

ZILA PARISHAD MADHEPURA

BOQ FOR MADHEPURA RESORT

Sl. No.	Ref. SOR 2022	Description	Qty.	Unit	Rate	Amount
CIVIL WORK						
1	15.2	Demolishing cement concrete including disposal of material within 50 metre load.				
	15.2.2	1:4.8 or leaner mix	3.75	Cum	677.80	2547.25
2	15.7	Demolishing brick work including stacking of serviceable material and disposal of unserviceable material within 50 metres load.				
	15.7.3	In lime mortar	0.47	Cum	340.50	159.61
3	15.34	Dismantling and stacking 50 metres load, loading points or struts including all earth work and dismantling of concrete etc. in base of				
	15.34.1	Boundary Wall Repair	29.00	mch	115.10	2877.50
4	15.36	Dismantling barbed wire or flexible rope in fencing including making roll; and stacking within 50 metres load.	100.00	kg	14.50	2610.00
5	15.56	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres load.	270.00	sqm	21.70	5859.00
6	15.60	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	4.22	cum	219.30	925.17
7	2.8	Earth work in excavation in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m. Including getting out the excavated soil and disposal of surplus excavated soil as directed, within a load of 50 m.				
	2.8.1	All kinds of soil.	1903.29	Cum	360.7	686516.17
8	2.26	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth: consolidating each deposited layer by ramming and watering load	496.21	Cum	123.9	61480.67
9	2.28	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete.	1295.77	Cum	287.3	372276.01
	2.35.1	Supplying chemical emulsion in sealed containers including delivery as specified Chlorpyrifos/Lindane emulsifiable concentrate of 20%	958.91	Ltrs	200.9	192644.82
	2.37	Diluting and injecting chemical emulsion for POSTCONSTRUCTION antitermites' treatment (including the cost of chemical emulsion)				
11	2.37.1	Along external wall where the apron is not provided using chemical emulsion @ 7.5 ltrs / sqm of the vertical surface of the substructure to a depth of 300 mm including excavation channel along the wall & rodding etc. complete.	284.12	meter	39.9	11336.39
12	11.72	Providing designation 100 A one brick flat soling joints filled with local sand including cost of watering, taxes, royalty all complete as per building specification and direction of E/I	1971.84	Sqm	283.3	558622.41
13	4.1.3	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering-all work upto plinth level. 1:3:6 (1 Cement :3 coarse sand :6 graded stone aggregate 20 mm nominal size)	65.84	Cum	3998.1	263230.91
14	4.1 4.1.5	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering-all work upto plinth level. 1:3:6 (1 Cement :3 coarse sand :6 graded stone aggregate 20 mm nominal size)	158.58	Cum	3434	544572.48
15	4.11	Providing and laying damp-proof Course 50 mm thick with cement concrete 1:2:4 (1 cement 2 coarse sand .4 graded stone aggregate 20mm nominal size)	159.80	Sqm	245.6	39246.42
16	4.17	Making plinth projection 50 mm thick of cement concrete 1:3:6 (1 cement :3 coarse sand :6 graded stone aggregate 20 mm nominal size) over 75 mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including finishing the top smooth.	213.32	Sqm	436.6	93134.64
17	5.1+5.1.1	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centring, shuttering, finishing and reinforcement-All work up to plinth level 1:1:2 (1 cement:1 coarse sand 2 graded stone aggregate 20mm nominal size)	477.26	Cum	5961.1	2844970.90
18	5.2+5.2.1	Reinforced cement concrete work in wall (any thickness), including attached pillars, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts, etc. up floor five level excluding cost of centring, shuttering, finish and reinforcement 1:1:2 (1 cement:1 coarse sand 2 graded stone aggregate 20mm nominal size)	176.78	Cum	6943.5	1227442.94

19	5.3+5.33B 4+5.33B1	Reinforced cement concrete work in beams, suspended floors, roofs having slops upto 15, landings, balconies, shelves, chajjas, lintels, bands, plain window sills, centring, shuttering, finishing and reinforcement with 1:2.4 (1 cement 2 coarse sand) 4 graded stone aggregate 20 mm nominal size) + Providing M-20 grade R.C.C. instead of M-15 grade R.C.C. + Providing M-25 grade R.C.C. instead of M-20 grade R.C.C.	261.57	Cum	5884.2	1539116.55
