:4 proportion with a coat of rough plastering using CM 1:4, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, grooves in joints including cost of curing etc., complete including cost and conveyance of all materials, mortar, labour for all items of work, HOM etc., complete as per specification (Page no111, Item No 14.60, SR 2018-19) ii) First floor | 106 | Sqm | 49.256 | 3822.5 | 188281.06 | Prepare LBD |
| 107 | Fabrication supplying and erecting MS tubular trusses of all span with prefabricated steel applications using quality material and durable, reliable and corrosion and abrasion resistant. Welding shall confirm to latest structural welding code. Quality shall be on various parameters like shape,Size, design gauge and polish. The entire trusses is anchored like shape, size,design gauge and polish. The enire trusses is anchored in RCC column by using 4 no.s of MS anchor bolts at each support with 10mm thick base plate and shoe plate. the works including cutting,straighting, placing in position of MS pipes and welding wherever necessary and applying 1 coat of red-oxide primer coat to all the memeber including cost of all material , labour charges and hire charges of machineris for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, etc., complete as per specification. (Page no43, Item No 7.29, SR 2018-19) i) Ground floor | 107 | Kg | 4815.64 | 122.1 | 587989.64 | Prepare LBD |
| 108 | Fabrication supplying and erecting MS tubular trusses of all span with prefabricated steel applications using quality material and durable, reliable and corrosion and abrasion resistant. Welding shall confirm to latest structural welding code. Quality shall be on various parameters like shape,Size, design gauge and polish. The entire trusses is anchored like shape, size,design gauge and polish. The enire trusses is anchored in RCC column by using 4 no.s of MS anchor bolts at each support with 10mm thick base plate and shoe plate. the works including cutting,straighting, placing in position of MS pipes and welding wherever necessary and applying 1 coat of red-oxide primer coat to all the memeber including cost of all material , labour charges and hire charges of machineris for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, etc., complete as per specification. (Page no43, Item No 7.29, SR 2018-19) i) Terrace floor | 108 | Kg | 12210.08 | 141.9 | 1732610.35 | Prepare LBD |
| 109 | Providing and installingof pre painted Galvolum iron Trapezoidal profiled sheet of approved make 1060 mm width (1000 mm coverqidth)28-30 mm crest height with crest distance of 200 mm c/c with 2 ribs at the center for stiffening. The total coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02mm tolerance Zinc-Alu Alloycoating AZ150 gsm as per ASTM 1397/A755-550 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns usingself drilling/self tapping screws of 25 mm length, to be fixed over the existing purlins, rafters,channels and trusses. (Page No 300, item no 38.30, PWD SR 2018-19) i)Terrace Floor | 109 | Sqm | 1402.86 | 756.8 | 1061684.45 | Prepare LBD |
| 110 | Providing and fixing 6mm clear / opal white / solar / bronze / blue / green / tinted multi wall poly carbonate sheet for tubular structure. The work including cost of all materials, labour charges and hire charges of machineris for cutting, welding, grinding and erection equipments, with all lead and lifts , transportation, loading and unloading and all other incidental charges etc. complete as per specification and directions of the engineer incharge of the work. (Page No. 50, Item No. 8.27, SR 2018-19) i) Second floor | 110 | Sqm | 84.825 | 3438.6 | 291679.24 | Prepare LBD |

| Order | Item Name | Item Code | Unit | Quantity | Rate (INR) | Total (INR) | Actions |
|-------|--|-----------|-------|----------|------------|-------------|-------------|
| 111 | Providing, fixing , erecting and commissioning automatic lift , including necessary approval from respective authority and complete as per specification.(Pit less) a) 16 Passanger | 111 | No | 2 | 1657355 | 3314710 | Prepare LBD |
| 112 | Water required to fill the swimming pool | 112 | Ltr | 2950000 | 0.167 | 492650 | Prepare LBD |
| 113 | Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixing with suitable bolts and nuts, the free end shall be welded to the pole and block pipe at top end and bottom as required including cost of all materials, labour, lead and lifts and as per the direction of engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint, including cost of materials, labours, HOM complete as per specification (Page no 266, item no 37.3, SR 2018-19) | 113 | Sqm | 904.629 | 786.5 | 711490.71 | Prepare LBD |
| 114 | KSRB 15-18.1 : Applying red lead ready mix priming coat over new steel or other metal surface including preparing the surface after thoroughly cleaning oil, grease, dirt and other foreign matter, and scoured with wire brushes, fine steel wool, sand papers including cost of materials, labour, complete as per specifications. (Page no 123, item no 15.73, SR 2018-19) | 114 | Sqm | 904.629 | 45.1 | 40798.77 | Prepare LBD |
| 115 | KSRB 15-18.4 : Providing and applying aluminium paint one coat (Excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. (Page no 123, item no 15.77, SR 2018-19) | 115 | Sqm | 904.629 | 51.7 | 46769.32 | Prepare LBD |
| 116 | Earthwork excavation including- loosening of soil , removing debris, weeds if any and breaking of clumps,watering etc [considered for top 1' soil] . (Except For tree pits excavation quatity mentioned separately.) | 116 | Cum | 1570.84 | 160 | 251334.4 | Prepare LBD |
| 117 | Digging and excavation of tree pits of 0.75 Mx 0.75 M x 1M, Backfilling of excavated soil for tree pits and mixing with suitable quantities of red soil, manure and sand | 117 | Cum | 25 | 700 | 17500 | Prepare LBD |
| 118 | Supplying and filling Red Garden soil (on ground) free from weeds,debris and other organic matter including leveling and spreading as per the direction etc., complete | 118 | Cum | 235.6 | 800 | 188480 | Prepare LBD |
| 119 | Supplying (on ground) and mixing of Farm Yard Manure to the given Red soil as per specification mentioned | 119 | Cum | 25 | 7500 | 187500 | Prepare LBD |
| 120 | Supplying (on ground) and mixing Sand to the given Red soil and FYM | 120 | Cum | 25 | 2000 | 50000 | Prepare LBD |
| 121 | Cassia fistula White(White Golden Shower Tree) - Min 11' tall, 8' clear trunk, well branched, healthy specimen Height - 3500mm | 121 | No | 12 | 3700 | 44400 | Prepare LBD |
| 122 | Tabebuia Pallida(Trumpet Tree) - Min 13' tall, 10' clear trunk, well branched, healthy specimen. Height - 4000mm | 122 | No | 11 | 4500 | 49500 | Prepare LBD |
| 123 | Supplying and planting of shrubs/climbers/creepers/ground cover of the specified species,including cultivation of planting bed mixed with well decomposed Horse manure / cowdung ('20mm' of manure , '40mm' fine river sand mixed thoroughly with red garden soil as per direction. The filled soil shall be mixed with neem cake pesticide and bone meal in the required proportions as suggested by architect. - Acalypha hispida(Cat's Tail) - Height 450mm | 123 | No | 28 | 150 | 4200 | Prepare LBD |
| 124 | Supplying and planting of shrubs/climbers/creepers/ground cover of the specified species,including cultivation of planting bed mixed with well decomposed Horse manure / cowdung ('20mm' of manure , '40mm' fine river sand mixed thoroughly with red garden soil as per direction. The filled soil shall be mixed with neem cake pesticide and bone meal in the required proportions as suggested by architect. - Allamanda cathartica(Yellow shrub Allamanda) - Height 400mm | 124 | No | 24 | 140 | 3360 | Prepare LBD |
| 125 | Supplying and planting of shrubs/climbers/creepers/ground cover of the specified species,including cultivation of planting bed mixed with well decomposed Horse manure / cowdung ('20mm' of manure , '40mm' fine river sand mixed thoroughly with red garden soil as per direction. The filled soil shall be mixed with neem cake pesticide and bone meal in the required proportions as suggested by architect - Costus Speciosus Variegated(Varigated Button ginger) Height 450mm | 125 | No | 32 | 250 | 8000 | Prepare LBD |
| 126 | Supplying and planting of shrubs/climbers/creepers/ground cover of the specified species,including cultivation of planting bed mixed with well decomposed Horse manure / cowdung ('20mm' of manure , '40mm' fine river sand mixed thoroughly with red garden soil as per direction. The filled soil shall be mixed with neem cake pesticide and bone meal in the required proportions as suggested by architect. - Heliconia psittacorumYellow(Yellow Parrot's beak) - Height 600mm | 126 | No | 30 | 120 | 3600 | Prepare LBD |
| 127 | Supplying and planting of shrubs/climbers/creepers/ground cover of the specified species,including cultivation of planting bed mixed with well decomposed Horse manure / cowdung ('20mm' of manure , '40mm' fine river sand mixed thoroughly with red garden soil as per direction. The filled soil shall be mixed with neem cake pesticide and bone meal in the required proportions as suggested by architect. - Meyenia erecta(King's Mantle) - Height 400mm | 127 | No | 20 | 130 | 2600 | Prepare LBD |
| 128 | Supplying and planting of shrubs/climbers/creepers/ground cover of the specified species,including cultivation of planting bed mixed with well decomposed Horse manure / cowdung ('20mm' of manure , '40mm' fine river sand mixed thoroughly with red garden soil as per direction. The filled soil shall be mixed with neem cake pesticide and bone meal in the required proportions as suggested by architect. - Strelitzia reginae(Bird of Paradise) - Height 750mm | 128 | No | 23 | 650 | 14950 | Prepare LBD |
| 129 | Providing and dibbling of good quality lawn of the specified species in lawn area, with clods broken completely, and removal of debris and unwanted materials. Soil mixture shall be of 15% manure, 20% river sand, and 65% red earth. The filled soil shall be mixed with neem cake/Pongamia cake, pesticide in the required proportions. Mexican Carpet (Carpet grass) | 129 | Sqm | 356.28 | 420 | 149637.6 | Prepare LBD |
| 130 | EPOXY COATING : Providing fusion bonded epoxy coating not less than 175 microns thickness and up to 300 microns to reinforcement of all diameters as per IS : 13620-1993 including testing of coating at plant. The rate is inclusive of cost on account of careful handling , PVC coated binding wire instead of GI Binding wire, touch up material supplied by coating agency , repair work , loading , unloading and straightening of bent rods etc., complete as per specification and as directed by Engineer in charge. (Page no 40, item no 7.21.1/7.21.2 SR 2018-19) do - For 10mm to 32mm dia | 130 | Tonne | 438.191 | 10403.25 | 4558610.52 | Prepare LBD |
| 131 | 11KV Outdoor cubicle DOS type Compact Ring main unit as per MESCOM requirement comprising of 2 Nos. incomers of 11KV 630A, 26.3kA, 3P drawout type LBS & 1 No. outgoing of 11KV, 630A, 26.3kA, 3P drawout type VCB's earth switch with all accessories and all metering protection for satisfactory operation to meet local supply authority and CEIG complience etc., as required. Bus bar should be copper with current density of 1.3A/sqmM The cubicle shall be made out of 14G MS sheet & | 131 | No | 1 | 917655 | 917655 | Prepare LBD |

| Order | Item Name | Item Code | Unit | Quantity | Rate (INR) | Total (INR) | Actions |
|-------|---|-----------|------|----------|------------|-------------|-------------|
| | shall confirm to IP5X/IP65classification. The unit shall be mounted on PCC pedestal. Refer to the Power distribution scheme. | | | | | | |
| 132 | Metering cubicle made out of 2.5mm cold rolled, mild steel, metal clad and shall be suitable for operation on 11kV, 3 Phase, 50 Hz, AC earthed system The panel shall contain resin cast CT & PT, electronic trivectormeter or TOD, test terminal block & 1no 630A LBS to the requirement of MESCOM Calibrate at MESCOM RT Division, erect, commission and seal at site in the presence of MESCOM RT Division personnel. Pad locking facilities wherever required. Necessary space shall be provided for entry of HT cable from the bottom through detachable gland plates. The panel shall be finished with two coat of air drying red oxide and 2 coats of epoxy paint certifying to shade RAL 631. (Refer to the Power distribution scheme.) | 132 | No | 1 | 313905 | 313905 | Prepare LBD |
| 133 | Supply, transportation, store, erection, testing and commissioning outdoor, 11 KV / 433 V, Delta / Star, Distribution Transformer of following ratings including design, manufacturing, factory test, loading unloading complete in all forms as per approved drawings, relevant standards, technical specification of this tender and direction of Engineer in charge, complete with all accessories including the following minimum details: 160 KVA Transformer as described above | 133 | No | 1 | 546603 | 546603 | Prepare LBD |
| 134 | Supply of 3 core HT 11 KV(E) Aluminium conductor steel Armoured XLPE cable as per IS 7098 Part -II and as per standard specification, 3 core x 95sq.mm Cable (XLPE) | 134 | Rmt | 375 | 1040 | 390000 | Prepare LBD |
| 135 | Laying, Testing and commissioning of one number PVC insulated XLPE power cable of 11 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required, up-to 120 sq. mm | 135 | Rmt | 375 | 438 | 164250 | Prepare LBD |
| 136 | Supply and making indoor cable end termination with heat shrinkable jointing kit complete with all accessories including lugs suitable for following size of 3 core, XLPE aluminium conductor cable of 11 KV grade as required, 95 sq. mm | 136 | Nos. | 6 | 8947 | 53682 | Prepare LBD |
| 137 | Supply and making outdoor cable end termination with heat shrinkable jointing kit complete with all accessories including lugs suitable for following size of 3 core, XLPE aluminium conductor cable of 11 KV grade as required, 95 sq. mm | 137 | Nos. | 2 | 15001 | 30002 | Prepare LBD |
| 138 | Supply, Installation, testing & commissioning of XLPE insulated, extruded PVC inner sheathed, FR outer sheathed armoured and PVC Sheathed overall 1.1 KV grade conforming to IS 1554 (I)/1988 24Core 2.5 Sqmm copper armoured control cable for inter locking HT Panel, Transformer OLTC to RTTC panel for 11 KV Transformer Etc.,- for 4 C x 2.5 sq.mm | 138 | Rmt | 100 | 600 | 60000 | Prepare LBD |
| 139 | Supply, Installation, testing & commissioning of End Termination for 4 C x 2.5 sq.mm Cable with copper lugs | 139 | Nos. | 2 | 250 | 500 | Prepare LBD |
| 140 | Supply and installation of HT cable route markers / joints indicating slabs as per MESCOM requirement with necessary excavation and concreting as required to complete the installation. | 140 | Nos | 10 | 1050 | 10500 | Prepare LBD |
| 141 | Providing and fixing MV. danger notice plate of 200 mm X 150 mm, made of mild steel, 2 mm thick, and vitreous enameled white on both sides, and with inscription in single red Colour on front side as required. | 141 | No. | 1 | 1200 | 1200 | Prepare LBD |
| 142 | Supply and erection of 12 SWG GI Gate with lock for HT Yard yard with frame of 2.5M high with necessary MS angle, box section. The paint shall be finished with one coat of air drying red oxide and 2 coats of epoxy paint Based on Architect/client/consultant recommendation | 142 | No | 2 | 5500 | 11000 | Prepare LBD |
| 143 | Supply & spreading of 40mm Jelly 150mm deep filling to the HT yard. | 143 | Sqm | 30 | 650 | 19500 | Prepare LBD |
| 144 | Supply & fixing of shock treatment chart duly framed with 5mm thick glass required both in Hindi, English & local language for treating person suffering due to electric shock outdoor duty fixed to Yard Fencing -inside & outside | 144 | No. | 1 | 550 | 550 | Prepare LBD |
| 145 | Supply of First Aid box conforming to IS 2217 -1963. | 145 | No. | 1 | 1050 | 1050 | Prepare LBD |
| 146 | Supply and fixing of 4.5 Kg capacity Carbon Dioxide fire extinguisher with mounting hook and discharge horn. | 146 | No. | 1 | 6500 | 6500 | Prepare LBD |
| 147 | Supply and fixing of LAMINATED Single line diagram chart duly framed with 5mm thick glass outdoor duty fixed to Yard Fencing. | 147 | No. | 1 | 1500 | 1500 | Prepare LBD |
| 148 | Supply of Rubber hand gloves suitable for 11KV. | 148 | pair | 1 | 2500 | 2500 | Prepare LBD |
| 149 | Supply and fixing Fire Bucket with stand & cover - 4 buckets. Bucket of round bottom, painted red, marked 'FIRE' and duly filled with fire river sand. | 149 | No. | 4 | 6500 | 26000 | Prepare LBD |
| 150 | Supply and erection of dismantlable 12 SWG GI chain link fence 2.5M high with necessary MS angle, box section, foundation and necessary civil works as required. The paint shall be finished with one coat of air drying red oxide and 2 coats of epoxy paint Based on Architect/client/consultant recommendation. | 150 | M | 25 | 3500 | 87500 | Prepare LBD |
| 151 | PROFESSIONAL CHARGES - Professional charges towards filing application, following & arranging approval of drawings / scheme of both external and internal works by Electrical Inspectorate, obtaining clearance from Electrical Inspectorate for the installation & commissioning of entire electrical works by obtaining clearance from electricity authority / Electrical Inspectorate/ CEIG | 151 | LS | 1 | 25000 | 25000 | Prepare LBD |
| 152 | Supply, installation, testing & commissioning of 3 Phase, 4 wire, 415 V, 50 Hz panels. Panels shall be as per Power distribution scheme & technical Specifications - LT KIOSK | 152 | No. | 1 | 74354 | 74354 | Prepare LBD |
| 153 | Supply, installation, testing & commissioning of 3 Phase, 4 wire, 415 V, 50 Hz panels. Panels shall be as per Power distribution scheme & technical Specifications - MAIN LT PANEL | 153 | No. | 1 | 976354 | 976354 | Prepare LBD |
| 154 | Supply, installation, testing & commissioning of 3 Phase, 4 wire, 415 V, 50 Hz panels. Panels shall be as per Power distribution scheme & technical Specifications. - PUMP PANEL | 154 | No. | 1 | 230390 | 230390 | Prepare LBD |
| 155 | Supply, installation, testing & commissioning of 3 Phase, 4 wire, 415 V, 50 Hz panels. Panels shall be as per Power distribution scheme & technical Specifications . LIFT PANEL | 155 | No. | 2 | 37685 | 75370 | Prepare LBD |
| | | 156 | M | 50 | 759 | 37950 | |