20	5.22	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.				0.00
	5.22A	TMT 8 mm dia				
	5.22B	TMT 10 mm dia	17217.44	Kg	94.5	1627047.84
	5.22C	TMT 12 mm dia	14820.42	Kg	92.6	1372926.28
	5.22D	TMT 16 mm dia	24315.90	Kg	90.8	2207883.72
	5.22E	TMT 20 mm dia	26689.10	Kg	91.7	2447390.47
	5.22F	TMT 25 mm dia	19080.70	Kg	91.7	1749700.19
			0.00	Kg	91.7	0.00
21	5.9.1	Centring and shuttering including strutting, propping etc. and removal of form for Foundations, footings, bases of columns etc. for mass concrete	872.33	Sqm	211.8	194584.18
22	5.9.2	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	311.42	Sqm	375.1	116812.14
23	5.9.3	Centring and shuttering including strutting, propping etc. and removal of form for Suspended floors, roofs, landings, balconies and access platform	1357.17	Sqm	437.5	593783.41
24	5.9.5	Centring and shuttering including strutting, propping etc. and removal of form for Lintels, beams, plinth beams, girders, bressumers and cantilevers.	1344.15	Sqm	404.7	543978.70
25	5.9.6	Centring and shuttering including strutting, propping etc. and removal of form for Columns, Pillars, Piers, Abutments, Posts and Struts	1403.82	Sqm	494.4	694051.08
26	5.9.7	Stairs (excluding landings) except spiral staircases.	166.62	Sqm	439.9	73276.14
27	6.1C+6.1.14C	Brick work with fly ash bricks as per IS 12894(2002) & IS 3495 in foundations and plinth in : Cement mortar 1:6 (1 cement: 6 coarse sand)	43.87	Cum	4923	215952.32
28	6.1A+6.1.14A	Brick work with bricks of class designation 100A in foundations and plinth in : Cement mortar 1:6 (1 cement: 6 coarse sand)	117.39	Sqm	4819.9	565785.32
29	6.3C +6.1.14C	Brick work with fly ash bricks as per IS 12894(2002) & IS 3495 in foundations and plinth in : Cement mortar 1:6 (1 cement: 6 coarse sand) Extra for Brick work in superstructure above plinth level up to floor V cum	205.21	Cum	5765.2	1183076.69
30	6.1A+6.1.14A+6.3A	Brick work with bricks of class designation 100A in foundations and plinth in : Cement mortar 1:6 (1 cement: 6 coarse sand) Extra for Brick work in superstructure above plinth level upto floor V cum	232.35	Cum	5662.1	1315566.99
31	6.18A+6.18.4A+6.19A	Half brick masonry with bricks of class designation 100A in foundations and plinth in : Cement mortar 1:4 (1 cement: 4 coarse sand) Extra for half Brick masonry in superstructure above plinth level upto floor V level.	399.23	6.1c	689.000	275070.16
32	6.45.2	Half brick masonry with non modular fly ash bricks of class designation 10, conforming IS :12894, in superstructure above plinth and upto floor V level.2 Cement mortar 1 : 4 (1 cement : 4 coarse sand)	89.04	Sqm	700.8	62399.23
33	9.1	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately). Local wood				
	9.1.2	Sal wood	1.60	Cum	95670.000	153048.08
34	9.20	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) decorative type, core of block board construction with frame of 1 st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters.				
	9.20.1	35 mm thick including stainless steel butt hinges with necessary screws	85.50	sqm	2845.600	243298.80
35	9.147D	Providing and fixing factory made uPVC white colour sliding glazed window upto 1.50 m in height dimension comprising of uPVC multi-chambered frame with in-built roller track and sash extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), appropriate dimension of uPVC extruded glazing beads and uPVC extruded interlocks, EPDM gasket, wool pile, zinc alloy (white powder coated) touch locks with hook, zinc alloy body with single nylon rollers (weight bearing capacity to be 40 kg), G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. (Single / double glass panes, wire mesh and silicon sealant shall be paid separately) Note: For uPVC frame and sash extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be acceptable.				
	9.147D.A	Three track three panels sliding window with fly proof S.S wire mesh (Two nos. glazed & one no. wire mesh panels) made of (big series) frame 116 x 45 mm & sash 46 x 62 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead / double glazing bead of appropriate dimension. (Area of window above 1.75 sqm).	151.38	sqm	9083.30	1375029.95

36	21.3	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item).				
	21.3.2	With float glass panes of 5.50 mm thickness				
37	9.48.2	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete	151.38	Sqm	1115.10	168803.84
38	10.32	Steel work welded in built up sections/framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required	300.00	Kg	181.6	58176.00
	10.32.2	In gratings, frames, guard bar, ladders, railings, brackets, gates & similar works				0.00
39	10.36	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge. (For payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	6034.50	KG	114.60	783233.70
	10.36		1382.00	Kg	546.8	755677.60
40	9.53	Providing 40x5 mm flat iron hold fast 40 cm long including fixing to frame with 10 mm diameter bolts, nuts and wooden plugs and embeddings in cement concrete block 30x10x15 cm 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	234.00	Each	130.80	30607.20
41	9.73.1	Providing and fixing IS : 12817 marked stainless steel butt hinges (heavy weight) with stainless steel screws etc. complete:	117.00	Each	93.70	10962.90
42	9.96	Providing and fixing aluminium sliding door bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete:				
	9.96.1	300x 16mm	22.00	Each	235.5	5181.00
	9.96.2	250x 16mm	11.00	Each	210.1	2311.10
43	9.97	Providing and fixing aluminium sliding lower bolt anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade with nuts and screws etc. complete:	0.00			
	9.97.1	300x 10mm	49.00	Each	111.4	5458.60
	9.97.2	250x 10mm	0.00	Each	98.2	0.00
44	9.100	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade with nuts and screws etc. complete:	0.00			
	9.100.1	125 mm	59.00	Each	57.1	3368.90
45	8.2	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations, of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels	164.28	Sqm	4401.20	723029.14
	10.16	Steel work in built up tubular trusses including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, welded and bolted including special shaped washers etc. complete:				
46	10.16.1	Hot finished welded type tubes	16000.00	KG	123.9	1982400.00
	11.41	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08 % and conforming to IS : 15622 of approved make in all colours and shades, laid on 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joint with white cement and matching pigments etc., complete.				
	11.41.2	Size of Tile 60x60 cm	471.16	Sqm	1638.8	772130.45
47	11.46	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand), including grouting the joint with white cement & matching pigments etc. complete.				
	11.46.2	Size of Tile 60x60 cm	88.62	Sqm	1191.8	105617.32
48	11.36	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (Thickness to be specified by the manufacture) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-charge in skirting, risers of steps and dados over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3 kg per sqm including pointing in white cement mixed with pigment of matching shade complete	486.77	Sqm	795	386985.33
49	11.40	Providing and laying Ceramic glazed floor tiles 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as white, Ivory, Grey, Fume Red, Brown, laid on 20 mm thick Cement mortar 1:4 (1 cement : 4 coarse sand) including pointing the joints with white cement and matching pigment etc., complete	118.38	Sqm	1414.0	164554.53
50	11.53	Providing and fixing Glass mosaic tiles at finished plain wall surface of size 20 mm x 20 mm x 4 mm in all colour, design, fixing in customize design as per direction of Engineer-in-charge. The glass mosaic tiles to be fixed on the wall surface with the help of approved adhesive applied at the rate of 2.5 kg per sqm and grouting of the same. The rate is inclusive of all operation, material and required pattern approved by Engineer-in-charge.	398.11	Sqm	3095.7	1232429.13

51	12.1	Providing corrugated G 3 sheet roofing fixed with G 1 J or L hooks, bolts and nuts 8 mm diameter with bitumen and G 1 kgmsl washers or with G 1 kgmsl washers filled with white lead and including a coat of approved steel primer and two coats of approved paint on even lapping of sheets complete (up to a pitch of 50%) excluding the cost of purfins, rafters and busses.	8/1/00	Sqm	1792.3	1433840.00
	12.1.1	0.60 mm thick with zinc coating not less than 275 gms/m ²	0.00			0.00
52	12.6	Providing ridges or hips of width 15 cm (min) with plain G 3 sheet fixed with G 1 J or L hooks. Bolts and nuts 8 mm dia G 1 kgmsl and bitumen washers complete.	0.00			0.00
	12.6.2	0.63 mm thick with zinc coating not less than 275 gms/m ²	8/1/00	meter	527.7	422160.00
53	12.00	Providing and fixing 15 cm wide 45 cm over all semi circular plain G 3 sheet gutter with iron brackets 40x3 mm size bolts, nuts and washers etc. including making necessary connections with rain water pipes complete.	0.00			0.00
	12.0.2	0.63 mm thick with zinc coating not less than 275 gms/m ² (min) over a length of 1.04 metres.	10/1/00	meter	518	828900.00
54	13.11.4	Cement plaster in course and 12 mm cement plaster 1:1 (cement 6 coarse sand)	8/1/00	Sqm	141.5	1240482.23
55	13.13.4	20 mm cement plaster of mix 1:1 (cement 6 coarse sand)	8/1/00	Sqm	132.1	119615.87
56	13.24.2	5 mm cement plaster to ceiling of mix 1:4 (1 cement 4 coarse sand)	0.00	Sqm	125.6	0.00
57	13.26	Neat cement punning	8/1/00	Sqm	40.5	33563.87
58	13.38.2	Extra for plastering on circular work not exceeding 6 m in radius in two coats	45.22	Sqm	29.1	1315.79