| Order | Item Name | Item Code | Unit | Quantity | Rate (INR) | Total (INR) | Actions |
|-------|---|-----------|------|----------|------------|-------------|-----------------|
| 156 | Supply, Laying, Testing and Commissioning of - 3.5 Core X 185 Sqmm stranded FRLS XLPE insulated, Armoured Aluminum conductor 1.1kV grade in existing hume pipe/trenches/cable trays. | | | | | | Prepare LBD |
| 157 | Supply, Installation, Testing and Commissioning of double Compression type cable gland for - 3.5 Core X 185 Sqmm cable , aluminum lugs for aluminum cables, insulation tape, anti corrosive paste, brass clamps for gland earthing with 14 SWG copper wire to connect to nearest earth flat. | 157 | Nos. | 4 | 1936 | 7744 | Prepare LBD |
| 158 | Supply, Laying, Testing and Commissioning of - 3.5 Core X 95 Sqmm stranded FRLS XLPE insulated, Armoured Aluminum conductor 1.1kV grade in existing hume pipe/trenches/cable trays. | 158 | M | 50 | 425 | 21250 | Prepare LBD |
| 159 | Supply, Installation, Testing and Commissioning of double Compression type cable gland for - 3.5 Core X 95 Sqmm cable , aluminum lugs for aluminum cables, insulation tape, anti corrosive paste, brass clamps for gland earthing with 14 SWG copper wire to connect to nearest earth flat. | 159 | Nos. | 2 | 1142 | 2284 | Prepare LBD |
| 160 | Supply, Laying, Testing and Commissioning of - 3.5 Core X 35 Sqmm stranded FRLS XLPE insulated, Armoured Aluminum conductor 1.1kV grade. | 160 | M | 135 | 218 | 29430 | Prepare LBD |
| 161 | Supply, Installation, Testing and Commissioning of double Compression type cable gland for - 3.5 Core X 35 Sqmm cable , aluminum lugs for aluminum cables, insulation tape, anti corrosive paste, brass clamps for gland earthing with 14 SWG copper wire to connect to nearest earth flat. | 161 | Nos. | 4 | 809 | 3236 | Prepare LBD |
| 162 | Supply, Laying, Testing and Commissioning of - 4 Core X 25 Sqmm stranded FRLS XLPE insulated, Armoured Aluminum conductor 1.1kV grade. | 162 | M | 200 | 198 | 39600 | Prepare LBD |
| 163 | Supply, Installation, Testing and Commissioning of double Compression type cable gland for - 4C Core X 25 Sqmm Sqmm cable , aluminum lugs for aluminum cables, insulation tape, anti corrosive paste, brass clamps for gland earthing with 14 SWG copper wire to connect to nearest earth flat. | 163 | Nos. | 6 | 674 | 4044 | Prepare LBD |
| 164 | Supply, Laying, Testing and Commissioning of - 4 Core X 16 Sqmm stranded FRLS XLPE insulated, Armoured Aluminum conductor 1.1kV grade. | 164 | M | 350 | 151 | 52850 | Prepare LBD |
| 165 | Supply, Installation, Testing and Commissioning of double Compression type cable gland for - 4 Core X 16 Sqmm Sqmm cable , aluminum lugs for aluminum cables, insulation tape, anti corrosive paste, brass clamps for gland earthing with 14 SWG copper wire to connect to nearest earth flat. | 165 | Nos. | 12 | 614 | 7368 | Prepare LBD |
| 166 | Supply, Laying, Testing and Commissioning of - 4 Core X 10 Sqmm stranded FRLS XLPE insulated, Armoured Aluminum conductor 1.1kV grade. | 166 | M | 500 | 133 | 66500 | Prepare LBD |
| 167 | Supply, Installation, Testing and Commissioning of double Compression type cable gland for - 4 Core X 10 Sqmm cable , aluminum lugs for aluminum cables, insulation tape, anti corrosive paste, brass clamps for gland earthing with 14 SWG copper wire to connect to nearest earth flat. | 167 | Nos. | 14 | 540 | 7560 | Prepare LBD |
| 168 | Supply, Laying, Testing and Commissioning of - 4 Core X 6 Sqmm stranded FRLS XLPE insulated, Armoured Aluminum conductor 1.1kV grade. | 168 | M | 750 | 108 | 81000 | Prepare LBD |
| 169 | Supply, Installation, Testing and Commissioning of double Compression type cable gland for - 4 Core X 6 Sqmm cable , aluminum lugs for aluminum cables, insulation tape, anti corrosive paste, brass clamps for gland earthing with 14 SWG copper wire to connect to nearest earth flat. | 169 | Nos. | 110 | 300 | 33000 | Prepare LBD |
| 170 | Supply, Laying, Testing and Commissioning of - 3C Core X 10 Sqmm stranded FRLS XLPE insulated, steel Armoured copper conductor 1.1kV grade. | 170 | M | 125 | 325 | 40625 | Prepare LBD |
| 171 | Supply, Installation, Testing and Commissioning of double Compression type cable gland for - 3 Core X 10 Sqmm cable , copper lugs for aluminum cables, insulation tape, anti corrosive paste, brass clamps for gland earthing with 14 SWG copper wire to connect to nearest earth flat. | 171 | Nos. | 12 | 500 | 6000 | Prepare LBD |
| 172 | Supply, Laying, Testing and Commissioning of - 3C Core X 6 Sqmm stranded FRLS XLPE insulated, steel Armoured copper conductor 1.1kV grade. | 172 | M | 90 | 210 | 18900 | Prepare LBD |
| 173 | Supply, Installation, Testing and Commissioning of double Compression type cable gland for - 3 Core X 6 Sqmm cable , copper lugs for aluminum cables, insulation tape, anti corrosive paste, brass clamps for gland earthing with 14 SWG copper wire to connect to nearest earth flat. | 173 | Nos. | 8 | 400 | 3200 | Prepare LBD |
| 174 | Supply, Laying, Testing and Commissioning of - 3C Core X 4 Sqmm stranded FRLS XLPE insulated, steel Armoured copper conductor 1.1kV grade. | 174 | M | 250 | 155 | 38750 | Prepare LBD |
| 175 | Supply, Installation, Testing and Commissioning of double Compression type cable gland for - 3 Core X 4 Sqmm cable , copper lugs for aluminum cables, insulation tape, anti corrosive paste, brass clamps for gland earthing with 14 SWG copper wire to connect to nearest earth flat. | 175 | Nos. | 12 | 200 | 2400 | Prepare LBD |
| 176 | Supply, Laying, Testing and Commissioning of - 3C Core X 2.5 Sqmm stranded FRLS XLPE insulated, steel Armoured copper conductor 1.1kV grade. | 176 | M | 550 | 150 | 82500 | Prepare LBD |
| 177 | Supply, Installation, Testing and Commissioning of double Compression type cable gland for - 3 Core X 2.5 Sqmm cable , copper lugs for aluminum cables, insulation tape, anti corrosive paste, brass clamps for gland earthing with 14 SWG copper wire to connect to nearest earth flat. | 177 | Nos. | 110 | 150 | 16500 | Prepare LBD |
| 178 | Supply, Laying, Testing and Commissioning of - 3C Core X 1.5 Sqmm stranded FRLS XLPE insulated, steel Armoured copper conductor 1.1kV grade. | 178 | M | 50 | 270 | 13500 | Prepare LBD |
| 179 | Supply, Installation, Testing and Commissioning of double Compression type cable gland for - 3 Core X 1.5 Sqmm cable , copper lugs for aluminum cables, insulation tape, anti corrosive paste, brass clamps for gland earthing with 14 SWG copper wire to connect to nearest earth flat. | 179 | Nos. | 4 | 100 | 400 | Prepare LBD |
| 180 | Supply, Installation, Testing and Commissioning of MCB Distribution board as per DTS & drawings. 12 Way SPN MCB DB . 'Incomer : 1No. 32A DP, MCB 'Outgoing : 12 Nos. 10A SP MCB of 'D' curve | 180 | Nos. | 1 | 15000 | 15000 | Prepare LBD |
| 181 | Supply, Installation, Testing and Commissioning of MCB Distribution board as per DTS & drawings. 8 Way SPN MCB DB . 'Incomer : 1No. 32A DP, MCB 'Outgoing : 8 Nos. 10A SP MCB of 'D' curve | 181 | Nos. | 3 | 13000 | 39000 | Prepare LBD |
| 182 | Supply, Installation, Testing and Commissioning of MCB Distribution board as per DTS & drawings. 8 Way SPN MCB DB . 'Incomer : 1No. 40A DP, MCB 'Outgoing : 8 Nos. 32A SP MCB of 'D' curve | 182 | Nos. | 1 | 12000 | 12000 | |

| Order | Item Name | Item Code | Unit | Quantity | Rate (INR) | Total (INR) | Actions |
|-------|---|-----------|------|----------|------------|-------------|-------------|
| | | | | | | | Prepare LBD |
| 183 | Supply, Installation, Testing and Commissioning of MCB Distribution board as per DTS & drawings. 8 Way TPN MCB DB (With timer based). 'Incomer : 1No. 63A 4P, MCB Subincomer :3Nos 40A DP 30mA/30mA RCCB 'Outgoing : 24 Nos. 10A SP MCB of 'C' curve | 183 | Nos. | 3 | 28000 | 84000 | Prepare LBD |
| 184 | Supply, Installation, Testing and Commissioning of MCB Distribution board as per DTS & drawings. 6 Way TPN MCB DB 'Incomer : 1No. 63A 4P, MCB Subincomer :3Nos 40A DP 30mA/30mA RCCB 'Outgoing : 18 Nos. 10A SP MCB of 'C' curve | 184 | Nos. | 1 | 16618 | 16618 | Prepare LBD |
| 185 | Supply, Installation, Testing and Commissioning of MCB Distribution board as per DTS & drawings. 4 Way TPN MCB DB 'Incomer : 1No. 63A 4P, MCB Subincomer :3Nos 40A DP 30mA/30mA RCCB 'Outgoing : 18 Nos. 10A SP MCB of 'C' curve | 185 | Nos. | 4 | 14000 | 56000 | Prepare LBD |
| 186 | 'Supply, Installation, Testing and Commissioning of MCB Distribution board as per DTS & drawings. 6 Way TPN MCB DB . Costing shall include Timers & Same needs to be used IP-65 application . Customaization DB also acceptable 'Incomer : 1No. 63A 4P, MCB 'Outgoing : 4 Nos. 20A TP MCB of 'C' curve | 186 | Nos. | 1 | 31000 | 31000 | Prepare LBD |
| 187 | Supply, Installation, Testing and Commissioning of MCB Distribution board as per DTS & drawings. 8 Way TPN MCB DB . 'Incomer : 1No. 63A 4P, MCB Subincomer :3Nos 40A DP 30mA/100mA RCCB 'Outgoing : 24 Nos. 10A SP MCB of 'C' curve | 187 | Nos. | 1 | 18918 | 18918 | Prepare LBD |
| 188 | Supply, Installation, Testing and Commissioning of MCB Distribution board as per DTS & drawings. 6 Way TPN MCB DB . 'Incomer : 1No. 63A 4P, MCB Subincomer :3Nos 40A DP 30mA/100mA RCCB 'Outgoing : 18 Nos. 10A SP MCB of 'C' curve | 188 | Nos. | 1 | 16791 | 16791 | Prepare LBD |
| 189 | Supply, Installation, Testing and Commissioning of MCB Distribution board as per DTS & drawings. 4 Way TPN MCB DB . 'Incomer : 1No. 63A 4P, MCB Subincomer :3Nos 40A DP 30mA/100mA RCCB 'Outgoing : 12 Nos. 10A SP MCB of 'C' curve | 189 | Nos. | 2 | 15353 | 30706 | Prepare LBD |
| 190 | 'Supply, laying/Installation, Testing and Commissioning of 3 C x 2.5 Sqmm 1.1kV grade FRLSLS insulated PVC round sheathed multicore flexible cables drawn in 25mm dia PVC , 2 mm thick rigid existing conduit or in existing raceway. IS - 694 (UPS / RP/ LTG Circuit & Power looping): | 190 | M | 7500 | 80 | 600000 | Prepare LBD |
| 191 | 'Supply, laying/Installation, Testing and Commissioning of 3 C x 4 Sqmm 1.1kV grade FRLSLS insulated PVC round sheathed multicore flexible cables drawn in 25mm dia PVC , 2 mm thick rigid existing conduit or in existing raceway. IS - 694 (RAW POWER CIRCUIT :): | 191 | M | 3200 | 120 | 384000 | Prepare LBD |
| 192 | Supply, laying/Installation, Testing and Commissioning of 3Cx1.5sqmm 1.1kV grade FRLS 1100V PVC double insulated flexible multicore cable in white drawn in 20mm dia PVC 2 mm thick rigid conduits.Facade lighting and looping | 192 | Mt | 6500 | 80 | 520000 | Prepare LBD |
| 193 | Supply, Installation, Testing and Commissioning of 3Cx6sqmm 1.1kV grade FRLSLS 1100V PVC double insulated flexible multicore cable in white drawn in 20mm dia PVC 2 mm thick rigid conduits. | 193 | M | 500 | 210 | 105000 | Prepare LBD |
| 194 | Supply, Installation, Testing and Commissioning of 3 C x1.5 Sqmm FRLSLS 1100V PVC double insulated flexible multicore cable for lighting circuit / ceiling fans/ex fans & looping in 25mm dia/suitable dia PVC 2 mm thick rigid conduits.The wiring shall be complete with ceiling roses, switches ,Modular Boxes and all consumables.All circuit terminations shall be provided with solder less crimping type copper sockets / lugs, ferrules indicating source code on load side & load code on source side. There shall not be any joints in the circuits, only looping is allowed in terminal blocks & in switches/ socket outlets. Kindly refer IS 694:1990.. Primary light point means wiring FRLSom first switch point to the first light fixture . The switch and all necessary accessories would be part of primary point & The cost shall also include sub-circuit if it is drawn FRLSom adjacent switch box | 194 | Nos. | 285 | 1300 | 370500 | Prepare LBD |
| 195 | Supply, Installation, Testing and Commissioning of 3 C x1.5 Sqmm FRLSLS 1100V PVC double insulated flexible multicore cable for lighting circuit / ceiling fans/ex fans & looping in 25mm dia/suitable dia PVC 2 mm thick rigid conduits.The wiring shall be complete with ceiling roses, switches ,Modular Boxes and all consumables.All circuit terminations shall be provided with solder less crimping type copper sockets / lugs, ferrules indicating source code on load side & load code on source side. There shall not be any joints in the circuits, only looping is allowed in terminal blocks & in switches / Sensors/ socket outlets. Kindly refer IS 694:1990..Secondary light point means extention of light outlet FRLSom existing primary point. Same to be controlled by the existing switch of primary point & the cost shall include Ceiling flexible conduit at the drop of light fixture. | 195 | Nos. | 110 | 800 | 88000 | Prepare LBD |
| 196 | Supply, Installation, Testing and Commissioning of 3 C x 1.5 Sqmm 1.1kV grade FRLSLS PVC double insulated flexible multicore cable for lighting circuit/fans/ex fans & looping in 25mm dia/suitable dia PVC 2 mm thick. The wiring shall be complete with ceiling roses and all consumables.All circuit terminations shall be provided with solder less crimping type copper sockets / lugs, ferrules indicating source code on load side & load code on source side. There shall not be any joints in the circuits, only looping is allowed in terminal blocks & in switches / Sensors/ socket outlets. Kindly refer IS 694:1990.Primary light point means wiring FRLSom DB to first light point. The cost shall include Ceiling flexible conduit at the drop of light fixture.(MCB CONTROL) | 196 | Nos. | 125 | 1350 | 168750 | Prepare LBD |
| 197 | Supply, Installation, Testing and Commissioning of 3 C x 1.5 Sqmm 1.1kV grade FRLSLS PVC double insulated flexible multicore cable for lighting circuit & looping in 25mm dia/suitable dia PVC 2 mm thick. The wiring shall be complete with ceiling roses and all consumables.All circuit terminations shall be provided with solder less crimping type copper sockets / lugs, ferrules indicating source code on load side & load code on source side. There shall not be any joints in the circuits, only looping is allowed in terminal blocks & in switches / Sensors/ socket outlets. Kindly refer IS 694:1990.Secondary light point means extention of light outlet FRLSom existing primary point. The cost shall include Ceiling flexible conduit at the drop of light fixture.(MCB CONTROL) | 197 | Nos. | 275 | 900 | 247500 | Prepare LBD |
| 198 | Supply, Installation, Testing and Commissioning of the Modular/Industrial Switch, sockets with modular FRLSont plate, and accessories as per the site conditions.1x6A intel socket controlled by 6A switch' The quoted rate for power socket outlets shall include a. Socket outlets - As specified b. Switches c. FRLSont plate of required colours(As per architect Approval) with accessories | 198 | Nos. | 80 | 452 | 36160 | Prepare LBD |
| 199 | Supply, Installation, Testing and Commissioning of the Modular/Industrial Switch, sockets with modular FRLSont plate, and accessories as per the site conditions.1x6/13A intel socket controlled by 16A switch' The quoted rate for power socket outlets shall include a. Socket outlets - As specified b. Switches c. FRLSont plate of required colours(As per architect Approval) with accessories | 199 | Nos. | 60 | 702 | 42120 | Prepare LBD |
| 200 | Supply, Installation, Testing and Commissioning of Industrial plug & Sockets shall be of Polycarbonate body with plug top facility. 1No. 16A 3 pin 1phase Industrial type socket with plug top controlled by 16A DP MCB . (IP 55) As per IEC 60309 | 200 | Nos. | 5 | 4026 | 20130 | Prepare LBD |
| 201 | Supply, Installation, Testing and Commissioning of Industrial plug & Sockets shall be of Polycarbonate body with plug top facility.1No. 20A 3 pin 1phase Industrial type socket with plug top controlled by 20A DP MCB. (IP 55) As per IEC 60309 | 201 | Nos. | 5 | 4026 | 20130 | Prepare LBD |

| Order | Item Name | Item Code | Unit | Quantity | Rate (INR) | Total (INR) | Actions |
|-------|--|-----------|------|----------|------------|-------------|-------------|
| 202 | Supply, Installation, Testing and Commissioning of Industrial plug & Sockets shall be of Polycarbonate body with plug top facility.1No. 32A 3 pin 1phase Industrial type socket with plug top controlled by 32A DP MCB . (IP 55) As per IEC 60309 | 202 | Nos. | 5 | 4371 | 21855 | Prepare LBD |
| 203 | Supply and Erection of Heavy duty GI ladder type 2mm thick hot dipped galvanized by 610gms/sqm (87 microns) in line with IS: 4759. Factory made Standard accessories only to be used for bends, curve, tees etc.,The tray and accessories includes cleat angle, rungs, side runner, coupler plate, Elbows, Bends, Tees and Reducers and Hardware. The fixing of cable trays include necessary ceiling suspended / wall mounted supports fixed in ceiling with Fabricated Ms Angle supports,Ms C channel,Base plate etc, The rate shall include bends, angles, Ts, HITECH ROD and all accessories complete Supports Shall be provided at every 1200mM The cost of supports to be included. Supports must be welded to a square true ceiling base plate with arc welding, the base plate must be fixed to the true ceiling with 04 nos. of HILTI anchor fasteners. The cost of 2runs of 25x3mm GI Strip to be included in the cost of the cable tray. Supports must be made out of MS L angle type for cable tray width of 450mm and above. For Less than 450mm width tray support with hi-tech threaded rods & anchor fasteners - 450 x 50mm Size | 203 | M | 25 | 816 | 20400 | Prepare LBD |
| 204 | Supply and Erection of Heavy duty GI ladder type 2mm thick hot dipped galvanized by 610gms/sqm (87 microns) in line with IS: 4759. Factory made Standard accessories only to be used for bends, curve, tees etc.,The tray and accessories includes cleat angle, rungs, side runner, coupler plate, Elbows, Bends, Tees and Reducers and Hardware. The fixing of cable trays include necessary ceiling suspended / wall mounted supports fixed in ceiling with Fabricated Ms Angle supports,Ms C channel,Base plate etc, The rate shall include bends, angles, Ts, HITECH ROD and all accessories complete Supports Shall be provided at every 1200mM The cost of supports to be included. Supports must be welded to a square true ceiling base plate with arc welding, the base plate must be fixed to the true ceiling with 04 nos. of HILTI anchor fasteners. The cost of 2runs of 25x3mm GI Strip to be included in the cost of the cable tray. Supports must be made out of MS L angle type for cable tray width of 450mm and above. For Less than 450mm width tray support with hi-tech threaded rods & anchor fasteners - 300 x 50mm Size | 204 | M | 110 | 757 | 83270 | Prepare LBD |
| 205 | Supply and Erection of Heavy duty GI ladder type 2mm thick hot dipped galvanized by 610gms/sqm (87 microns) in line with IS: 4759. Factory made Standard accessories only to be used for bends, curve, tees etc.,The tray and accessories includes cleat angle, rungs, side runner, coupler plate, Elbows, Bends, Tees and Reducers and Hardware. The fixing of cable trays include necessary ceiling suspended / wall mounted supports fixed in ceiling with Fabricated Ms Angle supports,Ms C channel,Base plate etc, The rate shall include bends, angles, Ts, HITECH ROD and all accessories complete Supports Shall be provided at every 1200mM The cost of supports to be included. Supports must be welded to a square true ceiling base plate with arc welding, the base plate must be fixed to the true ceiling with 04 nos. of HILTI anchor fasteners. The cost of 2runs of 25x3mm GI Strip to be included in the cost of the cable tray. Supports must be made out of MS L angle type for cable tray width of 450mm and above. For Less than 450mm width tray support with hi-tech threaded rods & anchor fasteners - 150 x 50mm Size | 205 | M | 125 | 637 | 79625 | Prepare LBD |
| 206 | Supplying of 16 SWG thickness, 32mm dia rigid MS conduit pipe along with all accessories and fixing/laying of the same on the wall/ceiling as surface/recessed system as required. | 206 | M | 100 | 113 | 11300 | Prepare LBD |
| 207 | Supplying of 16 SWG thickness, 25mm dia rigid MS conduit pipe along with all accessories and fixing/laying of the same on the wall/ceiling as surface/recessed system required. | 207 | M | 100 | 101 | 10100 | Prepare LBD |
| 208 | Supplying of 16 SWG thickness, 20mm dia rigid MS conduit pipe along with all accessories and fixing/laying of the same on the wall/ceiling as surface/recessed system as required. | 208 | M | 500 | 90 | 45000 | Prepare LBD |
| 209 | Supplying of 2mm thickness, 32mm dia rigid PVC conduit pipe along with all accessories and fixing/laying of the same on the wall/ceiling as surface/recessed system as required. | 209 | M | 100 | 78 | 7800 | Prepare LBD |
| 210 | Supplying of 2mm thickness, 25mm dia rigid PVC conduit pipe along with all accessories and fixing/laying of the same on the wall/ceiling as surface/recessed system as required. | 210 | M | 2500 | 67 | 167500 | Prepare LBD |
| 211 | Supplying of 2mm thickness, 20mm dia rigid PVC conduit pipe along with all accessories and fixing/laying of the same on the wall/ceiling as surface/recessed system as required. | 211 | M | 1500 | 55 | 82500 | Prepare LBD |
| 212 | Body Earthing: 'Supply, installation, testing & commissioning of MAINTENANCEFRLSEE earthing system with Earthing Electrode dual pipe consist of 3 mtr long 47 mm dia outer pipe, 25 mm dia inner pipe, Terminal flat of 30 x 10/ 12 x 12mm, the entire construction processed with Hot Dip Galvanization, outer surface upto 100 microns, and all inner surface 300 microns, all inner annular space filled with highly conductive and non-corrosive nature crystalline material, along with electrode Moisture Booster compound of 2 x 25 Kg bags checmical of low specific resistivity Of 0.3 ohm to fill surround the pipe at the time of installation. (Moisture Booster having its property of moisture retention, conduction and non-corrosive nature). Also include 300mm x 300mm heavy duty GI FRLSame and heavy duty RCC Pre cast cover, 150mm brick masonry chamber etc., The contarctor should ensure that earthing value should be less than 1 ohm & necessary soil resistivity test to be part of contractor scope complete. | 212 | Nos. | 12 | 15000 | 180000 | Prepare LBD |
| 213 | Neutral Earthing: 'Supply, installation, testing & commissioning of MAINTENANCEFRLSEE earthing system with Earthing Electrode dual pipe consist of 3mtr long 77 mm dia outer pipe, 47 mm dia inner pipe, Terminal flat of 38 x 10 mm, the entire construction processed with Hot Dip Galvanization, outer surface upto 100 microns and all inner surface Upto 300 microns, all inner annular space filled with highly conductive and non-corrosive nature crystalline material, along with electrode Moisture Booster compound of 2 x 25 Kg bags checmical of low specific resistivity Of 0.3 ohm to fill surround the pipe at the time of installation. (Moisture Booster having its property of moisture retention, conduction and non - corrosive nature). Also include 300mm x 300mm heavy duty GI FRLSame and heavy duty RCC Pre cast cover, 150mm brick masonry chamber etc., complete. The contarctor should ensure that earthing value should be less than 1 ohm & necessary soil resistivity test to be part of contractor scope complete | 213 | Nos. | 4 | 18000 | 72000 | Prepare LBD |
| 214 | Supply, installation, of - 8 SWG GI Wire | 214 | M | 500 | 35 | 17500 | Prepare LBD |
| 215 | Supply, installation, testing & commissioning of 25 x 3mm GI Earth flat on cable tray or below ground as per site condition. Cost of civil works shall be included for strips laid below ground. Including connection/ terminating with nut, bolt, spring, washer etc. as required. Jointing shall be done by overlapping and with 2 sets of brass nut bolt & spring washer spaced at 50mM Joints to be welded for GI and brazing for copper strips. | 215 | M | 350 | 75 | 26250 | Prepare LBD |
| 216 | Supply, installation, testing & commissioning of 25 x 6mm GI Earth flat on cable tray or below ground as per site condition. Cost of civil works shall be included for strips laid below ground. Including connection/ terminating with nut, bolt, spring, washer etc. as required. Jointing shall be done by overlapping and with 2 sets of brass nut | 216 | M | 550 | 120 | 66000 | Prepare LBD |