58	13.39.2	Extra for plastering done on moulding corners or architraves in two coats including neat finish to line and level	365.00	Sqm	473.2	172718.00
58	13.80A.2	Providing and applying white cement based putty of average thickness 2 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete	7221.74	Sqm	105.4	761171.59
59	13.46.1	Finishing walls with Acrylic Smooth exterior paint of required shade :	0.00	Sqm	137	0.00
60	13.48.1	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications. Two or more coats applied on walls @ 1.25 lit/10 sqm over and including one coat of special primer applied @ 0.75 lit/10 sqm.	7737.44	Sqm	117.3	907602.17
60	13.78.1	Applying one coat of cement primer of approved brand and manufacture on wall surface Cement primer	287.44	Sqm	38.6	11095.09
61	13.79.1	Finishing walls with water proofing cement paint of approved brand and manufacture and of required shade to give an even shade. New work (three or more coats)	287.44	Sqm	81.2	23339.93
61	13.81.3	With ready mixed zinc chromate yellow primer of approved brand and manufacture on steel galvanized iron/steel works	64.50	Sqm	34.8	2231.70
62	13.82.1	Painting with ready mixed paint of approved brand and manufacture in all shades to give an even shade New steel work (two or more coats)	919.88	Sqm	83.5	76209.98
63	22.8	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc, consisting of following operations. (a) Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with proprietary water - proofing compound cleaning the surface before treatment. (b) Laying cement concrete using broken bricks / brick bats 25 mm to 100 mm size with 50 % of cement mortar 1:5 (1 cement: 5 coarse sand) admixed with proprietary water proofing compound conforming to IS : 2645 over 20 mm thick layer of cement mortar of mix 1:5 (1 cement: 5 coarse sand) admixed with proprietary water proofing compound conforming to IS 2545 to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions, or walls and slabs. (c) After two days of proper curing applying a seccing coat of cement slurry admixed with proprietary water proofing compound conforming to IS : 2645. (d) Finishing the surface with 20 mm thick jointless cement mortar of mix 1:4 (1 cement: 4 coarse sand) admixed with proprietary water proofing compound conforming to IS : 2645 and finally finishing the surface with trowel with neat cement slurry and making of 300 x 300 mm square. (e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test. All above operations to be done in order and as directed and specified by the Engineer-in-Charge				
	22.8.1	With average thickness of 120 mm and minimum thickness at purfins point to be 6	602.98	sqm	850.70	512958.49
64	26A.1	Providing and supplying aluminium extruded tubular and other aluminium sections as per the architectural drawings and approved shop drawings, the aluminium quality as per grade 6063 T5 or T6 as per BS74, including super durable powder coating of 60-80 microns conforming to AAMA 2604 of required colour and shade as approved by the Engineer-in-Charge. (The item includes cost of material such as cleats, sleeves, screws etc. necessary for fabrication of extruded aluminium frame work. Nothing extra shall be paid on this account.	397.00	Kg	370.40	147048.80

Shankar
Rajendra

Pran

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65	26.A.2	Designing, fabricating, testing, protection, installing and fixing in position semi (grid) unitized system of structural glazing (with open joints) for linear as well as curvilinear portions of the building for all heights and all levels, including Structural analysis & design and for the specified design loads conforming to IS 875 part III (the system must pass the proof test at 1.5 times design wind pressure without any failure), including functional design of the aluminum sections for fixing glazing panels of various thicknesses, aluminium cleats, sleeves and splices plates etc. gaskets, screws, toggles, nuts, bolts, clamps etc., structural and weather silicone sealants, flashings, fire stop (barrier)-cum smoke seals, microwave cured EPDM gaskets for water tightness, pressure equalisation & drainage and protection against fire hazard including	39.05	Sqm	3111.40	123367.01
66	2.25(A)	Excavating, supplying and filling of local earth (including royalty but excluding carriage cost) by mechanical transport upto a lead of 3km also including ramming and watering of the earth in layers not exceeding 20 cm in trenches, plinth, sides of foundation etc. complete. If local earth is available at more than 3 km lead the actual lead must be approved by competent authority. carriage of material will be paid separately and calculated after deducting initial lead.	1400.00	mtr	411.7	576320.00
67	2.21	Earth work in rough excavation, banking excavated earth in layer not exceeding 20 cm in depth, breaking clods watering, rolling each layer with 1/2 tonne roller or wooden or steel rammers and rolling every 3rd and topmost layer with power roller of minimum 8 tonnes and dressing up in embankments for roads, flood banks, marginal banks and guide banks or filling up ground depressions, lead upto 50 m and lift upto 1.5 m.	90.00	cum	287.3	25257.00
68	16.1	Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5 cm depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the sub grade and disposal of surplus earth with lead upto 50 metres.	450.00	cum	90.7	40815.00
69	16.4	Laying, spreading and compacting stone aggregate of specified sizes to WBM specifications in uniform thickness, hand picking, rolling with 3 wheeled road / vibratory roller 8-10 tonne capacity in stages to proper grade and camber, applying and brooming requisite type of screening / binding material to fill up interstices of coarse aggregate, watering and compacting to the required density.	67.50	cum	487	32872.50
70	BCD202 2/16.43.	*Providing and laying design mix cement concrete of M-30 grade, in roads/ taxi tracks/ runways, using cement content as per design mix, using coarse sand and graded stone aggregate of 40 mm nominal size in appropriate proportions as per approved & specified design criteria, providing dowel bars with sleeve/ tie bars wherever required, laying at site, spreading and compacting mechanically by using needle and surface vibrators, levelling to required slope/ camber, finishing with required texture, including steel form work with sturdy M.S. channel sections, curing, making provision for contraction/ expansion, construction & longitudinal joints (10 mm wide x 50 mm deep) by groove cutting machine, providing and filling joints with approved joint filler and sealants, complete all as per direction of Engineer-in-charge (Item of joint fillers, sealants, dowel bars with sleeve/ tie bars to be paid separately). Note: Cement content considered in M-30 is @ 340 kg/cum. Nothing extra shall be payable for additional materials components recommended through design mix report in variance with CPWD	45.00	cum	6084.6	273807.00
71	MKT	ABC Powder Type Fire Extinguisher- 6 KG (Safe fire / Fire Tips)	22.00	Each	8850	194700.00
WATER SUPPLY & SANITARY WORK						
72	12.78	Providing and fixing on wall face unplasticised-PVC (working pressure 4 kgf per sqm) rain water pipes conforming to IS :4985 including jointing with seal ring conforming to IS: 5382 leaving 10 mm gap for thermal expansion				
	12.78.1	75 mm diameter	410.00	mtr	162.7	66707.00
	12.78.2	110 mm diameter	640.00	mtr	257.5	164800.00
73	12.79	Providing and fixing on wall face unplasticised -PVC molded fittings/accessories for unplasticised-PVC rain water pipes conforming to IS :4985 including jointing with seal ring conforming to IS: 5382 leaving 10 mm gap for thermal expansion				
	12.79.1.1	coupler 75 mm	110.00	Each	79.8	8778.00
	12.79.1.2	coupler 110 mm	155.00	Each	120	18600.00
	12.79.3.2	Single tee with door 110x110x110mm	80.00	Each	193.4	15472.00
	12.79.5.1	Band 87.5 75 mm bend	105.00	Each	91.8	9639.00
	12.79.5.2	Band 87.5 110 mm bend	77.00	Each	132	10164.00
	12.79.6.2	Shoe plain 110 mm shoe	90.00	Each	115.95	10435.50
74	12.80	Providing and fixing unplasticised -PVC pipe clip of approved design to unplasticised PVC rain water pipe by means of 60x50x50mm hard wood plugs, screwed with M.S. screws of required length including cutting brick work and fixing on cement mortar (1:4) 1 cement: 4 coarse sand and making good the wall etc complete				

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	12.80.1	75 mm					
	12.80.2	110 mm					
75	12.81	Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diameter and weighing not less than 440 grams.	110.00	Each	184.1	20251.00	
			230.00	Each	182.72	42025.60	
76	17.1.1	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast iron P or S trap, 10 litre low fixtures complete, including cutting pipe, with manually controlled device (handle lever) conforming to IS : 7231, pattern W.C. pan of size 580x440 mm with integral type foot rests	32.00	Each	47.9	1532.80	
			4.00	Each	4470.9	17883.60	
77	17.2.1	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seal and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seal and lid.	17.00	Each	4230	71910.00	
78	17.16A	Providing and fixing 8 mm dia C.P./S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in - charge.	17.00	Each	299.4	5089.80	
79	17.5.1	Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required : Single half stall urinal with 5 litre P.V.C. automatic flushing cistern.	18.00	Each	6469	116442.00	
80	17.7.1	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require : White Vitreous China Flat back wash basin size 630x 450 mm with single 15 mm C.P. brass pillar tap.	26.00	Each	2764	71864.00	
81	17.10	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS : 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required :					
	17.10.1	Kitchen sink with drain board					
	17.10.1.1	510x1040 mm bowl depth 225 mm	2.00	Each	5231.50	10463.00	
	17.10.1.2	510x1040 mm bowl depth 225 mm	1.00	Each	5900.50	5900.50	
81	17.11.2	Providing and fixing white vitreous china laboratory sink with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P. brass waste and 40mm C.P. brass trap with necessary C.P. brass unions complete, including painting of fittings and brackets, cutting and making good the wall wherever required Size 600x450x200 mm.	0.00	Each	5085.9	0.00	
82	17.28.1.1	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Semi rigid pipe 32 mm dia	26.00	Each	91	2366.00	
83	17.32.2	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board back in Rectangular shape 453x357 mm	26.00	Each	857	22292.00	
84	17.29	Providing and fixing 100 mm sand cast Iron grating for gully trap.	42.00	Each	45.2	1898.40	
85	17.69	Providing and fixing PTMT Waste Coupling for wash basin and sink, of approved quality and colour.					