| Order | Item Name | Item Code | Unit | Quantity | Rate (INR) | Total (INR) | Actions |
|-------|---|-----------|-------|----------|------------|-------------|-------------|
| | bolt & spring washer spaced at 50mm Joints to be welded for GI and brazing for copper strips. | | | | | | |
| 217 | Supply, installation, testing & commissioning of Busbar of 0.5 Mtr length made out of 50 x 6 mm GI strip with drill holes of M8 at 25mm interval mounted on insulators with glass covered box & Naming to be done as per the Requirement. | 217 | Nos. | 1 | 1200 | 1200 | Prepare LBD |
| 218 | SITC of - 8 SWG Cu Wire | 218 | M | 250 | 75 | 18750 | Prepare LBD |
| 219 | Supply, installation, testing & commissioning of 25 x 3mm Cu. Earth flat on cable tray or below ground as per site condition. All Cu. Strips shall be run in pvc heat shrinkable sleeve & mounted on insulation mounts. Cost of civil works shall be included for strips laid below ground. Including connection/ terminating with nut, bolt, spring, washer etc. as required. Jointing shall be done by overlapping and with 2 sets of brass nut bolt & spring washer spaced at 50mm Joints to be welded for GI and brazing for copper strips. | 219 | M | 150 | 450 | 67500 | Prepare LBD |
| 220 | Supply, installation, testing & commissioning of 25 x 6mm Cu. Earth flat on cable tray or below ground as per site condition. All Cu. Strips shall be run in pvc heat shrinkable sleeve & mounted on insulation mounts. Cost of civil works shall be included for strips laid below ground. Including connection/ terminating with nut, bolt, spring, washer etc. as required. Jointing shall be done by overlapping and with 2 sets of brass nut bolt & spring washer spaced at 50mm Joints to be welded for GI and brazing for copper strips. | 220 | M | 50 | 900 | 45000 | Prepare LBD |
| 221 | Supply and fixing of 1.1 KV grade nominal 2.0 mm +/- 10% thick insulated Synthetic Mat conforming to IS 15652: 2006 and meeting the requirements of IS 5216 (Part1,2&3), IS 8437, IEC-479 Pub-1, along-with suitable adhesive/ chemibound, Pu resin, waterproofing compound and sealing material as per in service recommendation - 2 m x 1m All the items shall be of IS certified . All the items shall be in line with CEA requirement | 221 | Nos. | 5 | 1300 | 6500 | Prepare LBD |
| 222 | Supply & fixing of shock treatment chart duly FRLSamed with 5mm thick glass required both in Hindi, English & Kannada for treating person suffering due to electric shock suitable to mount on wall.All the items shall be of IS certified . All the items shall be in line with CEA requirement | 222 | Nos. | 1 | 200 | 200 | Prepare LBD |
| 223 | Supply of First Aid box conforming to IS 2217 -1963.All the items shall be of as per indian red cross society recommdation . All the items shall be in line with CEA requirement | 223 | Nos. | 1 | 1300 | 1300 | Prepare LBD |
| 224 | Providing and fixing L.V. danger notice plate of 200 mm X 150 mm, made of mild steel, 2 mm thick, and vitreous enameled white on both sides, and with inscription in single red Colour on FRLSont side as required. All the items shall be of IS certified . All the items shall be in line with CEA requirement | 224 | Nos. | 1 | 300 | 300 | Prepare LBD |
| 225 | Supply and fixing of self illuminated LAMINATED Single line diagram chart duly FRLSamed with 5mm thick glass suitable to mount on wall with studs. (AO/A3 size) All the items shall be of IS certified . All the items shall be in line with CEA requirement | 225 | Nos. | 1 | 2500 | 2500 | Prepare LBD |
| 226 | Supply, fabrication & installation of MS support with 2 coats of anti rusting primer & epoxy enamel paint - Approval should be taken before operating the item | 226 | Kgs | 750 | 130 | 97500 | Prepare LBD |
| 227 | Supply & Installation of 150mm wide x 100mm depth 16G DB cabinet MS Powder coated of DB colour. | 227 | Mtr | 10 | 1250 | 12500 | Prepare LBD |
| 228 | Supply & Installation of Rubber hand gloves suitable for 1.1KV.All the items shall be of IS certified . All the items shall be in line with CEA requirement | 228 | Pairs | 1 | 500 | 500 | Prepare LBD |
| 229 | Supply, installation, testing & commissioning of following sizes of single phase 240 volt, 50HZ AC supply, minimum 1500 rpm, heavy duty acid proof exhaust fan complete with all accessories such as motor, blades, louvers FRLSame, bracket, capacitor (Power efficient) etc. including all accessories as required as per (IS: 2312 -1967 & IS: 3588-1987) approved drawings, specifications of this tender and directions of Engineer-in-Charge.'450 mm sweep | 229 | Nos. | 5 | 5500 | 27500 | Prepare LBD |
| 230 | Supply, Installation, Testing and Commissioning of single phase 240 volt, 50HZ AC supply, minimum 1400 rpm, 600mm dia, heavy duty WALL MOUNTED industrial fan complete with all accessories such as motor, blades, louvers FRLSame, bracket, capacitor (Power efficient) etc. including all accessories as required as per (IS: 2312 -1967 & IS: 3588-1987) approved drawings, specifications of this tender and directions of Engineer-in-Charge.Make - Almonard | 230 | Nos. | 8 | 4500 | 36000 | Prepare LBD |
| 231 | Supply & Installation of Fire Barrier Sealants (acrylic Latex Caulk) for Metal pipes,cables through Gypsum walls of 50 mm thick with smaller gaps of less than 20 mm | 231 | Rmtr | 5 | 5500 | 27500 | Prepare LBD |
| 232 | Supply & Installation of 2 hour fire rated fire retardant material sealing all electrical cutouts/ducts and openings made in the slab / wall / partition to take conduits / cable trays / raceways etc as required complete / as directed by the site incharge. | 232 | M | 5 | 8500 | 42500 | Prepare LBD |
| 233 | Supply & Installation of as built drawings:Preparation and Submission of self illuminated A1 size as built drawings of total work executed (5 Sets hard and 1 Sets soft copy in Pen drive/CD's) | 233 | LS | 1 | 25000 | 25000 | Prepare LBD |
| 234 | Emergency power off - 'The EPO station button has one double pole, double throw momentary contact push-button switch. One normally opened (NO) contact is connected FRLSom the power source (240 V AC) to the shunt trip contactor coil. When actuated, the contact connects the 240V AC power. One normally closed (NC) contact is connected to the BMS or monitoring/alarm system for the raised floor operation such that an alarm point is displayed or recorded to identify the specific EPO station which has been activated. | 234 | Nos | 1 | 18000 | 18000 | Prepare LBD |
| 235 | Design, manufacture, assembly, supply, installation, testing, delivery and commissioning 5 KVA UPS for Continuous rating, online, double conversion operating 1 ph input and 1 ph output UPS system with IGBT rectifier as per technical specifications. The UPS shall consist of a Breaker & breaker cabinet, rectifier / charger, a single-phase inverter, static transfer switch, Maintenance Bi-pass Switch, battery units accessories as required for proper operation. | 235 | Nos | 1 | 105000 | 105000 | Prepare LBD |
| 236 | 40w LED tube light fixture | 236 | Nos | 170 | 3093 | 525810 | Prepare LBD |
| 237 | 20w LED tube light fixture | 237 | Nos | 280 | 2748 | 769440 | Prepare LBD |
| 238 | 30 LED down lightfiture | 238 | Nos | 20 | 5738 | 114760 | Prepare LBD |
| | 20 LED down lightfiture | 239 | Nos | 75 | 1310 | 98250 | |

















| Order | Item Name | Item Code | Unit | Quantity | Rate (INR) | Total (INR) | Actions |
|-------|--|-----------|------|----------|------------|-------------|-------------|
| 239 | | | | | | | Prepare LBD |
| 240 | 12W LED down light fixture | 240 | Nos | 60 | 908 | 54480 | Prepare LBD |
| 241 | 45W LED single arm wall light fixture | 241 | Nos | 7 | 3438 | 24066 | Prepare LBD |
| 242 | 60W LED single arm pole mounted light fixture with 3M height pole | 242 | Nos | 12 | 5508 | 66096 | Prepare LBD |
| 243 | 100W LED flood light fixture | 243 | Nos | 15 | 7808 | 117120 | Prepare LBD |
| 244 | 8W LED Bollard light fixture with pole | 244 | Nos | 32 | 1698 | 54336 | Prepare LBD |
| 245 | 10W LED Bulk head in die cast aluminium housing with diffuser. Make - Bajaj, Cat.No - BIBDP 10W LED. | 245 | Nos. | 2 | 1195 | 2390 | Prepare LBD |
| 246 | Supply, installation, testing & commissioning of 3 Mtr height MS Tubular pole with double arm suitable to fix 1 No 60W high performance LED road lighting luminaire. The rate shall include cost of marshalling box with loop in loop out facility, Gland knockouts, Terminal blocks, Provision for earthing etc. Rate shall also include the cost of wiring using 3R X 2.5 Sqmm cu wire. Rate shall exclude the cost of Civil works like foundation etc. in this item | 246 | Nos | 90 | 11143 | 1002870 | Prepare LBD |
| 247 | Supply, Installation, Testing and Commissioning of single phase 230 volt, 50HZ AC supply, minimum 1500 rpm, ceiling fan complete with all accessories such as motor, blades, louvers FRL Same, bracket, capacitor (Power efficient) etc. including all accessories as required. | 247 | Nos | 160 | 1943 | 310880 | Prepare LBD |
| 248 | Supply, Installation, Testing and Commissioning of Ceiling fan point controlled by a switch and stepped type electronic regulator. Rate to include cost of 10 mm MS hook housed in 16 gauge MS box flush mounted in ceiling slab. Rate to include cost of regulator and switch. | 248 | Nos | 175 | 1253 | 219275 | Prepare LBD |
| 249 | A 14W/m Profile with IP65 Strip Body colour: Anodized Aluminium IP rating: Tending towards IP66 (To be used with Silicone Gel) Diffuser: Frosted White Lumen Output: >1180lm/m Accessories: 1 mounting clip per meter. Std length - 2m End caps extra. 2 years warranty. | 249 | No | 40 | 218 | 8720 | Prepare LBD |
| 250 | A 14W/m Profile with IP65 Strip Body colour: Anodized Aluminium Body colour: Anodized Aluminium IP rating: Tending towards IP66 (To be used with Silicone Gel) Diffuser: Frosted White Lumen Output: >1180lm/m Accessories: 1 mounting clip per meter. Std length - 2m End caps extra. 2 years warranty. | 250 | No | 52 | 218 | 11336 | Prepare LBD |
| 251 | A 4 feet 36W Outdoor Linear Wallwasher (WallGrazer) IP Protection: IP65 Beam Angle: 60deg Diffuser: Colour temperature: 3000k, 4000K, 5000k Plain Lumen Output - > 3960 lm Accessories: Included 2 years warranty. | 251 | No | 86 | 218 | 18748 | Prepare LBD |
| 252 | A 10W Outdoor Pillar Washer - 1 way IP Protection: IP65 Beam Angle: 18 deg Diffuser: Plain Colour temperature: 3000k, 4000K, 5000k Lumen Output - > 1200 lm Accessories: Included 2 years warranty. | 252 | M | 14 | 218 | 3052 | Prepare LBD |
| 253 | A 24W Outdoor Pillar Washer - 1 way IP Protection: IP65 Beam Angle: 30 deg Diffuser: Plain Colour temperature: 3000k, 4000K, 5000k Lumen Output - > 2880 lm Accessories: Included 2 years warranty. | 253 | No | 28 | 218 | 6104 | Prepare LBD |
| 254 | A 20W Flood Light IP Protection: IP65 Beam Angle: 105deg Diffuser: Plain Glass Colour temperature: 3000k, 4000K, 5000k Lumen Output - > 3960 lm 2 years warranty. Accessories: Included, | 254 | No | 26 | 218 | 5668 | Prepare LBD |
| 255 | Code: PL-1 Outdoor Linear Profile Light 4000K 24W Ceiling Recessed CRI 80 | 255 | No | 40 | 218 | 8720 | Prepare LBD |
| 256 | PL-1 Acc- Accessories for profiles | 256 | No | 16 | 218 | 3488 | Prepare LBD |
| 257 | PR1 - Wide Flood Beam Projector Light 4000K 14W Floor Mounted CRI 90Spot | 257 | No | 26 | 218 | 5668 | Prepare LBD |
| 258 | PL2 - Outdoor Linear Profile Light 4000K 25W Ceiling Recessed for mesh lighting CRI 80 Narrow | 258 | No | 86 | 218 | 18748 | Prepare LBD |
| 259 | PL3 - Outdoor Linear Profile Light 4000K 18W Wall Recessed CRI 80 Outdoor Linear Profile Light 4000K 25W Ceiling Recessed for mesh lighting CRI 80 Narrow Spot Beam Wall Light 4000K 26W Single Emission Wall Mounted CRI 80 | 259 | No | 52 | 218 | 11336 | Prepare LBD |
| 260 | WL1 - WL1PL1WL2PL2 Wide Flood Beam Projector Light 4000K 14W Floor Mounted CRI 90Spot Beam Wall Light 4000K 10W Single Emission Wall Mounted CRI 80 Outdoor Linear Profile Light 4000K 24W Ceiling Recessed CRI 80 | 260 | No | 28 | 218 | 6104 | Prepare LBD |
| 261 | WL2 - Spot Beam Wall Light 4000K 10W Single Emission Wall Mounted CRI 80 | 261 | No | 14 | 218 | 3052 | Prepare LBD |
| 262 | 21 x 26 Ground Recessed Profile - A 14W/m Profile with IP65 Strip Body colour: Anodized Aluminium IP rating: Tending towards IP66 (To be used with Silicone Gel) Diffuser: Frosted White Lumen Output: >1180lm/m Accessories: 1 mounting clip per meter. Std length - 2m End caps extra. 2 years warranty. | 262 | No | 40 | 6900 | 276000 | Prepare LBD |
| 263 | Meanwell Driver - 150W | 263 | No | 23 | 2254 | 51842 | Prepare LBD |
| 264 | 21 x 12 Recessed Profile - A 14W/m Profile with IP65 Strip Body colour: Anodized Aluminium Body colour: Anodized Aluminium IP rating: Tending towards IP66 (To be used with Silicone Gel) Diffuser: Frosted White Lumen Output: >1180lm/m Accessories: 1 mounting clip per meter. Std length - 2m End caps extra. 2 years warranty. | 264 | No | 52 | 6440 | 334880 | Prepare LBD |
| | | 265 | No | 86 | 13225 | 1137350 | |

| Order | Item Name | Item Code | Unit | Quantity | Rate (INR) | Total (INR) | Actions |
|-------|---|-----------|------|----------|------------|-------------|-------------|
| 265 | 4 feet 36W Outdoor Linear Wallwasher - A 4 feet 36W Outdoor Linear Wallwasher (WallGrazer) IP Protection: IP65 Beam Angle: 60deg Diffuser: Plain Colour temperature: 3000k, 4000K,5000k Lumen Output - > 3960 lm Accessories: Included 2 years warranty. | | | | | | Prepare LBD |
| 266 | A 10W Outdoor Pillar Washer - A 10W Outdoor Pillar Washer - 1 way IP Protection: IP65 Beam Angle: 18 deg Diffuser: Plain Colour temperature: 3000k, 4000K,5000k Lumen Output - > 1200 lm Accessories: Included 2 years warranty. | 266 | No | 14 | 5175 | 72450 | Prepare LBD |
| 267 | A 24W Outdoor Pillar Washer - A 24W Outdoor Pillar Washer - 1 way IP Protection: IP65 Beam Angle: 30 deg Diffuser: Plain Colour temperature: 3000k, 4000K,5000k Lumen Output - > 2880 lm Accessories: Included 2 years warranty. | 267 | No | 28 | 13800 | 386400 | Prepare LBD |
| 268 | A 20W FloodLight - Outdoor - A 20W FloodLight IP Protection: IP65 Beam Angle: 105deg Diffuser: Plain Glass Colour temperature: 3000k, 4000K,5000k Lumen Output - > 3960 lm Accessories: Included 2 years warranty. | 268 | No | 26 | 2587.5 | 67275 | Prepare LBD |
| 269 | Supply of materials, installation, testing and commissioning of Level-IV Lightning Protection System by using 40/16/10mm diameter aluminum rods & horizontal air terminals above roof of the building as per calculation & detailed claculation needs to be submitted by vendor . The work includes providing 2 nos. 4Msize tapered aluminium air terminal rod. horizontal air terminals, air terminal block.air terminal stand. and accessories, 8mm aluminium down conductors around the penphery of building. chemical earthing system etc The work shall be carried out by using suitable hardware materials such as adhesive type base supports(stand fang) for conductor as well as air terminal holding/fixing. cross connectors, holders. expansion piece etc 2No's chemical earthing pit with (17 2-20)mm Dia. 3Mtr long copper coated earth rod. earth enhancing material at comer of the building or as directed interconnected to form equipotential by using GI flat of size 30x3mm duly terminated with all down conductors for effective discharge of lighting current. The entire system shall confirm to level-IV LPS as per IEC62305 standard . Detailed design & Drawing of complete LA system shall be submitted for approval before taking up the works Note - Make: OBO. BETTERMANN / ERICO/ BERN / ABB ; | 269 | Nos | 1 | 550000 | 550000 | Prepare LBD |
| 270 | 415V, 62.5 KVA, Radiator Cooled DG Set with Acoustic enclosure as per above details. | 270 | Set | 1 | 406250 | 406250 | Prepare LBD |
| 271 | Supply, erection, testing and commissioning of MS 'B' Class exhaust piping of following sizes conforming to IS:3589 including thermal insulation with 50 mm thick layers of glass wool (48 kg/m3 density) 26 SWG aluminium sheet cladding, welding, bends, clamps, dash fastener, nuts, bolts, flange etc., all complete as per relevant standard, technical specification and direction of Engineer in charge,100 - 150 mm dia (NB) | 271 | M | 30 | 450 | 13500 | Prepare LBD |
| 272 | Supply, erection, testing and commissioning of 100-150mm (to suite the Site condition) dia 90 degree exhaust pipe including covering with 50 mm thick glass wool, chicken mesh and aluminium cladding for connecting as inlet and outlet to Engine and Exhaust Chimney, all complete as per relevant standard, technical specification and direction of Engineer in charge. | 272 | Nos | 2 | 2500 | 5000 | Prepare LBD |
| 273 | Supply and covering of 50 mm thick glass wool, chicken mesh and aluminium cladding for the 62.5 KVA DG Silencer set. All complete as per relevant standard, technical specification and direction of Engineer in charge. | 273 | Set | 2 | 3000 | 6000 | Prepare LBD |
| 274 | Supply, installation, testing and commissioning of SS expansion joints (Grade SS 304) for following exhaust pipes:100-150 mm dia. | 274 | Nos | 2 | 1500 | 3000 | Prepare LBD |
| 275 | Supply, installation, testing and commissioning of semi rotary hand pumps including PVC/rubber fuel pipe of suitable length connections etc. complete as required. | 275 | Nos | 1 | 750 | 750 | Prepare LBD |
| 276 | Detail design, fabrication, Supply, installation of self supporting MS structure including supply of structural steel for exhaust piping of DG sets to meet CPCB norms suitable for rating of DG sets and site layouts. This structure shall be designed for a wind velocity prevailing at site, including welding, cutting, 2 layers of anti-rust primer with 2 finished coats of approved synthetic enamel paint etc. complete as required. | 276 | Kg | 3000 | 85 | 255000 | Prepare LBD |
| 277 | Supply, Installation, testing and commissioning of Aviation lighting self maintained backup including battery and battery charging system with mounting mast including guy wire supports, power cable from DB complete as required as per approved drawings, specifications of this tender and directions of Engineer-in-Charge. Make - Bajaj, Cat.No - BGAV302 LED / Approved Equivalent. | 277 | Nos | 1 | 4500 | 4500 | Prepare LBD |
| 278 | KSRB 11-5 : Providing and fixing white vitreous china clay, water closet European type (Pedestal type, P-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / MS brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 Excluding sanitary fixtures - Sanitaryware Make : As per approved make | 278 | Nos | 35 | 4116.86 | 144090.1 | Prepare LBD |
| 279 | Supplying, fixing of 110 mm dia straight type syphon U PVC WC pan connector with neoprene rubber ring and necessary accessories etc., complete. | 279 | Nos | 35 | 450 | 15750 | Prepare LBD |
| 280 | KSRB 11-11.5 : Providing and fixing white vitreous china clay, flat back wash basin size 450x300mm with a single 15mm C.P brass pillar tap with C.I / MS brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 Excluding sanitary fixtures | 280 | Nos | 44 | 2367.37 | 104164.28 | Prepare LBD |
| 281 | PVC connection pipe: Kohinoor/Viking | 281 | Nos | 44 | 5400 | 237600 | Prepare LBD |
| 282 | Supplying, fixing CP toilet paper holder fixed with SS screws complete. (CP Fittings :Jaquar) | 282 | Nos | 35 | 1080 | 37800 | Prepare LBD |
| 283 | Supplying, installing and testing 15 mm CP health faucet of approved make with necessary CP flexible hose 750 mm long nozzle, CP wall flange complete.(CP Fittings :Jaquar) | 283 | Nos | 35 | 1620 | 56700 | Prepare LBD |
| 284 | KSRB 11-15.5 : Providing and fixing 1500x450mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications. | 284 | Sqm | 1 | 1629.1 | 1629.1 | Prepare LBD |
| 285 | KSRB 11-14.3 : Providing and fixing stainless steel kitchen sink of size 400x915mm bowl depth 160mm, with drain board, MS / C.I brackets, stainless steel plug 40 mm, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. | 285 | Nos | 2 | 7099.4 | 14198.8 | Prepare LBD |