86	17.69.1	Waste coupling 31 mm dia of 79 mm length and 62mm breadth weighing not less than 45 gms	96.00	Each	103	9888.00	
87	17.69.2	Waste coupling 38 mm dia of 83 mm length and 77mm breadth, weighing not less than 60 gms	10.00	Each	109.7	1097.00	
	17.70	Providing and fixing PTMT Bottle Trap for Wash basin and sink.	0.00			0.00	
88	17.70.1	Bottle trap 31mm single piece moulded with height of 270 mm, effective length of tail pipe 260 mm from the centre of the waste coupling, 77 mm breadth with 25 minimum ater seal, weighing not less than 260 gms	16.00	Each	325.1	5201.60	
	17.70.2	Bottle trap 38 mm single piece moulded with height of 270 mm, effective length of tail pipe 260 mm from the centre of the waste coupling, 77 mm breadth with 25 mm minimum water seal, weighing not less than 263 gms	0.00	Each	325.1	0.00	
89	17.71	Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms	24.00	Each	146.3	3511.20	
90	17.73	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour.					
	17.73.2	600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 68 mm, weighing not less than 190 gms	22.00	Each	424	9328.00	
91	18.9	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. External work - Exposed on wall					
	18.9.5	40 mm nominal outer dia Pipes	300.00	mtr	477.6	143280.00	
	18.9.6	50 mm nominal outer dia Pipes	385.00	mtr	730.3	281165.50	
92	18.8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.					
	18.8.1	(a) 15mm nominal outer dia Pipes	210.00	mtr	278.2	58422.00	
	18.8.3	(a) 25mm nominal outer dia Pipes	230.00	mtr	463.1	106513.00	
93	18.17.3	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 40 mm nominal bore	22.00	Each	707.3	15560.60	
	18.19.1	Providing and fixing gun metal non- return valve of approved quality (screwed end) : 25 mm nominal bore.					

18.19.1.1	Horizontal				
18.19.1.2	Vertical				
95	18.48	Providing and placing on terrace (at all floor levels) polythylene water storage tank, ISI : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	31.00	Each	5/15.00
			31.00	Each	5/15.00
			35000.00	Ltr	27
96	18.52.1	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS 8031, 15 mm nominal bore.	29.00	Each	5/14.8
97	18.53.1	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS 8031 15 mm nominal bore	30.00	Each	5/14.4
98	19.1.2	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete, 150 mm diameter	320.00	meter	4/14.30
99	19.2.2	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per standard design : 15 mm nominal bore	190.00	meter	4/14.10
100	19.4.1	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x 300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design : 100x100 mm size P type			
	19.4.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	52.00	Each	1/15.00
101	19.7.1	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard Inside size 90x80 cm and 45 cm deep including C.I. Cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) ::	38.00	Each	7/314.7
102	19.7.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	31.00	meter	5/15.00
103	19.8.1.1	Extra for depth for size 90x80 manholes With common burnt clay F.P.S. (non modular) bricks of class designation 7.5			
104	19.15.1	Providing M.S. foot rests including fixing in manholes with 20x20x10 cm cement concrete blocks 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) as per standard design : with 20x20 mm square bar	86.00	Each	310.9
105	19.30	Constructing brick masonry chamber for underground C.I. inspection chamber and bends with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg), R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand), finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete as per standard design	58.00	Each	5107.00
106	19.30.2.1	Inside size 500x700 mm and 45 cm deep With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	44.00	meter	4302.30
107	19.31.2.1	Extra for depth beyond 45 cm of brick masonry chamber For 500x700 mm size With common burnt clay F.P.S. (non modular) bricks of class designation 7.5			
108	19.32.1	Making soak pit 2.5 m diameter 3.0 metre deep with 45 x 45 cm dry brick honey comb shaft with bricks and S.W. drain pipe 100 mm diameter, 1.8 m long complete as per standard design. With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	18.00	Each	33603.40
109	24.1	Boring/drilling bore well of required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/ bore log, including hire & running charges of all equipments, tools, plants & machineries required or the job, all complete as per direction of Engineer-in-charge, upto 90 metre depth below ground level.			
110	24.1.1	All types of soil	90.00	metre	404.00
111	24.1.1.2	a. 350 mm dia bore well GL. to 30 mtr	90.00	metre	370.00
112	24.1.1.1	b. 300 mm dia bore well 30. to 60 mtr	90.00	metre	370.00
113	24.1.1.1	c. 300 mm dia bore well 60 to 90 mtr			
114	24.3	Supplying, assembling, lowering and fixing in vertical position in bore well unplasticized PVC medium well casing (CM) pipe of required dia, conforming to IS: 12818, including required hire and labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer-in-charge	90.00	metre	502.00
115	24.3.2	150 mm nominal size dia	135.00	metre	415.00
116	24.3.1	100 mm nominal size dia			
117	24.4	Supplying, assembling, lowering and fixing in vertical position in bore well unplasticized PVC medium well screen (RMS) pipes with ribs, conforming to IS: 12818, including hire & labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer-in-charge.	30.00	metre	435.00
118	24.4.1	100 mm nominal size dia			
119	24.13	Providing and fixing suitable size threaded mild steel cap or spot welded plate to the top of bore well housing/ casing pipe, removable as per requirement, all complete for borewell of	3.00	Each	160.00
120	24.13.2	150 mm nominal size dia			
121	24.14	Providing and fixing M.S. clamp of required dia to the top of casing/ housing pipe of tubewell as per IS: 2800 (part I), including necessary bolts & nuts of required size complete.	3.00	Each	1164.00
122	24.14.2	150 mm clamp			
123	24.15	Providing and fixing Bail plug/ Bottom plug of required dia to the bottom of pipe assembly of tubewell as per IS: 2800 (part I).			