| Order | Item Name | Item Code | Unit | Quantity | Rate (INR) | Total (INR) | Actions |
|-------|--|-----------|------|----------|------------|-------------|-------------|
| 286 | Sink Cock: Make- Jaquar, Range- Continental, Model No- 347 | 286 | Nos | 2 | 810 | 1620 | Prepare LBD |
| 287 | KSRB13-6.1-2 : Providing and fixing in position brass bib cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.2 / 13.3 | 287 | Nos | 2 | 190.3 | 380.6 | Prepare LBD |
| 288 | Supplying and fixing approved make CP towel ring fixed on to wall by using with SS screws in the pantrys. (CP Fittings :Jaquar) | 288 | Nos | 2 | 540 | 1080 | Prepare LBD |
| 289 | Supplying, fixing, testing and commissioning, Electric Hand Drier twin blower integrated with timer (0-3 minutes) and infrared arrangement. The drier shall be fully automatic. (Make : Nova - Tech, Model : NT - 800 & Power : 1700Watts (Size : 12 x 6 x 12 inches)) | 289 | Nos | 8 | 8550 | 68400 | Prepare LBD |
| 290 | Receiving,unloading,storing,and fixing of PVC liquid soap dispenser of approved make and colour having unique pump and pouch system which can deliver luxurious soap without clogging, leaking or dripping etc., complete.(Make: Kimberly Clark- 800ml capacity) | 290 | Nos. | 8 | 1800 | 14400 | Prepare LBD |
| 291 | Receiving,unloading,storing and fixing of approved make vitreous glazed 50% coloured urinal division plate of size 810 x 390 and fixed to wall by using CP brass screws etc. complete as per specifications. (Urinal Partition: Make- Parryware, model No-) | 291 | Nos. | 43 | 1620 | 69660 | Prepare LBD |
| 292 | KSRB 11-7.2 : Providing and fixing white vitreous china clay, flat back, lipped front urinal basin of 430x260x350mm in the range of two 7.5 litre P.V.C with automatic flushing cistern, C.I / MS brackets, standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 Excluding sanitary fixtures | 292 | Nos | 43 | 2912.01 | 125216.43 | Prepare LBD |
| 293 | KSRB 11-10.1 : Providing and fixing white vitreous china clay, squatting plate with 5 litre P.V.C automatic flushing cistern including brass coupling C.I / MS brackets, G.I flush pipe of standard size and C.P. brass spreaders painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 | 293 | Nos | 43 | 3727.9 | 160299.7 | Prepare LBD |
| 294 | Providing and fixing 600mm long CP towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fitting arrangement of approved quality colour and make . (Jaquar Continental towel Rail 600 mm long - Model - 1111N) | 294 | Nos | 27 | 1080 | 29160 | Prepare LBD |
| 295 | Supplying, Installing, testing and commissioning of White color Floor Mounted European water closet with inbuilt low level PVC flushing cistern and Wash Basin for Physically Challenged Persons with necessary Grab Rails, hinged rails for support , pan connector bend,checknut, stopcock etc., colour solid seat and cover with polythene buffer and flap, CP flanges, CP bolts and nuts, bracket with nuts and bolts wall flanges etc.,complete, Wash Basin shall include 15mm dia CP liver operated pillar Cock with waste coupling, 32mm dia CP bottle trap with extension pipe,supporting bracket with necessary steel to support basin 1 No.15mm CP angle valve with 450mm long CP connection pipe and CP wall flanges all of approved make etc., complete. (Hind ware matrix model no:20049) | 295 | Nos | 2 | 13500 | 27000 | Prepare LBD |
| 296 | Supplying,installing, testing and commissioning of CP sink cock with swivel spout wallmounted etc, including cutting and making good the walls wherever required etc., all complete as directed by Engineer (Parryware Agate sink cock with swivel spout- model no:G0621A1) | 296 | Nos | 1 | 990 | 990 | Prepare LBD |
| 297 | Providing and fixing square-mouth S.W.gully trap complete with C.I grating brick masonry chamber with water tight C.I cover with frame of 300x300mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70kg as per standard design : | 297 | Nos | 10 | 5400 | 54000 | Prepare LBD |
| 298 | Supplying,installing, testing and commissioning of SANITARY VENDING MACHINE | 298 | Nos | 3 | 2000 | 6000 | Prepare LBD |
| 299 | Supplying,installing, testing and commissioning of SANITARY DISPOSAL MACHINE | 299 | Nos | 3 | 2500 | 7500 | Prepare LBD |
| 300 | WALL MIXER WITH PROVISION FOR OVERHEAD S - CAT NO :CQT-CHR-23273UPR , HSN CODE :84818020 | 300 | Nos | 20 | 3026.7 | 60534 | Prepare LBD |
| 301 | SINGLE LEVER EXPOSED PARTS KIT OF DIVERT - CAT NO :OPP-CHR-15065KPM , HSN CODE :84818020 | 301 | Nos | 20 | 904.824 | 18096.48 | Prepare LBD |
| 302 | SHOWER ARM WITH WALL FLANGE - CAT NO :SHA-CHR-477P , HSN CODE :84818020 | 302 | Nos | 20 | 273.996 | 5479.92 | Prepare LBD |
| 303 | O/HEAD SHW. SINGLEFLOW 100mm DIA(ABS CP) - CAT NO :OHS-CHR-1989 , HSN CODE :39221000 | 303 | Nos | 20 | 1006.776 | 20135.52 | Prepare LBD |
| 304 | OPAL PRIME BATH TUB SPOUT WITH WALL FLAN - CAT NO :SPJ-CHR-15429PM , HSN CODE :84818020 | 304 | Nos | 20 | 987.66 | 19753.2 | Prepare LBD |
| 305 | CONCEALED STOP COCK, REGULAR BODY FOR 20 - CAT NO :ALD-CHR-089 , HSN CODE :84818020 | 305 | Nos | 12 | 700.92 | 8411.04 | Prepare LBD |
| 306 | EXPOSED PART KIT OF CONCEALED STOP COCK - CAT NO :FLR-CHR-5083NK , HSN CODE :84818020 | 306 | Nos | 12 | 363.204 | 4358.45 | Prepare LBD |
| 307 | SHOWER ARM WITH WALL FLANGE - CAT NO :SHA-CHR-477P , HSN CODE :84818020 | 307 | Nos | 6 | 273.996 | 1643.98 | Prepare LBD |
| 308 | O/HEAD SHW. SINGLEFLOW 100mm DIA(ABS CP) - CAT NO :OHS-CHR-1989 , HSN CODE :39221000 | 308 | Nos | 6 | 1006.776 | 6040.66 | Prepare LBD |
| 309 | UNDER COUNTER BASIN, SIZE: 590X420X195 M - CAT NO :CNS-WHT-705 , HSN CODE :69109000 | 309 | Nos | 45 | 2109.132 | 94910.94 | Prepare LBD |
| 310 | WASTE COUPL.32mm HALF THREAD - CAT NO :ALD-CHR-709 , HSN CODE :74182010 | 310 | Nos | 45 | 337.716 | 15197.22 | |

| Order | Item Name | Item Code | Unit | Quantity | Rate (INR) | Total (INR) | Actions |
|-------|---|-----------|------|----------|------------|-------------|---------|
| | | | | | | | |
| 311 | PILLAR COCK,AUTO CLOSING SYS. - CAT NO :PRS-CHR-031 , HSN CODE :84818020 | 311 | Nos | 45 | 1573.884 | 70824.78 | |
| 312 | BOTTLE TRAP 300X 125mm LONG - CAT NO :ALE-ESS-773AL300X125 , HSN CODE :74182010 | 312 | Nos | 45 | 974.916 | 43871.22 | |
| 313 | ANGULAR STOP COCK WITH WALL FLANGE - CAT NO :CON-CHR-059KN , HSN CODE :84818020 | 313 | Nos | 45 | 598.968 | 26953.56 | |
| 314 | WALL HUNG- WC WITH PP SOFT CLOSE SEAT CO - CAT NO :CNS-WHT-961S , HSN CODE :69109000 | 314 | Nos | 35 | 5365.224 | 187782.84 | |
| 315 | METROPOLE FLUSH VALVE DUAL FLOW 32MM SIZ - CAT NO :FLV-CHR-1085N | 315 | Nos | 35 | 2376.756 | 83186.46 | |
| 316 | HAND SH.(HLTH FAUCET)1M T/W.HK PVC TUBE - CAT NO :ALD-CHR-563 , HSN CODE :84818020 | 316 | Nos | 35 | 777.384 | 27208.44 | |
| 317 | ANGULAR STOP COCK WITH WALL FLANGE - CAT NO :CON-CHR-059KN , HSN CODE :84818020 | 317 | Nos | 35 | 598.968 | 20963.88 | |
| 318 | SINK COCK WITH SWINGING CASTED SPOUT (WA - CAT NO :CON-CHR-347KN , HSN CODE :84818020 | 318 | Nos | 2 | 1178.82 | 2357.64 | |
| 319 | AUTO CLOSING URINAL FLUSH VALVE - CAT NO :PRS-CHR-077 , HSN CODE :84818020 | 319 | Nos | 43 | 1656.72 | 71238.96 | |
| 320 | URINAL, SIZE:355X345X535 MM - CAT NO :URS-WHT-13261 , HSN CODE :69109000 | 320 | Nos | 43 | 2765.448 | 118914.26 | |
| 321 | WASTE COUPLING 32MM F. THREAD 130MM HT - CAT NO :ALD-CHR-705I130 , HSN CODE :74182010 | 321 | Nos | 43 | 369.576 | 15891.77 | |
| 322 | KSRB13-8 : Providing and fixing to wall, ceiling and floor, medium density polyethylene pipes 6.00 kgf/sq.cm working pressure outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.15.1 / 13.9 ---- With all Lead & Lifts etc., complete. as per the detailed specifications and the Directions of Engineer In charge of the work a) 160 mm dia | 322 | Rmt | 160 | 689.7 | 110352 | |
| 323 | KSRB13-8 : Providing and fixing to wall, ceiling and floor, medium density polyethylene pipes 6.00 kgf/sq.cm working pressure outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.15.1 / 13.9 ---- With all Lead & Lifts etc., complete. as per the detailed specifications and the Directions of Engineer In charge of the work b) 110 mm dia - Type - B | 323 | Rmt | 250 | 495 | 123750 | |
| 324 | KSRB13-8 : Providing and fixing to wall, ceiling and floor, medium density polyethylene pipes 6.00 kgf/sq.cm working pressure outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.15.1 / 13.9 ---- With all Lead & Lifts etc., complete. as per the detailed specifications and the Directions of Engineer In charge of the work c) 75 mm dia - Type - B | 324 | Rmt | 190 | 358.6 | 68134 | |
| 325 | KSRB13-8 : Providing and fixing to wall, ceiling and floor, medium density polyethylene pipes 6.00 kgf/sq.cm working pressure outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.15.1 / 13.9 ---- With all Lead & Lifts etc., complete. as per the detailed specifications and the Directions of Engineer In charge of the work d) 63 mm dia (Anti siph) - Type - A | 325 | Rmt | 12 | 326.7 | 3920.4 | |
| 326 | KSRB13-9.2 : Providing and fixing to wall, ceiling and floor high density polyethylene pipes 6.00 kgf/sq.cm working pressure 40mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.15.2 / 13.9 ---- With all Lead & Lifts etc., complete. as per the detailed specifications and the Directions of Engineer In charge of the work a) 40 mm dia (I.D.) | 326 | Rmt | 170 | 288.2 | 48994 | |
| 327 | KSRB13-9.3 : Providing and fixing to wall, ceiling and floor high density polyethylene pipes 6.00 kgf/sq.cm working pressure 50mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.15.2 / 13.9 ---- With all Lead & Lifts etc., complete. as per the detailed specifications and the Directions of Engineer In charge of the work a) 50 mm dia (I.D.) | 327 | Rmt | 150 | 360.8 | 54120 | |
| 328 | Supplying, fixing and testing PVC rain water pipes conforming to IS 13592 - 1992 (SWR Class A) with all fittings like shoes, bends fixed in the pipe shafts (ducts) with suitable supports etc., complete. a) 160 mm dia - Type - A | 328 | Rmt | 75 | 680 | 51000 | |
| 329 | Supplying, fixing and testing PVC rain water pipes conforming to IS 13592 - 1992 (SWR Class A) with all fittings like shoes, bends fixed in the pipe shafts (ducts) with suitable supports etc., complete. b) 110 mm dia - Type - A | 329 | Rmt | 25 | 560 | 14000 | |
| 330 | Supplying and fixing of /Puddle flange Leaf trap with kurra made out of UPVC with flange and grating for rain water outlets on terrace complete. a) 160 mm dia | 330 | Nos | 4 | 500 | 2000 | |
| 331 | Supplying and fixing of /Puddle flange Leaf trap with kurra made out of UPVC with flange and grating for rain water outlets on terrace complete. b) 110 mm dia | 331 | Nos | 1 | 350 | 350 | |
| 332 | Supplying and fixing MS (Hot dip galvanised) slotted angle iron brackets, hangers, supports with necessary drilling holes to suit the insertion of pipe clamps, deburring etc., as per detailed drawing for supporting soil, waste and rain water pipes and | 332 | Kgs | 250 | 90 | 22500 | |

| Order | Item Name | Item Code | Unit | Quantity | Rate (INR) | Total (INR) | Actions |
|-------|--|-----------|------|----------|------------|-------------|-------------|
| | water supply pipes in shafts with suitable PVC coated 'U' clamps, bolts, anchor bolts, nuts and washers fixed on shaft walls/ outer walls etc., The quoted rate shall include with the cost of brackets galvanizing with zinc alloy of 0.08 mm thick conformed to IS 1239 etc., complete as directed by the employer. | | | | | | Prepare LBD |
| 333 | Supplying and fixing GI grip bolts in columns / beams / walls / ceiling for fixing soil, waste and rain water pipe supports. The quoted rate shall include for necessary drilling and placing the bolts in position etc., complete. | 333 | Nos | 250 | 40 | 10000 | Prepare LBD |
| 334 | Supplying, fixing and testing PVC Multi floor trap (heavy duty hinged type) with brass CP frame & cover (150 mm x 150 mm square / 125 mm round). Trap of 100 mm dia. Inlet and 75 mm dia outlet fixed on a bed of cement concrete etc., complete. (The frame and grating shall be approved by Architects) | 334 | Nos | 105 | 450 | 47250 | Prepare LBD |
| 335 | Supplying, installing, testing and commissioning of brass clean-out cover and screwed cap for floor cleanout in side the toilet. The thickness of the cover shall be minimum 4mm and laid true to finished floor level as per specifications etc., complete. a) 75mm dia | 335 | Nos | 20 | 650 | 13000 | Prepare LBD |
| 336 | Supplying, installing, testing and commissioning of brass clean-out cover and screwed cap for floor cleanout in side the toilet. The thickness of the cover shall be minimum 4mm and laid true to finished floor level as per specifications etc., complete. b) 110mm dia | 336 | Nos | 20 | 750 | 15000 | Prepare LBD |
| 337 | Supplying, fixing and testing of Urinal trap (Sealed Trap) used in sunken floors 110mm dia extension boss tee arrangements with female thread fix with the Staninless steel/upvc clean out plug in male thread with gasket and three ss screws for urinals, etc., complete | 337 | Nos | 12 | 650 | 7800 | Prepare LBD |
| 338 | Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.) a) 15 mm dia | 338 | Rmt | 50 | 130 | 6500 | Prepare LBD |
| 339 | Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.) b) 20 mm dia | 339 | Rmt | 1500 | 180 | 270000 | Prepare LBD |
| 340 | Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.) c) 25 mm dia | 340 | Rmt | 300 | 350 | 105000 | Prepare LBD |
| 341 | Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.) d) 32 mm dia | 341 | Rmt | 250 | 280 | 70000 | Prepare LBD |
| 342 | Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.) e) 40 mm dia | 342 | Rmt | 50 | 350 | 17500 | Prepare LBD |
| 343 | Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.) f) 50 mm dia | 343 | Rmt | 300 | 480 | 144000 | Prepare LBD |
| 344 | Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.) g) 65 mm dia | 344 | Rmt | 100 | 650 | 65000 | Prepare LBD |
| 345 | Supplying, installing and testing approved make full way lever operated GM ball valves conforming to IS 1703 with unions etc., complete. a) 20 mm dia | 345 | Nos | 2 | 600 | 1200 | Prepare LBD |
| 346 | Supplying, installing and testing approved make full way lever operated GM ball valves conforming to IS 1703 with unions etc., complete. b) 25 mm dia (Screwed ends) | 346 | Nos | 2 | 750 | 1500 | Prepare LBD |
| 347 | Supplying, installing and testing approved make full way lever operated GM ball valves conforming to IS 1703 with unions etc., complete. c) 32 mm dia (Screwed ends) | 347 | Nos | 4 | 1100 | 4400 | Prepare LBD |
| 348 | Supplying, installing and testing approved make full way lever operated GM ball valves conforming to IS 1703 with unions etc., complete. d) 40 mm dia (Screwed ends) | 348 | Nos | 4 | 1300 | 5200 | Prepare LBD |
| 349 | Supplying and wrapping 6 mm thick armaflex tube for thermal insulation for hot water pipes for toilet internals as per manufacturer's instruction. a) 20 mm dia | 349 | Rmt | 110 | 100 | 11000 | Prepare LBD |
| 350 | Supplying and wrapping 6 mm thick armaflex tube for thermal insulation for hot water pipes for toilet internals as per manufacturer's instruction. b) 25mm dia | 350 | Rmt | 100 | 150 | 15000 | Prepare LBD |
| 351 | Supplying and wrapping 6 mm thick armaflex tube for thermal insulation for hot water pipes for toilet internals as per manufacturer's instruction. c) 32 mm dia | 351 | Rmt | 50 | 200 | 10000 | Prepare LBD |
| 352 | Supplying, installing, testing and commissioning approved make GM pressure reducing station (PRV) confirming to IS with union etc., complete. a) 40 mm dia | 352 | Nos | 2 | 14000 | 28000 | Prepare LBD |
| 353 | Supplying, installing, testing and commissioning approved make GM pressure reducing station (PRV) confirming to IS with union etc., complete. b) 32 mm dia | 353 | Nos | 2 | 11000 | 22000 | |

| Order | Item Name | Item Code | Unit | Quantity | Rate (INR) | Total (INR) | Actions |
|-------|--|-----------|------|----------|------------|-------------|---|
| | | | | | | |  |
| 354 | Supplying and fixing approved make 20 mm dia automatic air release valve with unions etc., complete. | 354 | Nos | 8 | 650 | 5200 |  |
| 355 | Supplying, installing, testing and commissioning butterfly valves with standard lever confirming to IS 13039 with necessary connecting fittings like flanges, nuts and bolts etc., complete. a) 80 mm dia | 355 | Nos | 4 | 5000 | 20000 |  |
| 356 | Supplying, installing, testing and commissioning butterfly valves with standard lever confirming to IS 13039 with necessary connecting fittings like flanges, nuts and bolts etc., complete. b) 65 mm dia | 356 | Nos | 4 | 4200 | 16800 |  |
| 357 | Supplying, installing, testing and commissioning butterfly valves with standard lever confirming to IS 13039 with necessary connecting fittings like flanges, nuts and bolts etc., complete. c) 50 mm dia | 357 | Nos | 4 | 3800 | 15200 |  |
| 358 | KSRB13-7.1-7 : Providing and fixing in position nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.10 / 13.13 ---- With all Lead & Lifts etc., complete. as per the detailed specifications and the Directions of Engineer In charge of the work a) 80 mm dia | 358 | Nos | 2 | 2357.3 | 4714.6 |  |
| 359 | Supplying, fixing and testing inlet, outlet, vent and overflow pipes, fittings with CI frame and cover to underground sump tank complete with step irons as shown on the drawings etc., complete, accessories comprising of the following : (Approx. depth = 3.0 Mts, As per Drg Details , Note : All puddle flanges to be hot dip galvanised.) | 359 | Unit | 1 | 65000 | 65000 |  |
| 360 | Supplying, laying, jointing, testing & Commissioning of uPVC Schedule 40 pressure pipes as per ASTM D-1785 with sch 80 fittings as per specifications, jointing with Supreme Solvent cement with fittings such as sockets, unions, reducers long or short bends, elbows, nipples flanges,checknuts,clamps etc. Pressure testing of piping . The quoted rate shall include necessary fittings like Tees, Bends, Offsets etc., G.I. brackets with pvc coated GI clamps, nuts & bolts, anchor fasteners, grip bolts, GI threaded, rods, etc., complete for external pipes in shaft. a) 25 mm dia | 360 | Rmt | 250 | 360 | 90000 |  |
| 361 | Supplying, laying, jointing, testing & Commissioning of uPVC Schedule 40 pressure pipes as per ASTM D-1785 with sch 80 fittings as per specifications, jointing with Supreme Solvent cement with fittings such as sockets, unions, reducers long or short bends, elbows, nipples flanges,checknuts,clamps etc. Pressure testing of piping . The quoted rate shall include necessary fittings like Tees, Bends, Offsets etc., G.I. brackets with pvc coated GI clamps, nuts & bolts, anchor fasteners, grip bolts, GI threaded, rods, etc., complete for external pipes in shaft. b) 50 mm dia | 361 | Rmt | 120 | 750 | 90000 |  |
| 362 | Supplying, laying, jointing, testing & Commissioning of uPVC Schedule 40 pressure pipes as per ASTM D-1785 with sch 80 fittings as per specifications, jointing with Supreme Solvent cement with fittings such as sockets, unions, reducers long or short bends, elbows, nipples flanges,checknuts,clamps etc. Pressure testing of piping . The quoted rate shall include necessary fittings like Tees, Bends, Offsets etc., G.I. brackets with pvc coated GI clamps, nuts & bolts, anchor fasteners, grip bolts, GI threaded, rods, etc., complete for external pipes in shaft. c) 65 mm dia | 362 | Rmt | 180 | 900 | 162000 |  |
| 363 | Supply, fabrication, fixing, testing and commissioning of GI Class C puddle flanged pipes of required sizes for inlet, outlet, vent and overflow pipes for Over head tanks. The puddle flanged pipes shall be threaded end upto 50mm dia and flanged ends above 100mm dia. All the puddle flanged pipes, plates and fittings shall be galvanised after fabrication as per IS specifications.. The scope work also includes supply, installation and testing of lockable type SFRC manhole frame and cover to over head tank etc., complete as per specifications and drawings. (Note : All puddle flanges to be hot dip galvanised.) a) PVC RUNGS | 363 | Nos. | 10 | 400 | 4000 |  |
| 364 | Supply, fabrication, fixing, testing and commissioning of GI Class C puddle flanged pipes of required sizes for inlet, outlet, vent and overflow pipes for Over head tanks. The puddle flanged pipes shall be threaded end upto 50mm dia and flanged ends above 100mm dia. All the puddle flanged pipes, plates and fittings shall be galvanised after fabrication as per IS specifications.. The scope work also includes supply, installation and testing of lockable type SFRC manhole frame and cover to over head tank etc., complete as per specifications and drawings. (Note : All puddle flanges to be hot dip galvanised.) b) Vent pipe 100mm dia puddle flanged pipe with swan neck bend for vent with mosquito proof mesh. | 364 | Nos. | 2 | 1400 | 2800 |  |
| 365 | Supply, fabrication, fixing, testing and commissioning of GI Class C puddle flanged pipes of required sizes for inlet, outlet, vent and overflow pipes for Over head tanks. The puddle flanged pipes shall be threaded end upto 50mm dia and flanged ends above 100mm dia. All the puddle flanged pipes, plates and fittings shall be galvanised after fabrication as per IS specifications.. The scope work also includes supply, installation and testing of lockable type SFRC manhole frame and cover to over head tank etc., complete as per specifications and drawings. (Note : All puddle flanges to be hot dip galvanised.) c) FIRE TANK INLET PUDDLE FLANGE 50mm dia | 365 | Nos. | 1 | 800 | 800 |  |
| 366 | Supply, fabrication, fixing, testing and commissioning of GI Class C puddle flanged pipes of required sizes for inlet, outlet, vent and overflow pipes for Over head tanks. The puddle flanged pipes shall be threaded end upto 50mm dia and flanged ends above 100mm dia. All the puddle flanged pipes, plates and fittings shall be galvanised after fabrication as per IS specifications.. The scope work also includes supply, installation and testing of lockable type SFRC manhole frame and cover to over head tank etc., complete as per specifications and drawings. (Note : All puddle flanges to be hot dip galvanised.) d) DOMESTIC TANK OUTLET PUDDLE FLANGE 65mm dia | 366 | Nos. | 1 | 800 | 800 |  |
| 367 | Supply, fabrication, fixing, testing and commissioning of GI Class C puddle flanged pipes of required sizes for inlet, outlet, vent and overflow pipes for Over head tanks. The puddle flanged pipes shall be threaded end upto 50mm dia and flanged ends above 100mm dia. All the puddle flanged pipes, plates and fittings shall be galvanised after fabrication as per IS specifications.. The scope work also includes supply, installation and testing of lockable type SFRC manhole frame and cover to over head tank etc., complete as per specifications and drawings. (Note : All puddle flanges to be hot dip galvanised.) e) DOMESTIC TANK OUTLET PUDDLE FLANGE 50mm dia | 367 | Nos. | 1 | 500 | 500 |  |
| 368 | Supply, fabrication, fixing, testing and commissioning of GI Class C puddle flanged pipes of required sizes for inlet, outlet, vent and overflow pipes for Over head tanks. The puddle flanged pipes shall be threaded end upto 50mm dia and flanged ends above 100mm dia. All the puddle flanged pipes, plates and fittings shall be galvanised after fabrication as per IS specifications.. The scope work also includes supply, installation and testing of lockable type SFRC manhole frame and cover to over head tank etc., complete as per specifications and drawings. (Note : All puddle flanges to be hot dip galvanised.) f) DRAIN OUT PUDDLE FLANGE 50mm dia | 368 | Nos. | 2 | 500 | 1000 |  |
| 369 | Supply, fabrication, fixing, testing and commissioning of GI Class C puddle flanged pipes of required sizes for inlet, outlet, vent and overflow pipes for Over head tanks. The puddle flanged pipes shall be threaded end upto 50mm dia and flanged ends above 100mm dia. All the puddle flanged pipes, plates and fittings shall be galvanised after fabrication as per IS specifications.. The scope work also includes supply, installation and testing of lockable type SFRC manhole frame and cover to | 369 | Nos. | 1 | 500 | 500 |  |

| Order | Item Name | Item Code | Unit | Quantity | Rate (INR) | Total (INR) | Actions |
|-------|--|-----------|------|----------|------------|-------------|-------------|
| 370 | over head tank etc., complete as per specifications and drawings. (Note : All puddle flanges to be hot dip galvanised.) g) OVERFLOW PUDDLE FLANGE 50mm dia Supply, fabrication, fixing, testing and commissioning of GI Class C puddle flanged pipes of required sizes for inlet, outlet, vent and overflow pipes for Over head tanks. The puddle flanged pipes shall be threaded end upto 50mm dia and flanged ends above 100mm dia. All the puddle flanged pipes, plates and fittings shall be galvanised after fabrication as per IS specifications.. The scope work also includes supply, installation and testing of lockable type SFRC manhole frame and cover to over head tank etc., complete as per specifications and drawings. (Note : All puddle flanges to be hot dip galvanised.) | 370 | Nos. | 1 | 400 | 400 | Prepare LBD |
| 371 | Supply, fabrication, fixing, testing and commissioning of GI Class C puddle flanged pipes of required sizes for inlet, outlet, vent and overflow pipes for Over head tanks. The puddle flanged pipes shall be threaded end upto 50mm dia and flanged ends above 100mm dia. All the puddle flanged pipes, plates and fittings shall be galvanised after fabrication as per IS specifications.. The scope work also includes supply, installation and testing of lockable type SFRC manhole frame and cover to over head tank etc., complete as per specifications and drawings. (Note : All puddle flanges to be hot dip galvanised.) h) FLOW LEVEL CONTROLLER 32mm dia | 371 | Nos. | 1 | 800 | 800 | Prepare LBD |
| 372 | Supply, fabrication, fixing, testing and commissioning of GI Class C puddle flanged pipes of required sizes for inlet, outlet, vent and overflow pipes for Over head tanks. The puddle flanged pipes shall be threaded end upto 50mm dia and flanged ends above 100mm dia. All the puddle flanged pipes, plates and fittings shall be galvanised after fabrication as per IS specifications.. The scope work also includes supply, installation and testing of lockable type SFRC manhole frame and cover to over head tank etc., complete as per specifications and drawings. (Note : All puddle flanges to be hot dip galvanised.) J) FIRE TANK OUTLET PUDDLE FLANGE 100mm dia | 372 | Nos. | 2 | 1400 | 2800 | Prepare LBD |
| 373 | Supply, fabrication, fixing, testing and commissioning of GI Class C puddle flanged pipes of required sizes for inlet, outlet, vent and overflow pipes for Over head tanks. The puddle flanged pipes shall be threaded end upto 50mm dia and flanged ends above 100mm dia. All the puddle flanged pipes, plates and fittings shall be galvanised after fabrication as per IS specifications.. The scope work also includes supply, installation and testing of lockable type SFRC manhole frame and cover to over head tank etc., complete as per specifications and drawings. (Note : All puddle flanges to be hot dip galvanised.) h) FLOW LEVEL CONTROLLER 32mm dia | 373 | Nos. | 1 | 400 | 400 | Prepare LBD |
| 374 | Excavation in all sorts of soil for laying PVC pipes upto 315mm dia (internal) including forming bottom surface to required level refilling excavated earth around the pipe in layers of 150mm thick watering consolidating and disposing off the surplus earth with in the site or as directed by the site Engineer with in a lead of 300m etc., complete. | 374 | Cum | 1200 | 150 | 180000 | Prepare LBD |
| 375 | Supplying, fixing and testing of approved make Foam core pipes for UNDER GROUND DRAIN conforming to IS 16098 of SN 4 as per the technical specifications for under ground Sewer water drainage system a) 160 mm dia. | 375 | Rmt | 300 | 500 | 150000 | Prepare LBD |
| 376 | Construction of catch basin of 600mm x 600mm size and depth upto 1200mm for external storm water drainage with 230mm thick walls in well burnt table moulded bricks in CM 1:4 over a bed of 100 mm thick PCC 1:4:8 internal walls plastered smooth in CM 1:3 and external walls plastered in 1:6 with sponge finish. Fixing precast RCC grating of size 600 x 600mm on top surface flushed to the finished floor level with necessary excavation, back filling the selected excavated earth with all leads and lifts etc., complete. The quoted rate shall include 110dia PVC pipe sleeves from road GSM to the chamber as shown in the drawings. (RCC grating : Southernconcrete Industries) a) 600mm x 600mm (clear internal dimension) | 376 | Nos | 22 | 25000 | 550000 | Prepare LBD |
| 377 | Excavation in all types of soil for laying Drain pipes upto 315mm dia. including forming bottom surface to required level, refilling selected excavated earth around the pipe in layers 150mm thick, watering, consolidating and disposing off the surplus earth with in the site as directed by the site engineer with a lead of 300M etc., complete. Depth upto 3.0 M | 377 | cum | 500 | 150 | 75000 | Prepare LBD |
| 378 | Supplying, fixing and testing salt glazed stoneware gully trap with rebated top square bodies 150mm x 150mm, CI grating 100mm dia outlet set in 75mm thick PCC 1:4:8 bed, 230mm thick masonry chamber in CM 1:3, internal and external plastering 12mm thick in CM 1:6 and 1:3 respectively, supply and fixing 450mm x 450mm size CI frame and cover, jointing to drain in CM 1:1, excavating, and cover, jointing to drain in CM 1:1, excavating, refilling and ramming etc., complete. | 378 | Nos | 10 | 8000 | 80000 | Prepare LBD |
| 379 | Construction of inspection chamber with 230mm best quality approved Table Moulded bricks in CM 1:4 over a bed of 100mm thick PCC 1:4:8, internal walls plastered in CM 1:3 and external wall with CM 1:6 with sponge finish, benching and channelling in PCC 1:3:6. Supplying and fixing RCC square frame & cover of size 600 x 600mm (heavy duty), PVC steps in position as per the detailed drawing. The quoted rate shall also include necessary excavation and internal size of the chamber 600 x 600mm maximum depth not exceeding 1000mm (Manhole cover/pvc steps : Southern concrete Industries.) | 379 | Nos | 14 | 20000 | 280000 | Prepare LBD |
| 380 | Supplying, fixing and testing of approved make Foam core pipes for UNDER GROUND DRAIN conforming to IS 16098 of SN 4 as per the technical specifications for under ground Storm water drainage system a) 160mm dia | 380 | RM | 350 | 1200 | 420000 | Prepare LBD |
| 381 | Supplying of submersible sump pumps suitable for DOMESTIC WATER having motor with built in over load protector, shaft with heat treatment for long lasting continuous operation, mechanical seal in oil chamber with extra external lip seal, rugged and durable construction in SS of outer cover and pump in cast iron construction, potted leads, sealed with epoxy resin suitable for operation on 415 volts, 50 cycles, AC power supply, float switches etc., complete as required. Duty: 4 lps at 35 M head (1 working and 1 no. standby = 1 set (2 pumps)) | 381 | Set | 1 | 200000 | 200000 | Prepare LBD |
| 382 | Supplying, installing and commissioning approved make digital water level indicators including wall MS mounting stands, necessary fixing materials etc., complete. The quoted rate shall exclude the necessary AC and DC wiring (stands to be painted with enamel paint). | 382 | Set | 3 | 5000 | 15000 | Prepare LBD |
| 383 | Supplying, installing, testing and commissioning Indian / Imported make screwed Gun Metal water meters direct reading type calibrated in liters and kiloliters tested and approved by local Municipal Corporation with ball valve positive strainer including making necessary flanged joints, testing etc., complete, including necessary ferrule, piping from water main to UG tank. a) 25 mm dia | 383 | Nos. | 1 | 4000 | 4000 | Prepare LBD |
| 384 | Supplying, fixing, testing & commissioning of black painted copper collector panel of 200 litres capacity housed in aluminum casing with top of glass shall be as per specifications including all required structural support, necessary inter connecting piping, drain point with valve auto air vent valve etc. complete as required. (Note : Civil work to be executed by main civil contractor. However solar vendor to provide details of all such civil requirements & also ensure his supervision during the civil works execution). | 384 | Nos. | 13 | 15000 | 195000 | Prepare LBD |
| 385 | Supply, installation, testing & commissioning of SS 304/ carbon steel glass enamelled, horizontal Solar hot water storage tank (Capacity varies as per the drawing) suitable for minimum 5 Kg /Sq.cm working pressure. Tank shall be provided inlet / outlet, overflow / drain connection. All the valves & accessories shall be suitable for an operating pressure as mentioned above. Tank shall be mounted on 1200 mm high steel structural supports with access ladder painted with 2 coats of red oxide paint. Hot water storage tank complete with insulation & MS powder coated supporting structure with access ladder duly paint with red oxide. 200 lts capacity | 385 | Nos. | 13 | 8000 | 104000 | Prepare LBD |