125	24.15.1	100 mm dia	3.00	Each	173.00	519.00
126	24.6	Supplying, filling, spreading & leveling gravels of size range 8 mm to 10 mm, in the recharge pit, over the existing layer of boulders, in required thickness, for all leads & pits, all complete as per direction of Engineer-in-charge	27.00	cum	908.00	24516.00
126	24.12	Development of tube well in accordance with IS 2700 (part I) and IS 11189, to establish maximum rate of usable water yield without sand content (beyond permissible limit), with required capacity air compressor, running the compressor for required time till well is fully developed, measuring yield of well by "V" notch method or any other approved method, measuring static level & draw down etc. by step draw down method, collecting water samples & getting tested in approved laboratory, etc. disinfection of tubewell, all complete, including hire & labour charges of air compressor, tools & accessories etc., all as per requirement and direction of Engineer-in-charge.	72.00	Hrs.	696.77	50167.44
127	as per photo model 17-18	Transportation of drilling plant, developing equipments & all others required tools and Machinery and suitable mechanical means including all cost of loading, unloading, placing at work site and back after completion of work as per of E/I	3.00	Each	5977.00	17976.00
128	as per photo model 17-18	Supplying all materials and labours for arrangement of additional water required during the drilling period for 70 hrs & site clearance & levelling etc and providing the soap duster etc to staff engaged in drilling etc all complete work as per specification & eng in charge	3.00	Each	5320.00	15960.00
129	as per photo model 17-18	Supply Installation, commissioning and testing of single phase 2 H.P submersible pump set having discharging capacity 3.35 lps at a total head of 35 meter (approx) of KSB/Kirtoskar or equivalent make with all accessories 7 fitting etc including loading unloading and transportation of the pump set to the work site with all req. labour materials, tools and tackles installation, testing & commissioning as per standards specifications and direction of E/I	3.00	Each	23180.00	69540.00
130		Carriage cost of Materials	360.13	Nos.	958.510	345191
		Bricks	981.57	cum	1554.280	1525638
		Stone Chips	827.85	cum	2743.080	2270856
		Coarse Sand	1325.46	cum	318.330	419282
		Local Sand	715.86	Ton	501.770	359198
		Cement	96.01	Ton	501.770	48175
		Steel		Total x		49642935.00
				Sub Total x on 'A' :		52,303,796.00
		Add Multiplying Factor 1.0536 for 18% GST				
		ELECTRICAL WORK				
110	1.3	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit with modular switch, modular plate, suitable size G.I. box etc as required.	288	Nos.	1,146.00	330048.00
111	1.3.3	Group C				
	1.7	Wiring for circuit / submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required.	1326	mtr.	201.00	266526.00
	1.7.1	Wiring for switch board, and 5A socket power circuit/submain wiring along with earth wire with 2x1.5 sq. mm +1x1.5 FR PVC insulated copper conductor single core cable in surface / recessed medium PVC conduit, as required, all complete as per instructions of Elec. Er./ Architect.	898	mtr.	246.00	220908.00
	1.7.2	2 x 2.5 sq. mm + 1 x 2.5 sq. mm earth wire	368	mtr.	309.00	113712.00
	1.7.3	Wiring for circuit/submain wiring for 15A power and 25A A.C. power point along with earth wire with 2x4 sq. mm +1x4 FR PVC insulated copper conductor single core cable in surface / recessed medium PVC conduit, as required, all complete as per instructions of Elec. Er./ Architect.	140	mtr.	422.00	59080.00
	1.7.4	Supply & Fixing for sub main from L.T. Panel to METER with Light and Power point circuit 12way SPN. D.B's- 2 x 6sq. mm PVC insulated copper conductor single core cable in recessed PVC conduit with 1x6 sq. mm PVC insulated copper conductor single core cable for loop earthing as required, all complete as per instructions of Elec. Er./ Architect.	42	Each	194.00	8148.00
113	1.24.1	5/6 amps switch	53	Set	358.00	18974.00
114	1.25	Supplying and fixing stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	52	Each	414.00	21528.00
115	1.31	Supplying and fixing suitable size GI box with modular plate providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required.	50	Nos.	531.00	26550.00
116	1.32	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess including providing and fixing 8 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	2	Each	214.00	428.00