| Order | Item Name | Item Code | Unit | Quantity | Rate (INR) | Total (INR) | Actions |
|-------|---|-----------|------|----------|------------|-------------|-------------|
| 386 | Cold Water inlet 20mm dia ball Valve. | 386 | Nos. | 13 | 900 | 11700 | Prepare LBD |
| 387 | Cold Water inlet line 20 mm dia Check Valve. | 387 | Nos. | 13 | 950 | 12350 | Prepare LBD |
| 388 | Providing and fixing auto air vent with safety valve for Hot water supply system suitable for pressure not less than 15 Kg / Sqcm including water expansion tank of 100 mm dia. & 400 mm long expansion tank complete as requirtd. a) 20 mm dia | 388 | Set | 13 | 500 | 6500 | Prepare LBD |
| 389 | Supplying of Filter (HORIZONTAL Type) -Totally anticorrosive filter media 2000mm dia. X 3000mm Length, Manufactured with fiber glass & polyester resin, fitted with collector arms & diffuser made from unplasticized PVC & polypropelene, capable of accomodating a flow rate of 159 cum / Hour @ 30 cum / Sqm /hour complete with lid in polyester resin & fiber glass, manual air purge, cap for sand discharge & PVC flanged connection for inlet & outlet. | 389 | Nos | 3 | 1400000 | 4200000 | Prepare LBD |
| 390 | Supplying & Erection Circulating pumps of delivering 150 cum / hour against the total head of 15 M coupled to a screen squirrel cage motor of required HP suitable for 400/440 volts 3 phase 50 cycles, A.C. supply on a combination base plate through a flexible coupling and hair & lint strainer with SS Basket inside. (Working 3 Nos. , Standby : 1 No.) | 390 | Nos | 4 | 195000 | 780000 | Prepare LBD |
| 391 | Supplying of Valve batteries consisting of 5 Nos, 160mm dia PVC butterfly Valve, suitable mounting supports, pressure gauge with required size inlet. outlet, main drain., etc | 391 | Nos | 3 | 165000 | 495000 | Prepare LBD |
| 392 | Filter Media and Underbed Sillica sand media for filter with granulometry between o.4 & 0.8mm | 392 | Kg | 24075 | 36 | 866700 | Prepare LBD |
| 393 | Gravel for filter with granulometry between 1-2mm | 393 | Kg | 3900 | 36 | 140400 | Prepare LBD |
| 394 | MAIN POOL BASIN FITTINGS - Supplying of adjustable floor pool inlets 50 mm dia, capable of discharging 9000 Lts / hr. made of ABS Plastic. | 394 | Nos | 93 | 436 | 40548 | Prepare LBD |
| 395 | MAIN POOL BASIN FITTINGS Supplying of pool main drains of size 500x 500x1.5mm SS drain grating suitable to fix in Concrete sump of 500x 500 with a flowrate of 136 Cu mtr | 395 | Nos | 3 | 27000 | 81000 | Prepare LBD |
| 396 | MAIN POOL BASIN FITTINGS Suppling of Vacuum Point & Plug Solvent Type in ABS 2"mm threaded Connection with Wall conduit for Fitting 2" threaded | 396 | Nos | 4 | 950 | 3800 | Prepare LBD |
| 397 | MAIN POOL BASIN FITTINGS Supplying of Square Main Drain- Frame & Grille in ABS 300 x 300mm 33 cu Mtr/hr. | 397 | Nos | 12 | 1290 | 15480 | Prepare LBD |
| 398 | MAIN POOL BASIN FITTINGS 'Supplying of Stainless steel deck grating of 300mm width, inter locking type, single spine | 398 | Rmt | 220 | 5500 | 1210000 | Prepare LBD |
| 399 | Supply, Install, Testing & commissioning uPVC Piping including necessary fitting such as Elbows, Bends, Sockets, Tees, Collars, Nipples, Reducers, Stub Ends, diminishing pieces, Solvent Cement, etc. for Swimming Pool Inlet & Drain & Suction piping, Swimming Pool filtration plant piping, drain pipe along the pipe periphery including all fittings, fixtures and Ceiling/ Wall Support System suitable for following uPVC pipe as specified and directed a) 315 mm Dia. X 6Kg/cm2 | 399 | M | 90 | 3500 | 315000 | Prepare LBD |
| 400 | Supply, Install, Testing & commissioning uPVC Piping including necessary fitting such as Elbows, Bends, Sockets, Tees, Collars, Nipples, Reducers, Stub Ends, diminishing pieces, Solvent Cement, etc. for Swimming Pool Inlet & Drain & Suction piping, Swimming Pool filtration plant piping, drain pipe along the pipe periphery including all fittings, fixtures and Ceiling/ Wall Support System suitable for following uPVC pipe as specified and directed b) 250 mm Dia. X 10 Kg/cm2 | 400 | M | 60 | 2750 | 165000 | Prepare LBD |
| 401 | Supply, Install, Testing & commissioning uPVC Piping including necessary fitting such as Elbows, Bends, Sockets, Tees, Collars, Nipples, Reducers, Stub Ends, diminishing pieces, Solvent Cement, etc. for Swimming Pool Inlet & Drain & Suction piping, Swimming Pool filtration plant piping, drain pipe along the pipe periphery including all fittings, fixtures and Ceiling/ Wall Support System suitable for following uPVC pipe as specified and directed c) 200 mm Dia. X 10 Kg/cm2 | 401 | M | 36 | 2200 | 79200 | Prepare LBD |
| 402 | Supply, Install, Testing & commissioning uPVC Piping including necessary fitting such as Elbows, Bends, Sockets, Tees, Collars, Nipples, Reducers, Stub Ends, diminishing pieces, Solvent Cement, etc. for Swimming Pool Inlet & Drain & Suction piping, Swimming Pool filtration plant piping, drain pipe along the pipe periphery including all fittings, fixtures and Ceiling/ Wall Support System suitable for following uPVC pipe as specified and directed d) 160 mm Dia. X 10 Kg/cm2 | 402 | M | 204 | 1900 | 387600 | Prepare LBD |
| 403 | Supply, Install, Testing & commissioning uPVC Piping including necessary fitting such as Elbows, Bends, Sockets, Tees, Collars, Nipples, Reducers, Stub Ends, diminishing pieces, Solvent Cement, etc. for Swimming Pool Inlet & Drain & Suction piping, Swimming Pool filtration plant piping, drain pipe along the pipe periphery including all fittings, fixtures and Ceiling/ Wall Support System suitable for following uPVC pipe as specified and directed e) 110 mm Dia. X 10 Kg/cm2 | 403 | M | 60 | 1700 | 102000 | Prepare LBD |
| 404 | Supply, Install, Testing & commissioning uPVC Piping including necessary fitting such as Elbows, Bends, Sockets, Tees, Collars, Nipples, Reducers, Stub Ends, diminishing pieces, Solvent Cement, etc. for Swimming Pool Inlet & Drain & Suction piping, Swimming Pool filtration plant piping, drain pipe along the pipe periphery including all fittings, fixtures and Ceiling/ Wall Support System suitable for following uPVC pipe as specified and directed f) 90 mm Dia. X 10 Kg/cm2 | 404 | M | 138 | 1500 | 207000 | Prepare LBD |
| 405 | Supply, Install, Testing & commissioning uPVC Piping including necessary fitting such as Elbows, Bends, Sockets, Tees, Collars, Nipples, Reducers, Stub Ends, diminishing pieces, Solvent Cement, etc. for Swimming Pool Inlet & Drain & Suction piping, Swimming Pool filtration plant piping, drain pipe along the pipe periphery including all fittings, fixtures and Ceiling/ Wall Support System suitable for following uPVC pipe as specified and directed g) 75 mm Dia. X 10 Kg/cm2 | 405 | M | 84 | 700 | 58800 | Prepare LBD |
| 406 | Supply, Install, Testing & commissioning uPVC Piping including necessary fitting such as Elbows, Bends, Sockets, Tees, Collars, Nipples, Reducers, Stub Ends, diminishing pieces, Solvent Cement, etc. for Swimming Pool Inlet & Drain & Suction piping, Swimming Pool filtration plant piping, drain pipe along the pipe periphery including all fittings, fixtures and Ceiling/ Wall Support System suitable for following uPVC pipe as specified and directed h) 63 mm Dia. X 10 Kg/cm2 | 406 | M | 120 | 450 | 54000 | Prepare LBD |
| 407 | Supplying of PVC U butterfly valves with standard lever. Confirming to BS Standards with necessary flanges, nuts and bolts etc., Complete a) 250mm dia Butterfly Valve With Flange adaptors | 407 | Nos | 2 | 61112 | 122224 | Prepare LBD |
| 408 | | 408 | Nos | 1 | 35800 | 35800 | |

| Order | Item Name | Item Code | Unit | Quantity | Rate (INR) | Total (INR) | Actions |
|-------|---|-----------|------|----------|------------|-------------|---------|
| | Supplying of PVC U butterfly valves with standard lever. Confirming to BS Standards with necessary flanges, nuts and bolts etc., Complete b) 200mm dia Butterfly Valve With Flange adaptors | | | | | | |
| 409 | Supplying of PVC U butterfly valves with standard lever. Confirming to BS Standards with necessary flanges, nuts and bolts etc., Complete c) 160 mm dia Butterfly Valve With Flange adaptors | 409 | Nos | 6 | 9600 | 57600 | |
| 410 | Supplying of PVC U butterfly valves with standard lever. Confirming to BS Standards with necessary flanges, nuts and bolts etc., Complete 'd) 110 mm dia Butterfly Valve With Flange adaptors | 410 | Nos | 8 | 5390 | 43120 | |
| 411 | Supplying of PVC U butterfly valves with standard lever. Confirming to BS Standards with necessary flanges, nuts and bolts etc., Complete e) 90mm dia Uniblock ball Valve With Flange adaptors | 411 | Nos. | 2 | 4100 | 8200 | |
| 412 | Supplying of PVC U butterfly valves with standard lever. Confirming to BS Standards with necessary flanges, nuts and bolts etc., Complete 'f) 75mm dia Uniblock ball Valve With Flange adaptors | 412 | Nos | 1 | 2120 | 2120 | |
| 413 | Supplying of PVC U butterfly valves with standard lever. Confirming to BS Standards with necessary flanges, nuts and bolts etc., Complete g) 63 mm dia Uniblock ball valve With Flange adaptors | 413 | Nos. | 5 | 1180 | 5900 | |
| 414 | Supplying of PVC U butterfly valves with standard lever. Confirming to BS Standards with necessary flanges, nuts and bolts etc., Complete h) 32mm dia Uniblock ball valve With Flange adaptors | 414 | Nos | 3 | 355 | 1065 | |
| 415 | Supplying of PVC U Non return valve confirming to BS Standards with necessary flanges, nuts and bolts etc complete a) 250mm dia Flap check Valve with flange adaptors | 415 | Nos | 2 | 25415 | 50830 | |
| 416 | Supplying of PVC U Non return valve confirming to BS Standards with necessary flanges, nuts and bolts etc complete b) 160mm dia Flap check valve with flange adaptor | 416 | Nos | 1 | 6400 | 6400 | |
| 417 | Supplying of PVC U Non return valve confirming to BS Standards with necessary flanges, nuts and bolts etc complete c) 110mm dia Flap check valve with flange adaptors | 417 | Nos | 4 | 4015 | 16060 | |
| 418 | Supplying of PVC U Non return valve confirming to BS Standards with necessary flanges, nuts and bolts etc complete d) 63mm Non return valve | 418 | Nos | 2 | 1240 | 2480 | |
| 419 | Ladders b) S.S.316 Ladders (4 Steps) suitable for top mounting- | 419 | No | 4 | 50800 | 203200 | |
| 420 | Ladders c) S.S.316 Ladders (5 Steps) suitable for top mounting- | 420 | No | 8 | 56600 | 452800 | |
| 421 | Supplying Trolley mounted 'Kirklosker' make centrifugal pump set 2 HP, 3 Phase 415 V directly coupled with motor on suitable angle iron frame work provision of small switch board comprising of ICTPN 32 Amps, DOL starter of suitable capacity and control wiring with copper cable. | 421 | No | 1 | 145000 | 145000 | |
| 422 | Supplying of 450mm Anodised Aluminium VAC head- clip in fastening-Silver. | 422 | No | 1 | 4950 | 4950 | |
| 423 | Supplying of Extensible handles for cleaning attachments in anodized aluminium which can be adapted to the entire range of cleaning equipment, brushes, leaf skimmers and scoops 8.2 M Long. | 423 | No | 1 | 5100 | 5100 | |
| 424 | Supplying of Transparent plastic vacuum hose 2" dia 30 M long including hose cuffs for connection to suction inlets. | 424 | No | 1 | 9770 | 9770 | |
| 425 | Supplying of Deep bag net made in polypropylene and white polyester netting butterfly nut connection. | 425 | No | 1 | 855 | 855 | |
| 426 | Supplying of Curved brushes made in polypropylene for pool basis and scum liners. | 426 | No | 1 | 1350 | 1350 | |
| 427 | Supplying of Algae brushes with stainless steel bristles. | 427 | No | 1 | 870 | 870 | |
| 428 | Supplying of Test kit suitable for measurement of residual Chlorine and pH | 428 | No | 1 | 460 | 460 | |
| 429 | Soad Ash dosing equipment - Soda Ash solution preparation tank (200 lit. Complete with Agitator, water inlet, drain & overflow piping (all 25mm) all necessary valves (3 nos.) & accessories dosing piping / tubing from tank to the dosing point with necessary valves & fittings and dosing pump of Cap. 10 LPH. | 429 | Lot | 1 | 65000 | 65000 | |
| 430 | Ozone System with PLC & HMI to monitor ozone produced with health of zone comes with ORP monitor to check quality of water and inject O zone to maintain 0.3 PPM Ozonation system suitable for 500 M3/hr filtration system, capable of producing upto 150 gO3/hr (design at an ozone concentration of 8%. The feed gas for the generator is specified as Oxygen). The system should include necessary Oxygen feed, customised back flow prevention systems, and injection systems. | 430 | No | 1 | 2200000 | 2200000 | |
| 431 | Electrical Control Panel, CPRI Approved, factory made, for Pump / chemical dosing pump including motor control panel (MCC) suitable for 415 V, 3 phase, 4 Wires, 50 Hz, fabricated out of 16 SWG CRCA steel Sheet, IP 52, Floor mounting type, The steel sheet shall undergo minimum seven tank treatment followed by finishing powder coating of min. 60 microns thickness. Star delta starters with SPP, 3 Nos. of phase indicating lights, flush mounted Ammeter, Voltmeter, Selector Switches, Protective fuses. The board includes removable gland plates, cable glands, including connection with outgoing feeders complete with all respects. also includes all required cabling from Panel to Pumps with Cable, Cable Trays, Conduits, ect. within Plant Room | 431 | Nos | 1 | 350000 | 350000 | |
| 432 | Supplying of Underwater S. Steel light 36 W - 12 / 24 V, warm white colour, with cable of suitable length - for the swimming pool. | 432 | Nos | 50 | 30000 | 1500000 | |
| 433 | | 433 | Nos | 50 | 1400 | 70000 | |

























| Order | Item Name | Item Code | Unit | Quantity | Rate (INR) | Total (INR) | Actions |
|-------|---|-----------|-------|----------|------------|-------------|-------------|
| | Supplying of ABS deck box for connecting the cables between the U/W light and transformer. IP68 protection. (3/4" Threaded inlet & 1/2" gland connection x 2/4 nos) | | | | | | Prepare LBD |
| 434 | Electrical Control Panel, CPRI Approved, factory made, for lights pump including motor control panel (MCC) suitable for 415 V, 3 phase, 4 Wires, 50 Hz, fabricated out of 16 SWG CRCA steel Sheet, IP 52, Floor mounting type, The steel sheet shall undergo minimum seven tank treatment followed by finishing powder coating of min. 60 microns thickness. Star delta starters with SPP, 3 Nos. of phase indicating lights, flush mounted Ammeter, Voltmeter, Selector Switches, Protective fuses. The board includes removable gland plates, cable glands, including connection with outgoing feeders complete with all respects. also includes all required cabling from Panel to Pumps with Cable, Cable Trays, Conduits, ect. within Plant Room | 434 | Nos | 1 | 75000 | 75000 | Prepare LBD |
| 435 | Electrical Cabling for Underwater Lights of 'Polycab/Finolex 'Make Copper Armoured cable Enclosed in PVC Conduit., Cable quantities are to be measured actually at site and paid as per unit rate a) 4 Sq. mm x 3 Core | 435 | Rmt | 1500 | 350 | 525000 | Prepare LBD |
| 436 | Supplying of Starting Blocks with mounting frames and foundation bolts - The starting block is manufactured using AISI-316 stainless steel. The standard starting platform can be dismantled to enable assembly of the any electronic timing system The platform is 550mm long x 500mm wide, with a polished finish, and 700 mm high. as per FINA. | 436 | Nos | 8 | 77000 | 616000 | Prepare LBD |
| 437 | Supplying of Float line - 150 mm Dia. anti wave breaker lane ropes made from injected plastic or blown polyethylene balls assembled on polyester rope designed for high level competitions including SS 316 float line fixing post anchored on the deck with the help of SS 316 anchor, chromed brass float line tightner and SS 316 float line hook, Complete as per FINA Guidelines. | 437 | Nos | 8 | 117600 | 940800 | Prepare LBD |
| 438 | Supplying of FALSE START INDICATOR POST- comprising of 2 no stainless steel (S.S) 316 posts each of 48 mm dia and 1.8 m height provided on either side of the racing pool properly anchored in a suitable anchoring socket on the deck at specified location including one post provided with pulley and quick cord fixing and loosening device and including false start line comprising of polyester cord and a float. as per FINA. | 438 | Nos | 1 | 56000 | 56000 | Prepare LBD |
| 439 | d)Supplying of BACK STROKE TURN INDICATOR POST - comprising of 2 no stainless steel SS 316 posts each of 48 mm dia and 1.8 m height provided on either side of the racing pool properly anchored in a suitable anchoring socket on the deck at specified location and shall span across the sides including set of flags as per specifications as per FINA. | 439 | Nos | 2 | 63000 | 126000 | Prepare LBD |
| 440 | Supplying of LIFE BUOY Made of Red & White color plastic, Dia. 24" complete with SS life belt holder and Post. Make - Aqvastar/Zodiac/ Procopi | 440 | Nos | 8 | 9100 | 72800 | Prepare LBD |
| 441 | Supplying of LIFE SAVING LOOP Made of stainless steel AISI -304 can be connected to telescopic handle by using butterfly nuts, complete with 5 m long telescopic pole Make - Aqvastar/Zodiac/ Procopi | 441 | Nos | 4 | 10150 | 40600 | Prepare LBD |
| 442 | Supplying of Lifeguard Chair, 2155mm High Made in 43mm diameter, AISI-304 stainless steel. With demountable base plate. Includes treads, platform, and chair with parasol holder. Make - Aqvastar/Zodiac/ Procopi | 442 | Nos | 2 | 203000 | 406000 | Prepare LBD |
| 443 | Providing OPERATION & MAINTENANCE OF olympic swimming pool FOR FIVE YEARS i.e. Running / operation and maintenance of the entire pools, as per the standard procedures, by deploying minimum labour as mentioned in contract document , with all materials as required excluding cost of water, electricity charges. including replacement of wear & tear parts , materials, oil etc a) First Year after Testing & Commissioning | 443 | Month | 12 | 140000 | 1680000 | Prepare LBD |
| 444 | Providing OPERATION & MAINTENANCE OF olympic swimming pool FOR FIVE YEARS i.e. Running / operation and maintenance of the entire pools, as per the standard procedures, by deploying minimum labour as mentioned in contract document , with all materials as required excluding cost of water, electricity charges. including replacement of wear & tear parts , materials, oil etc b) Second Year after Testing & Commissioning | 444 | Month | 12 | 154000 | 1848000 | Prepare LBD |
| 445 | Providing OPERATION & MAINTENANCE OF olympic swimming pool FOR FIVE YEARS i.e. Running / operation and maintenance of the entire pools, as per the standard procedures, by deploying minimum labour as mentioned in contract document , with all materials as required excluding cost of water, electricity charges. including replacement of wear & tear parts , materials, oil etc c) Third Year after Testing & Commissioning | 445 | Month | 12 | 169400 | 2032800 | Prepare LBD |
| 446 | Providing OPERATION & MAINTENANCE OF olympic swimming pool FOR FIVE YEARS i.e. Running / operation and maintenance of the entire pools, as per the standard procedures, by deploying minimum labour as mentioned in contract document , with all materials as required excluding cost of water, electricity charges. including replacement of wear & tear parts , materials, oil etc d) Fourth Year after Testing & Commissioning | 446 | Month | 12 | 186340 | 2236080 | Prepare LBD |
| 447 | Supply of 900mm dia bobbinwound fibreglass and polyester resin anti corrosive sand filter with 2" connections, The filter shall be fitted with easy access top lid with manual air purge, flat clamp for cover tightening, FRP Foot base and necessary accessories such as glycerin filled pressure gauge, combination of manual sand and water drain etc., Filtration Velocity 35-40m ϕ /hr/m ϕ , Flow rate = 33 m ϕ /hr, Maximum working pressure : 2.5 Bar | 447 | Nos | 1 | 62895 | 62895 | Prepare LBD |
| 448 | Supply of Sand Media Size: 0.5 -1mm & Milled down to remove sharp points | 448 | Nos | 10 | 900 | 9000 | Prepare LBD |
| 449 | Supply of GRAVEL Size: 3 -7mm packed in 25 Kg bag. | 449 | Nos | 3 | 900 | 2700 | Prepare LBD |
| 450 | Recirculation Pump(1 Duty/ 1 Standby) Supply of centrifugal self priming pump with high hydraulic efficiency, chemical resistant and ultra quiet operation. Each pump integrated along with IP-55 protection- class F continuous rating. Pump shall be of one piece body made in fibreglass and reinforced polypropylene, integrated prefilter with strainer basket, fast opening translucent transparent polypropylene lid, easy opening knob system, 316 SS Shaft and mechanical seal. Self priming at 1m, Impeller : Plastic impeller, 63mm suction & 63mm return union connections, Horse power : 3.0 HP, 2.20 Kw, Phase : 3 phase 415v, Flowrate = 33 m ϕ /hr @ 10m water head. | 450 | Nos | 2 | 42000 | 84000 | Prepare LBD |
| 451 | Supply of Circular Main Drain- Frame & Grille in ABS 18 cu mtr/hr 150mm dia 18 cu mtr/hr | 451 | Nos | 2 | 700 | 1400 | Prepare LBD |
| 452 | Supply Vacuum Point & Plug | 452 | Nos | 2 | 390 | 780 | Prepare LBD |
| 453 | Supply of Adj Floor Inlet -2" threaded connection- Flow 10m3/h with top surface to match with tile floor | 453 | Nos | 1 | 436 | 436 | |

| Order | Item Name | Item Code | Unit | Quantity | Rate (INR) | Total (INR) | Actions |
|-------|---|-----------|------|----------|------------|-------------|---------|
| | | | | | | | |
| 454 | Supply of Wall Conduit for vacuum point with external solvent connection. 300mm long | 454 | Nos | 2 | 560 | 1120 | |
| 455 | Supplying of Circular Main Drain- Frame & Grille in ABS 18 cu mtr/hr 150mm dia 18 cu mtr/hr | 455 | Nos | 2 | 1290 | 2580 | |
| 456 | Supplying of ABS plastic deck grating of 300mm width, inter locking type, single spine | 456 | Rmt | 40 | 1500 | 60000 | |
| 457 | Underwater S. Steel light 36 W - 12 / 24 V, warm white colour, with cable of suitable length - for the swimming pool. | 457 | Nos | 6 | 30000 | 180000 | |
| 458 | Supplying of ABS deck box for connecting the cables between the U/W light and transformer. IP68 protection. (3/4" Threaded inlet & 1/2" gland connection x 2/4 nos) | 458 | Nos | 6 | 1400 | 8400 | |
| 459 | Supply of Solenoid Metering Pump 05LT/HR @ 5 Bar for chlorine and alum dosing. Supplied with IP65 anti acid casing. Power supply: 230 v a.c. 50 HZ | 459 | Nos | 2 | 11000 | 22000 | |
| 460 | Supply of chemical holding tank 100 liters | 460 | Nos | 2 | 4500 | 9000 | |
| 461 | Supply of Manual agitator 600mm | 461 | Nos | 2 | 2400 | 4800 | |
| 462 | S.S.316 Ladders (3 rungs) suitable for top mounting- | 462 | No | 2 | 44600 | 89200 | |
| 463 | All valves shall be in UPVC with PN10 rating and EPDM seat. a)Butterfly Valve with Flange Adapters dia 160mm | 463 | Nos | 1 | 9600 | 9600 | |
| 464 | All valves shall be in UPVC with PN10 rating and EPDM seat. b)Ball Valve single union dia 90mm | 464 | Nos | 1 | 4100 | 4100 | |
| 465 | All valves shall be in UPVC with PN10 rating and EPDM seat. c)Ball Valve single union dia 75mm | 465 | Nos | 1 | 2450 | 2450 | |
| 466 | All valves shall be in UPVC with PN10 rating and EPDM seat. d)Ball Valve single union dia 63mm | 466 | Nos | 8 | 1350 | 10800 | |
| 467 | All valves shall be in UPVC with PN10 rating and EPDM seat. e)Ball Valve single union dia 32 mm | 467 | Nos | 3 | 390 | 1170 | |
| 468 | All valves shall be in UPVC with PN10 rating and EPDM seat. f)Flap Check Valve with Flange Adapters -160mm dia | 468 | Nos | 1 | 6400 | 6400 | |
| 469 | All valves shall be in UPVC with PN10 rating and EPDM seat. g)Single Union Check Valve 63mm dia | 469 | Nos | 2 | 1240 | 2480 | |
| 470 | PVC pipe 10 kg/sqcm including fittings where required e.g. tees, bends. 10 kg/cm2 pressure . Measured in meters as per drawing a)110mm dia pipe | 470 | M | 24 | 1700 | 40800 | |
| 471 | PVC pipe 10 kg/sqcm including fittings where required e.g. tees, bends. 10 kg/cm2 pressure . Measured in meters as per drawing b)90mm dia pipe | 471 | M | 42 | 1500 | 63000 | |
| 472 | PVC pipe 10 kg/sqcm including fittings where required e.g. tees, bends. 10 kg/cm2 pressure . Measured in meters as per drawing c)75mm dia pipe | 472 | M | 24 | 700 | 16800 | |
| 473 | PVC pipe 10 kg/sqcm including fittings where required e.g. tees, bends. 10 kg/cm2 pressure . Measured in meters as per drawing d)63mm dia pipe | 473 | M | 60 | 450 | 27000 | |
| 474 | PVC pipe 10 kg/sqcm including fittings where required e.g. tees, bends. 10 kg/cm2 pressure . Measured in meters as per drawing e)50mm dia pipe | 474 | M | 12 | 350 | 4200 | |
| 475 | Electrical Cabling for Underwater Lights of 'Polycab/Finolex 'Make Copper Armoured cable Enclosed in PVC Conduit., Cable quantities are to be measured actually at site and paid as per unit rate, 2.5 Sqmm | 475 | Rmt | 180 | 350 | 63000 | |
| 476 | Supplying of Control panel for controlling pumps, lights.Body shall be powder coated sheet metal cabinet for indoor installation, wall mounted, dust proof and shall be with hinged doors with rubber gasket. Panel shall read and display pump status, light status,voltage,current. Panel shall come with single phase prevention, phase reversal protection. (in case of 3-phase pumps). | 476 | Nos | 1 | 45000 | 45000 | |
| 477 | Providing and laying Porcelain pool tile of size 250 mm x 125 mm and thickness 8 mm conforming to FINA (Federation International De Nation) Standard on horizontal and Vertical surface (Floor and Side Walls) in swimming pool of approved manufacturer and of shade approved by architect or engineer in charge like Light Blue / Aqua Blue etc. laid in approved pattern on 3- 6 mm (5mm average) thick bed of adhesive mortar of Polymer modified cementitious adhesive (Bal Endura gold star / latecrete / Rock force) in conjunction with polymer modified liquid Bal Endura admix Adlor equivalent product of latercrete / Rock force mixed in required proportion as specified by manufacturer including filling / scaling of joints 3-4 mm thick between the tiles with epoxy grout of Bal Endura Epoxy grout / Latecrete / Rock force with matchingcolour pigment to make it water tight and finished neat complete as per direction of Engineer-in- Charge. | 477 | Smt | 2036 | 2195 | 4469020 | |

| Order | Item Name | Item Code | Unit | Quantity | Rate (INR) | Total (INR) | Actions |
|-------|---|-----------|------|----------|------------|-------------|-------------|
| 478 | Providing and laying Porcelain pool tile of size 250 mm x 125 mm and thickness 8 mm conforming to FINA (Federation International De Nation) Standard for Lane Marking on horizontal and Vertical surface (Floor and Side Walls) in swimming pool of approved manufacturer and of shade approved by architect or engineer in charge like Cobalt Blue etc. laid in approved pattern on 3- 6 mm (5mm average) thick bed of adhesive mortar of Polymer modified cementitious adhesive (Bal Endura gold star / latecrete / Rock force) in conjunction with polymer modified liquid Bal Endura admix Adlor equivalent product of latercrete / Rock force mixed in required porportion as specified by manufacturer including filling / scaling of joints 3-4 mm thick between the tiles with epoxy grout of Bal Endura Epoxy grout / Latecrete / Rock force with matchingcolour pigment to make it water tight and finished neat complete as per direction of Engineer-in-Charge. | 478 | Smt | 170 | 2750 | 467500 | Prepare LBD |
| 479 | Providing and laying Porcelain petit carre antislip pool tile of size 250 mm x 125 mm and thickness 8 mm conforming to FINA (Federation International De Nation) Standard on horizontal and Vertical surface (Floor and Side Walls) in swimming pool of approved manufacturer and of shade approved by architect or engineer in charge like Light Blue / Aqua Blue etc. laid in approved pattern on 3- 6 mm (5mm average) thick bed of adhesive mortar of Polymer modified cementitious adhesive (Bal Endura gold star / latecrete / Rock force) in conjunction with polymer modified liquid Bal Endura admix Adlor equivalent product of latercrete / Rock force mixed in required porportion as specified by manufacturer including filling / scaling of joints 3-4 mm thick between the tiles with epoxy grout of Bal Endura Epoxy grout / Latecrete / Rock force with matchingcolour pigment to make it water tight and finished neat complete as per direction of Engineer-in-Charge. | 479 | Smt | 95.31 | 4220 | 402208.2 | Prepare LBD |
| 480 | Providing and laying Porcelain petit carre antislip pool tile of size 250 mm x 125 mm and thickness 8 mm conforming to FINA (Federation International De Nation) Standard on horizontal and Vertical surface (Floor and Side Walls) in swimming pool of approved manufacturer and of shade approved by architect or engineer in charge like Cobalt Blue etc. laid in approved pattern on 3- 6 mm (5mm average) thick bed of adhesive mortar of Polymer modified cementitious adhesive (Bal Endura gold star / latecrete / Rock force) in conjunction with polymer modified liquid Bal Endura admix Adlor equivalent product of latercrete / Rock force mixed in required porportion as specified by manufacturer including filling / scaling of joints 3-4 mm thick between the tiles with epoxy grout of Bal Endura Epoxy grout / Latecrete / Rock force with matchingcolour pigment to make it water tight and finished neat complete as per direction of Engineer-in-Charge. | 480 | Smt | 8 | 4496 | 35968 | Prepare LBD |
| 481 | Providing and laying Porcelain pool tile of size 250 mm x 125 mm and thickness 8 mm conforming to FINA (Federation International De Nation) Standard on horizontal and Vertical surface (Floor and Side Walls) in swimming pool of approved manufacturer and of shade approved by architect or engineer in charge like White etc. laid in approved pattern on 3- 6 mm (5mm average) thick bed of adhesive mortar of Polymer modified cementitious adhesive (Bal Endura gold star / latecrete / Rock force) in conjunction with polymer modified liquid Bal Endura admix Adlor equivalent product of latercrete / Rock force mixed in required porportion as specified by manufacturer including filling / scaling of joints 3-4 mm thick between the tiles with epoxy grout of Bal Endura Epoxy grout / Latecrete / Rock force with matchingcolour pigment to make it water tight and finished neat complete as per direction of Engineer-in-Charge. | 481 | Smt | 2.15 | 2315 | 4977.25 | Prepare LBD |
| 482 | Providing and laying Porcelain pool tile of size 250 mm x 125 mm and thickness 8 mm conforming to FINA (Federation International De Nation) Standard on horizontal and Vertical surface (Floor and Side Walls) in swimming pool of approved manufacturer and of shade approved by architect or engineer in charge like Yellow etc. laid in approved pattern on 3- 6 mm (5mm average) thick bed of adhesive mortar of Polymer modified cementitious adhesive (Bal Endura gold star / latecrete / Rock force) in conjunction with polymer modified liquid Bal Endura admix Adlor equivalent product of latercrete / Rock force mixed in required porportion as specified by manufacturer including filling / scaling of joints 3-4 mm thick between the tiles with epoxy grout of Bal Endura Epoxy grout / Latecrete / Rock force with matchingcolour pigment to make it water tight and finished neat complete as per direction of Engineer-in- Charge. | 482 | Smt | 8.5 | 2809 | 23876.5 | Prepare LBD |
| 483 | Providing and laying Porcelain pool tile of size 250 mm x 125 mm and thickness 8 mm conforming to FINA (Federation International De Nation) Standard on horizontal and Vertical surface (Floor and Side Walls) in swimming pool of approved manufacturer and of shade approved by architect or engineer in charge like Red etc. laid in approved pattern on 3- 6 mm (5mm average) thick bed of adhesive mortar of Polymer modified cementitious adhesive (Bal Endura gold star / latecrete / Rock force) in conjunction with polymer modified liquid Bal Endura admix Adlor equivalent product of latercrete / Rock force mixed in required porportion as specified by manufacturer including filling / scaling of joints 3-4 mm thick between the tiles with epoxy grout of Bal Endura Epoxy grout / Latecrete / Rock force with matchingcolour pigment to make it water tight and finished neat complete as per direction of Engineer-in-Charge. | 483 | Smt | 4 | 3797 | 15188 | Prepare LBD |
| 484 | Providing and laying Porcelain Striped Finger Grip Tile with Safety Marking of size 250 mm x 125 mm and thickness 20 mm conforming to FINA (Federation International De Nation) Standard on Horizontal surface (Coping) in swimming pool of approved manufacturer and of shade approved by architect or engineer in charge like Cobalt etc. laid in approved pattern on 3- 6 mm (5 mm average) thick bed of adhesive mortar of Polymer modified cementitious adhesive (Bal Endura gold star / latecrete / Rock force) in conjunction with polymer modified liquid Bal Endura admix Adlor equivalent product of latercrete / Rock force mixed in required porportion as specified by manufacturer including filling / scaling of joints 2-3 mm thick between the tiles with epoxy grout of Bal Endura Epoxy grout / Latecrete / Rock force with matchingcolour pigment to make it water tight and finished neat complete as per direction of Engineer-in- Charge. | 484 | Nos. | 1125 | 555 | 624375 | Prepare LBD |
| 485 | Providing and laying Porcelain Striped Antislip Tile with of size 250 mm x 125 mm and thickness 8 mm conforming to FINA (Federation International De Nation) Standard on Horizontal surface (Coping) in swimming pool of approved manufacturer and of shade approved by architect or engineer in charge like unglazed etc. laid in approved pattern on 3- 6 mm (5 mm average) thick bed of adhesive mortar of Polymer modified cementitious adhesive (Bal Endura gold star / latecrete / Rock force) in conjunction with polymer modified liquid Bal Endura admix Adlor equivalent product of latercrete / Rock force mixed in required porportion as specified by manufacturer including filling / scaling of joints 2-3 mm thick between the tiles with epoxy grout of Bal Endura Epoxy grout / Latecrete / Rock force with matchingcolour pigment to make it water tight and finished neat complete as per direction of Engineer-in-Charge. | 485 | Smt | 35 | 3243 | 113505 | Prepare LBD |
| 486 | Supply,Installing,testing and Commissioning electrically driven Terrace Pump of capacity 900.0 Lpm at 35.0m Head with all the necessary accessories viz.Pressure gauge etc.Operating on 3Ph 50 Hz, 400/ 440V AC supply including foundation ,bolts etc.complete.Control panel shall be as per specification 87 | 486 | No. | 1 | 86919.8 | 86919.8 | Prepare LBD |
| 487 | Supply, Erection of emergency Start / Stop Push Button station weather proof type for Booster pump at terrace level. The panel also shall compatible for auto start and manual stop for pumpset set on pressure loss basis. | 487 | No. | 1 | 40000 | 40000 | Prepare LBD |
| 488 | Supplying, laying, testing & commissioning of FRLS,PVC outer sheathe, steel armored, aluminum / copper conductor, 1100v grade power cables with glands etc.The cables shall be laid in tray / Hume pipe / in trenches/on walls/ floor etc. as required. For cables laid out door the rate shall include earth excavation providing brick and sand protection, refilling and compacting the earth. The rate shall excludes | 488 | Rmt | 40 | 450 | 18000 | Prepare LBD |

| Order | Item Name | Item Code | Unit | Quantity | Rate (INR) | Total (INR) | Actions |
|-------|---|-----------|------|----------|------------|-------------|-------------|
| | tray & Hume pipes. The minimum size of the cables shall as mentioned below, a) 4 C x 16 SqmM Copper for Booster pumps | | | | | | |
| 489 | Supplying, laying, testing & commissioning of FRLS,PVC outer sheathe, steel armored, aluminum / copper conductor, 1100v grade power cables with glands etc.The cables shall be laid in tray / Hume pipe / in trenches/on walls/ floor etc. as required. For cables laid out door the rate shall include earth excavation providing brick and sand protection, refilling and compacting the earth. The rate shall excludes tray & Hume pipes. The minimum size of the cables shall as mentioned below, b) 2 C x 2.5 Sqmm copper armoured for Instrumentation | 489 | Rmt | 20 | 150 | 3000 | Prepare LBD |
| 490 | Supplying and fixing of perforated G.I.sheet cable tray with necessary angle iron suspension supports, anchor fasteners etc. complete. Maximum height of suspension shall not exceed 500 mMSize of the tray shall be 40 x 200 x 40mm and 2mm thick. | 490 | Rmt | 10 | 400 | 4000 | Prepare LBD |
| 491 | G.I. Earthing strips of 50mm x 6mm thick, strip shall be run on floor / ceiling / walls, from the equipment to the nearest Earth pit with necessary accessories as required. (Erath pit shall be executed by other agencies). | 491 | Rmt | 10 | 100 | 1000 | Prepare LBD |
| 492 | Supplying, installing, testing and commissioning of C.I. Non-return valves as per IS:5312(PN 10) swing check type with required flanges, nuts, bolts and gaskets etc. complete. 150 mm nominal dia | 492 | Nos. | 1 | 12000 | 12000 | Prepare LBD |
| 493 | Supplying, Installing, testing and commissioning CI butterfly valves as per BS 5155 (PN 10) slim seal lever operated type with required flanges, nuts, bolts etc. complete. 150mm nominal dia | 493 | Nos. | 3 | 9000 | 27000 | Prepare LBD |
| 494 | Supplying, installing and commissioning C.I.flanged "Y" type Strainer with SS mesh,suitable flanges, nuts, bolts, gaskets etc. complete. 150mm dia. | 494 | Nos. | 1 | 5500 | 5500 | Prepare LBD |
| 495 | Supplying, installing, testing and commissioning of Gun metal chrome finished Ball valves with fittings of screwed end type. a)15mm dia. | 495 | Nos. | 1 | 750 | 750 | Prepare LBD |
| 496 | Supplying, installing, testing and commissioning of Gun metal chrome finished Ball valves with fittings of screwed end type. b)25 mm dia | 496 | Nos. | 2 | 1000 | 2000 | Prepare LBD |
| 497 | Supplying, installing, testing and commissioning of Gun metal chrome finished Ball valves with fittings of screwed end type. c) 40 mm dia. | 497 | Nos. | 1 | 1500 | 1500 | Prepare LBD |
| 498 | Supplying, installing, testing and commissioning of Gun metal chrome finished Ball valves with fittings of screwed end type. d) 50 mm dia | 498 | Nos | 1 | 1000 | 1000 | Prepare LBD |
| 499 | Supply and installation of Pressure switches of suitable range for pumpsets with Ball valves, Fittings like unions / colors / reducers etc. | 499 | Set | 1 | 6500 | 6500 | Prepare LBD |
| 500 | Supply and installation of Pressure gauges of suitable range for pumpsets with Ball valves, siphon, Fittings like unions / colors / reducers etc. | 500 | Set | 1 | 3500 | 3500 | Prepare LBD |
| 501 | Supplying, installing, testing and commissioning of approved make Heavy tubes (Class 'C')confirming to as per IS2139 Part - I (25mm Nominal bore 4.05mm thick @ 2.9 Kg/m, 32mm Nominal bore 4.05mm thick @ 3.84 Kg/m, 40mm Nominal bore 4.05mm thick @ 4.43 Kg/m,50mm Nominal bore 4.47mm thick @ 6.17 Kg/m,65mm Nominal bore 4.47mm thick @ 7.90 Kg/m,80mm Nominal bore 4.85mm thick @ 10.10 Kg/m,100mm Nominal bore 5.40mm thick @ 14.40 Kg/m,150mm Nominal bore 5.40mm thick @ 21.20 Kg/m,Such as Tees elbows check nuts unions,Flanger,Nipples etc.including cutting welding,trending fixing on walls,ceiling(Using 41-Tech pipe/MS.angle supports work includes two coats of metal primer and two coats of red enamel paint etc. a)G.I Pipe 150mm nominal dia | 501 | Rmt | 176 | 2316.6 | 407721.6 | Prepare LBD |
| 502 | Supplying, installing, testing and commissioning of approved make Heavy tubes (Class 'C')confirming to as per IS2139 Part - I (25mm Nominal bore 4.05mm thick @ 2.9 Kg/m, 32mm Nominal bore 4.05mm thick @ 3.84 Kg/m, 40mm Nominal bore 4.05mm thick @ 4.43 Kg/m,50mm Nominal bore 4.47mm thick @ 6.17 Kg/m,65mm Nominal bore 4.47mm thick @ 7.90 Kg/m,80mm Nominal bore 4.85mm thick @ 10.10 Kg/m,100mm Nominal bore 5.40mm thick @ 14.40 Kg/m,150mm Nominal bore 5.40mm thick @ 21.20 Kg/m,Such as Tees elbows check nuts unions,Flanger,Nipples etc.including cutting welding,trending fixing on walls,ceiling(Using 41-Tech pipe/MS.angle supports work includes two coats of metal primer and two coats of red enamel paint etc. b) G.I Pipe 100mm nominal dia | 502 | Rmt | 110 | 2079 | 228690 | Prepare LBD |
| 503 | Supplying, installing, testing and commissioning of approved make Heavy tubes (Class 'C')confirming to as per IS2139 Part - I (25mm Nominal bore 4.05mm thick @ 2.9 Kg/m, 32mm Nominal bore 4.05mm thick @ 3.84 Kg/m, 40mm Nominal bore 4.05mm thick @ 4.43 Kg/m,50mm Nominal bore 4.47mm thick @ 6.17 Kg/m,65mm Nominal bore 4.47mm thick @ 7.90 Kg/m,80mm Nominal bore 4.85mm thick @ 10.10 Kg/m,100mm Nominal bore 5.40mm thick @ 14.40 Kg/m,150mm Nominal bore 5.40mm thick @ 21.20 Kg/m,Such as Tees elbows check nuts unions,Flanger,Nipples etc.including cutting welding,trending fixing on walls,ceiling(Using 41-Tech pipe/MS.angle supports work includes two coats of metal primer and two coats of red enamel paint etc. c) G.I Pipe 80mm nominal dia | 503 | Rmt | 90 | 1394.8 | 125532 | Prepare LBD |
| 504 | Supplying, installing, testing and commissioning of approved make Heavy tubes (Class 'C')confirming to as per IS2139 Part - I (25mm Nominal bore 4.05mm thick @ 2.9 Kg/m, 32mm Nominal bore 4.05mm thick @ 3.84 Kg/m, 40mm Nominal bore 4.05mm thick @ 4.43 Kg/m,50mm Nominal bore 4.47mm thick @ 6.17 Kg/m,65mm Nominal bore 4.47mm thick @ 7.90 Kg/m,80mm Nominal bore 4.85mm thick @ 10.10 Kg/m,100mm Nominal bore 5.40mm thick @ 14.40 Kg/m,150mm Nominal bore 5.40mm thick @ 21.20 Kg/m,Such as Tees elbows check nuts unions,Flanger,Nipples etc.including cutting welding,trending fixing on walls,ceiling(Using 41-Tech pipe/MS.angle supports work includes two coats of metal primer and two coats of red enamel paint etc. d) G.I Pipe 65mm nominal dia | 504 | Rmt | 87 | 1244.1 | 108236.7 | Prepare LBD |
| 505 | Supplying, installing, testing and commissioning of approved make Heavy tubes (Class 'C')confirming to as per IS2139 Part - I (25mm Nominal bore 4.05mm thick @ 2.9 Kg/m, 32mm Nominal bore 4.05mm thick @ 3.84 Kg/m, 40mm Nominal bore 4.05mm thick @ 4.43 Kg/m,50mm Nominal bore 4.47mm thick @ 6.17 Kg/m,65mm Nominal bore 4.47mm thick @ 7.90 Kg/m,80mm Nominal bore 4.85mm thick @ 10.10 Kg/m,100mm Nominal bore 5.40mm thick @ 14.40 Kg/m,150mm Nominal bore 5.40mm thick @ 21.20 Kg/m,Such as Tees elbows check nuts unions,Flanger,Nipples etc.including cutting welding,trending fixing on walls,ceiling(Using 41-Tech pipe/MS.angle supports work includes two coats of metal primer and two coats of red enamel paint etc. e) G.I Pipe 50mm nominal dia | 505 | Rmt | 85 | 1092.3 | 92845.5 | Prepare LBD |
| 506 | Supplying, installing, testing and commissioning of approved make Heavy tubes (Class 'C')confirming to as per IS2139 Part - I (25mm Nominal bore 4.05mm thick @ 2.9 Kg/m, 32mm Nominal bore 4.05mm thick @ 3.84 Kg/m, 40mm Nominal bore 4.05mm thick @ 4.43 Kg/m,50mm Nominal bore 4.47mm thick @ 6.17 Kg/m,65mm Nominal bore 4.47mm thick @ 7.90 Kg/m,80mm Nominal bore 4.85mm thick @ 10.10 Kg/m,100mm Nominal bore 5.40mm thick @ 14.40 Kg/m,150mm Nominal bore | 506 | Rmt | 47 | 965.8 | 45392.6 | Prepare LBD |

| Order | Item Name | Item Code | Unit | Quantity | Rate (INR) | Total (INR) | Actions |
|-------|---|-----------|------|----------|------------|-------------|-------------|
| | 5.40mm thick @ 21.20 Kg/m,Such as Tees elbows check nuts unions,Flanger,Nipples etc.including cutting welding,trending fixing on walls,ceiling(Using 41-Tech pipe/MS.angle supports work includes two coats of metal primer and two coats of red enamel paint etc. f) G.I Pipe 40mm nominal dia | | | | | | |
| 507 | Supplying, installing, testing and commissioning of approved make Heavy tubes (Class 'C')confirming to as per IS2139 Part - I (25mm Nominal bore 4.05mm thick @ 2.9 Kg/m, 32mm Nominal bore 4.05mm thick @ 3.84 Kg/m, 40mm Nominal bore 4.05mm thick @ 4.43 Kg/m,50mm Nominal bore 4.47mm thick @ 6.17 Kg/m,65mm Nominal bore 4.47mm thick @ 7.90 Kg/m,80mm Nominal bore 4.85mm thick @ 10.10 Kg/m,100mm Nominal bore 5.40mm thick @ 14.40 Kg/m,150mm Nominal bore 5.40mm thick @ 21.20 Kg/m,Such as Tees elbows check nuts unions,Flanger,Nipples etc.including cutting welding,trending fixing on walls,ceiling(Using 41-Tech pipe/MS.angle supports work includes two coats of metal primer and two coats of red enamel paint etc. g) G.I Pipe 32mm nominal dia | 507 | Rmt | 100 | 902 | 90200 | Prepare LBD |
| 508 | Supplying, installing, testing and commissioning of approved make Heavy tubes (Class 'C')confirming to as per IS2139 Part - I (25mm Nominal bore 4.05mm thick @ 2.9 Kg/m, 32mm Nominal bore 4.05mm thick @ 3.84 Kg/m, 40mm Nominal bore 4.05mm thick @ 4.43 Kg/m,50mm Nominal bore 4.47mm thick @ 6.17 Kg/m,65mm Nominal bore 4.47mm thick @ 7.90 Kg/m,80mm Nominal bore 4.85mm thick @ 10.10 Kg/m,100mm Nominal bore 5.40mm thick @ 14.40 Kg/m,150mm Nominal bore 5.40mm thick @ 21.20 Kg/m,Such as Tees elbows check nuts unions,Flanger,Nipples etc.including cutting welding,trending fixing on walls,ceiling(Using 41-Tech pipe/MS.angle supports work includes two coats of metal primer and two coats of red enamel paint etc. h) G.I Pipe 25mm nominal dia | 508 | Rmt | 662 | 838.2 | 554888.4 | Prepare LBD |
| 509 | Supplying, installing, testing and commissioning CI butterfly valves as per BS 5155 (PN 10) slim seal standard lever operated type with required flanges, nuts, bolts etc. complete.valves to be fixed on low pressure lines for hydrant syste. 100mm nominal dia | 509 | Nos. | 6 | 6500 | 39000 | Prepare LBD |
| 510 | Supplying, erecting and commissioning of Landing Hydrants comprising of the following in the Fire duct; Single headed hydrant valve as per IS 5290, made of gunmetal with 63 mm dia instantaneous outlet of 80 mm dia fanged inlet ,Blank caps , chain and hand wheels etc complete. | 510 | Nos. | 6 | 7500 | 45000 | Prepare LBD |
| 511 | Supplying, installing, testing and commissioning of Reinforced Rubber Lined RRL Fire hose of 63mm dia 15mm length as per IS 8423 binded with one set of male and Female instantaneous Gun metal coupling as per IS 903 WINCO / NEW AGE complete | 511 | Nos. | 6 | 6920.1 | 41520.6 | Prepare LBD |
| 512 | Supplying, installing, testing and commissioning of Gun metal Barnch Pipe size of 63mm dia x 19mm dia as per IS 903 WINCO / NEW AGE complete | 512 | Nos. | 6 | 2946.9 | 17681.4 | Prepare LBD |
| 513 | Supplying, installing, testing and commissioning of Hose reel cabin MS.Pressed reel of 600mm dia swinging type motion which allows a 180 degree swing and conforms to IS:884/85 | 513 | Nos. | 6 | 4714.6 | 28287.6 | Prepare LBD |
| 514 | Fire duct Shutter fabricated out of MS.sheet and frame, door shall be 900mm x 1200 mm min. & fixed with 4 mm thick Glass, suitable Rubber beedibg and Locking arrangement. Quoted rate shall be includes all fasteners etc, and complete shutter shall be powder coated of approved colour both inside and out side. | 514 | Nos. | 6 | 4500 | 27000 | Prepare LBD |
| 515 | Supplying, installing and commissioning of fire brigade inlet inlet (common for system as well as to the water tank filling with valves) connection of 4 way with 4 nos. 63 mm dia. built - in Gun metal Non- return valves instantaneous coupling type arranged on 150 mm dia. Pipe manifold and connected to wet riser main as well as to Fire water tank. Quoted rate shall be included with C.I. Butterfly valve, C.I. Non-return valve and MS. cabinet of suitable size with mounting supports etc. complete. | 515 | Nos. | 1 | 35000 | 35000 | Prepare LBD |
| 516 | Supplying, installing and commissioning of Gun metal AIR RELEASE VALVE SIZE OF 25mm dia complete. | 516 | Nos. | 2 | 1875 | 3750 | Prepare LBD |
| 517 | Supplying, installing and commissioning Portable Fire extinguishers of following type & capacity. All to be confirmed to latest BIS codes Providing 4.5Kg CO2 gas valve type Extinguisher, Trolley Mounted, Easy Weight Management used Unused Mechanism, Gross Weight 19.1Kg. Can Height 860MM Diameter 140 MM, Discharge Time less than 13 secs, Controllable discharge mechanism, Applicable on class B&C Fire, B Rating 13B, Can Construction : Hot spinning/Forging, Valve Construction : Forging & Machining, Internal Coatingof Can : Not applicable, External coating of can : Spray Painting, Sheet metal thickness : 4.5MM ISI Approved, 1 Year Warranty eith instalert system with Superior quality EPDM Rubber Hosepipe etc., complete | 517 | Nos. | 5 | 10695.3 | 53476.5 | Prepare LBD |
| 518 | Supplying, installing and commissioning Portable Fire extinguishers of following type & capacity. All to be confirmed to latest BIS codes Mechanical Foam type fire extinguisher 9Lts. Capacity, with initial filling in brand new cylinder with powder coated finish, fitted with Gun metal union, high pressure CO2 gas cartridge, hose and ABS type branch pipe and wall mounting bracket etc. complete, | 518 | Nos. | 2 | 2000 | 4000 | Prepare LBD |
| 519 | Supplying, installing and commissioning Portable Fire extinguishers of following type & capacity. All to be confirmed to latest BIS codes Providing 6kg Fire extinguisher Mono Ammonium Phosphate Powder 50,Stored Pressure Type,Pressure Gauge,Gross weight 9.5Kg,empty weight 3.5Kg,Can height 435MM,Diameter 160MM,Discharge time less than 9 Secs,Controllable discharge mechanism(Squeeze grip with easy snap safety seal),Range minimum 4 meters,applicable on class A,B,C and electrically started Fire,A Rating 3A,B Rating 21B,can construction:Deep drawn&Co.,Mig welded, valve Construction:Forging&Mechining,Internal Coating of can:Epoxy powder coating,External Coating of can:Epoxy polyster power coating,Sheet metal metal thickness:1.60MM,Helium Leak Detection Tested,ISI and EN Approved,5years Warranty with instalert system with Superior quality EPDM Rubber Hosepipe etc.,complete | 519 | Nos. | 25 | 6400.9 | 160022.5 | Prepare LBD |
| 520 | Water CO2 type fire extinguisher 9 lts. Capacity, initial filling in brand new cylinder of powder coated finish, fitted with Gun metal union, high pressure CO2 gas cartridge & wall mounting bracket etc. complete | 520 | Nos. | 2 | 1100 | 2200 | Prepare LBD |
| 521 | Supplying of two bucket stand alongwith buckets and mounting brackets. Complete | 521 | Nos. | 12 | 619.3 | 7431.6 | Prepare LBD |
| 522 | Supplying of four bucket stand alongwith buckets and mounting brackets. Complete | 522 | Nos. | 3 | 1178.1 | 3534.3 | Prepare LBD |
| 523 | Excavation of trenches up to 1.5 M in depth& 750mm width, for laying pipes upto 150mm dia. Including forming bottom surface to required level, refilling the trenches with selected excavated earth around th pipe in layers of 150mm thick, watering, consolidating. Quoted price inclusive of disposing off / Carting away the surplus earth out side the site to a dump yard acceptable local bodies or as directed by the site engineer with a lead of 300 M etc. complete. Excavation in all kinds of soil | 523 | CuM | 50 | 400 | 20000 | Prepare LBD |
| 524 | Sealing of Fire shafts at all floor levels by using MS. angle iron frame around the shaft MS. chequered plate of 6mm thick and PCC of 1:2:4 (100mm thick) on the plate for whole shaft area as per drawings and engineer - in - charge. | 524 | Sqm | 4 | 6500 | 26000 | Prepare LBD |
| 525 | Supplyand construction of PCC (1:2:4) pedestals / supports for Under ground / above ground pipes. Quoted rate shall inclusive of excavation (if required), chipping / chasing, shuttering, plastering (if required) etc. complete. | 525 | Cum | 2 | 3500 | 7000 | |

| Order | Item Name | Item Code | Unit | Quantity | Rate (INR) | Total (INR) | Actions |
|-------|--|-----------|----------|----------|------------|-------------|---|
| | | | | | | |  |
| 526 | Supplying, Installing, testing and commissioning CI butterfly valves (PN 16) as per BS 5155 slim seal standard lever operated type with required flanges, nuts, bolts etc. complete. For low pressure lines on upper floors. 150mm dia | 526 | Nos | 1 | 10000 | 10000 |  |
| 527 | Supplying, installing, testing and commissioning of approved make 15mm dia sprinkler bulb pendent / wall mounted type designed to operate 68 degrees centegrad Make:Tyco / HD FIRE complete (colour Code of bulb liquid inside Glass bulb type Pendants As per IS 9972:57degree C-Orange,68 degree C-Red,79 degree C -Yellow,93 degree C-Green,141 degree C-Blue,182 degree C-Mauve,227/260 degree C-Black) a) Pendent sprinkler 68 deg.C | 527 | Nos | 25 | 490.6 | 12265 |  |
| 528 | Supplying, installing, testing and commissioning of approved make 15mm dia sprinkler bulb pendent / wall mounted type designed to operate 68 degrees centegrad Make:Tyco / HD FIRE complete (colour Code of bulb liquid inside Glass bulb type Pendants As per IS 9972:57degree C-Orange,68 degree C-Red,79 degree C -Yellow,93 degree C-Green,141 degree C-Blue,182 degree C-Mauve,227/260 degree C-Black) b)Upright 68 deg.C | 528 | Nos | 314 | 350 | 109900 |  |
| 529 | Supplying, installing, testing and commissioning of approved make 15mm dia sprinkler bulb pendent / wall mounted type designed to operate 68 degrees centegrad Make:Tyco / HD FIRE complete (colour Code of bulb liquid inside Glass bulb type Pendants As per IS 9972:57degree C-Orange,68 degree C-Red,79 degree C -Yellow,93 degree C-Green,141 degree C-Blue,182 degree C-Mauve,227/260 degree C-Black) c) Side wall | 529 | Nos | 25 | 490.6 | 12265 |  |
| 530 | Supplying, installing, testing and commissioning flow switch on sprinkler distribution header on each floor nd shall be connected to fire alarm panel through cable. Cable shall be measured separately. Flow swicth shall be FM Global approved. 150 mm dia | 530 | Nos. | 1 | 6500 | 6500 |  |
| 531 | Supplying, installing, testing and commissioning of Micro process base Fire alarm Control Panel having power regulation Circuit,Which conner to 230 AC to @\$V.D.C.Indicating FIRE-FAULT,ISOLATION with Feather touch push button switches,Test facility also with work test facility arrangement,Provided in the panel.All this electronic circuits components are assembled in MS.16 gauge suitable panel cabinet with glass Fraonted and locking arrangements including cost of all materials etc.complete. Make: Ravel / Golbe / Royale 8 Zone Complete. | 531 | Nos | 1 | 17678.1 | 17678.1 |  |
| 532 | Supplying, installing, testing and commissioning of Smoke detector Photo electric type detector with base LED indicator on Smoke detector with base.Make:Applow/System Sensor Complete | 532 | Nos | 76 | 3345.1 | 254227.6 |  |
| 533 | Supplying, installing, testing and commissioning of Heat detector with base LED indicator on detector fixed cum rise temperature type heat detector with base.Make:Applow/System Sensor Complete | 533 | Nos | 7 | 3345.1 | 23415.7 |  |
| 534 | Supplying, installing, testing and commissioning of Manual call points:It consists of Micro push button switch with LED and circuitary etc.works on 24V DC LED indicator with glass fronted,Also with hammer for breaking the glass incase of fire.Accomodated in 75x75x30mm size MS.16 gauge red enamel painted box Make:Ravel / Golbe / Royale Complete. | 534 | Nos | 13 | 1178.1 | 15315.3 |  |
| 535 | Supplying, installing, testing and commissioning of electronic Hooter,it consists of electronic circuit to give dual Fire alarm sound with works 24V DC with speaker all enclosed in suitable in MS 16 gauge red painted box.Complete | 535 | Nos | 12 | 1767.7 | 21212.4 |  |
| 536 | Supplying and drawing Flexible Multicore Cable manufactured with electrolytic grade flexible copper conductor confirming to table3 class 5 of IS:8130-1984 and (Virgin) PVC insulation and Sheathed suitable for working voltage upto 1100volts as per IS-694:1990& Confirming to GTP of GROUP-B.2Cx1.5 Sq.mm | 536 | Rmt. | 1250 | 31.9 | 39875 |  |
| 537 | Supplying, installing, testing and commissioning approved make FRLS PVC conduits on ceiling / wall / floor etc. complete with accessories like, Junction boxes, Collars, Bends, clamps, saddles etc. 19 mm dia. | 537 | Rmt. | 1950 | 35 | 68250 |  |
| 538 | Supplying, installing, testing and commissioning approved make twin core 1.5 sq. mm, FRLS PVC insulated copper wires conforming to IS standards and specifications | 538 | Rmt. | 50 | 55 | 2750 |  |
| 539 | Supplying, installing, testing and commissioning approved make 20 mm dia.FRLS PVC flexible conduits on ceiling / wall / floor etc. complete with accessories like, Junction boxes, Collars, Bends etc. | 539 | Rmt. | 50 | 35 | 1750 |  |
| 540 | Fire buckets round bottom type enamel painted, white inside & Red out side and Letter "FIRE" in black out side and handle with mounting bracket. Car parking areas | 540 | Nos | 20 | 900 | 18000 |  |
| 541 | Fire bucket stand fabricated by MS angles to install 4 Nos. of buckets. Car parking areas | 541 | Nos | 5 | 1080 | 5400 |  |
| 542 | Supplying and fixing of PVC trunking with necessary supports, anchor fasteners etc. complete. Size shall be 40mm x 200mm x 40mm and 2mm thick. | 542 | Rmt. | 8 | 400 | 3200 |  |
| 543 | Supplying, installing, testing and commissioning of P.A. System console panel with push button with speaker and indicator Accomdated in MS.Cabinet with painting 20 Zone cansole.Complete. | 543 | Nos | 1 | 47142.7 | 47142.7 |  |
| 544 | Supplying, installing, testing and commissioning of AHUJA Make MIKE suitable to I.A.SystemComplete | 544 | Nos | 1 | 1472.9 | 1472.9 |  |
| 545 | P.A System amplifier 250W RMS out put with complete wiring and control accessible from front Make :AHUJA.Complete | 545 | Nos | 1 | 31428.1 | 31428.1 |  |
| 546 | Supplying, installing, testing and commissioning of Public address system(Two way communication type) as per requirement of Fire Force authority and which generally comprise of Approved make 5W.wall mounted speaker with talk back facility with store enamel painted MS.Sheet hosing etc.Complete | 546 | Nos | 10 | 2259.4 | 22594 |  |
| 547 | Supplying and drawing Flexible Multicore Cable manufactured with electrolytic grade flexible copper with low conductor confirming to table3 class 5 of IS:8130-1984 and (Virgin)PVC insulation and Sheathed suitable for working voltage upto 1100volts as per IS-694:1990& Confirming to GTP of GROUP-A.2Cx1.50Sq.mm | 547 | Rmt | 700 | 36.3 | 25410 |  |
| 548 | Life guard (Divers) - 3 year Maintenance | 548 | Man days | 2520 | 492.307 | 1240613.64 |  |
| 549 | Pool gallery and deck managing staff (Literate Assistant - Non SSLC) - 3 year Maintenance | 549 | Man days | 1260 | 492.307 | 620306.82 | |

| Order | Item Name | Item Code | Unit | Quantity | Rate (INR) | Total (INR) | Actions | |
|----------------------------------|---|--------------|----------|----------|------------|-------------|-------------|--|
| <input type="text" value="550"/> | Pool cleaning staff (Sweeper) - 3 year Maintenance | 550 | Man days | 540 | 481.274 | 259887.96 | Prepare LBD | |
| <input type="text" value="551"/> | Staff to clean washroom (Sweeper) - 3 year Maintenance | 551 | Man days | 2190 | 481.274 | 1053990.06 | Prepare LBD | |
| <input type="text" value="552"/> | Diploma Holder (To inspect Pool) - 3 year Maintenance | 552 | Man days | 180 | 812.274 | 146209.32 | Prepare LBD | |
| <input type="text" value="553"/> | Pool Operator - 3 year Maintenance | 553 | Man days | 1095 | 503.341 | 551158.4 | Prepare LBD | |
| <input type="text" value="554"/> | Watchman - 3 year Maintenance | 554 | Man days | 6570 | 481.274 | 3161970.18 | Prepare LBD | |
| <input type="text" value="555"/> | Machinist class - 1 - 3 year Maintenance | 555 | Man days | 288 | 503.341 | 144962.21 | Prepare LBD | |
| <input type="text" value="556"/> | Machinist class - ii (Helper) - 3 year Maintenance | 556 | Man days | 576 | 492.307 | 283568.83 | Prepare LBD | |
| <input type="text" value="557"/> | Start up chemical cleaning process (only during first fill) - TCCA 90 | 557 | Kgs | 250 | 350 | 87500 | Prepare LBD | |
| <input type="text" value="558"/> | Start up chemical cleaning process (only during first fill) - Soda Ash | 558 | Kgs | 50.5 | 100 | 5050 | Prepare LBD | |
| <input type="text" value="559"/> | Start up chemical cleaning process (only during first fill) - HCL Acid | 559 | Kgs | 25 | 100 | 2500 | Prepare LBD | |
| <input type="text" value="560"/> | Start up chemical cleaning process (only during first fill) - Alum Powder | 560 | Kgs | 10.5 | 100 | 1050 | Prepare LBD | |
| <input type="text" value="561"/> | Start up chemical cleaning process (only during first fill) - Algaecide | 561 | Kgs | 50.5 | 300 | 15150 | Prepare LBD | |
| <input type="text" value="562"/> | Chemical use for 3 years - TCCA 90 | 562 | Kgs | 9000 | 386.167 | 3475503 | Prepare LBD | |
| <input type="text" value="563"/> | Chemical use for 3 years - Soda Ash | 563 | Kgs | 1818 | 110.333 | 200585.39 | Prepare LBD | |
| <input type="text" value="564"/> | Chemical use for 3 years - HCL Acid | 564 | Kgs | 900 | 110.333 | 99299.7 | Prepare LBD | |
| <input type="text" value="565"/> | Chemical use for 3 years - Alum Powder | 565 | Kgs | 378 | 110.333 | 41705.87 | Prepare LBD | |
| <input type="text" value="566"/> | Chemical use for 3 years - Algaecide | 566 | Kgs | 1818 | 331 | 601758 | Prepare LBD | |
| Estimated Cost Value: | | 203649708.62 | | | | | | |

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