117	2.20	Providing and fixing M.V. danger notice plate of 200mmx150mm made of mild steel at least 2mm thick, vitreous enamelled white on both side and with inscription in single red colour on front side in excluding cubical panel as required.	2	Set	10,550.00	21100.00
118	2.6.3	Providing and fixing 250 amps capacity busbar chamber with 4 strips of suitable size made of copper, heavy duty, complete with all accessories including connections, earthing the body etc. as required.	1	Each	13,460.00	13460.00
119	2.6.5	Providing and fixing 100amps, rating and 25 kA breaking capacity TPN MCCB in made of existing 1.8mm thick sheet steel Panel enclosure duly painted with powder coating, wall always cubicle panel board including drawing holes in cubicle panel, making connections, etc. as required.	1	Each	20,191.00	20191.00
120	2.6.6	Supplying and fixing 20Amp 240 volts SPN MCB industrial type, power socket with 25Amp SPN MCB and 25 Amps Top in proper size steel box and plate as required, all complete as per instructions of Elec. Er./ Architect.	22	Nos.	1,513.00	33286.00
121	2.18	Providing and fixing M.V. danger notice plate of 200mmx150mm made of mild steel at least 2mm thick, vitreous enamelled white on both side and with inscription in single red colour on front side in excluding cubical panel as required.	2	Each	214.00	428.00
122	2.20	Supplying and fixing 8 way, Double door way single pole & neutral, sheet steel, MCB distribution board, 240 volts, on surface/recess, complete with tinned copper bus bar, neutral busbar, earth bar, ear bar, connections, powder painted including earthing etc. as required. (But without MCB/CCB included)	12	Each	2,591.00	31092.00

119	2.10.2	Supplying and fixing 8 way (6 + 24). Double door, Vertical type three pole & neutral, sheet steel, MCB distribution board, 415 volts, on surface recess, complete with lined copper bus - as required. (But without MCB/RCCB/isolator)	2	Each	10,707.00	21414.00
120	2.13.1	Supplying and fixing 32A rating, SPN 240 volts, "C" curve, miniature circuit breaker suitable for inductive loads of two poles in the existing MCB DB complete with connections, testing and commissioning etc. as required	37	Each	687.00	24879.00
121	2.32.1	Supplying and fixing Cable end box (Lonsa wire box, IP43) suitable for 8 way, Double door SPN complete with testing and commissioning etc. as required	16	Each	711.00	11378.00
122	3.13	Supplying and connection 4 no. copper conductor wire connected with copper earth electrode in 15 mm dia G.I pipe as required.	388	mtr	289.00	104372.00
123	3.17	Supplying and fixing 4.00 mm dia copper wire on surface or in recess for loop earthing etc. as required.	420	mtr.	144.00	60480.00
123	3.21 OR 3.6+3.8+3.9	Providing chemical/mineral maintenance free earthing system consisting of copper coated earth electrode 3 metre length and 17.2 mm outer dia along with 25 kg earth conductivity enhancing back fill mineral compound for earth inspection pit etc. as required. OR drawing of (CU) (600mm X 300mm X 3mm) plate electrode earth, all complete as per specifications and drawings attached (1No. EARTH for UPS Main neutral only.) -The rate shall be inclusive of submission of TEST REPORT (2 Ohm) of each earth pit and -Caution Note -The rate shall be inclusive of submission of TEST REPORT (2 Ohm) of each earth pit and TESTING shall be carried out in front of Officials / Consultant.	33	Each	16,675.00	550275.00
124	4.2.3	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections etc. as required	1	Each	13,698.00	13698.00
125	8.10.13	Supply and fixing panel mounted digital multimeter (Voltmeter & ammeter) including CT coil and RYB plot indicator in the existing cubical panel board including drilling holes in the panel board making connections etc as etc as required.	4	Each	6,538.00	26144.00
126	8.12	Providing and fixing wall mounting iron sheet cubical panel board, fabricated with 16 SWG gauge iron sheet, suitable size for panel mounted disconnector, including, busbar chamber, insulator, nut-bolt and painting etc. as per require. size made 3'-0" x 3'-0" x 12" x 9 SQ. FT. X 2 = 18 SQ. FT.	54	Sqfoot	2,261.00	122094.00
127	8.15	Supply and installation of regular/standard model A.C. ceiling fan of 1200 mm sweep including wiring the down rods of standard length (upto 30 cm) with 1.5 sq.	40	Each	2,482.00	99280.00
128	5.5	Supplying and fixing replaceable compact commercial batten suitable for Double TB LED tube complete with 20 watt LED polycarbonate TB tube with built in driver etc. directly on wall/ ceiling including connections with 1.5 sq.mm FRLS PVC insulated copper conductor etc. as required.	30	Each	1,232.00	36960.00
129	5.7.2	Supplying and fixing ceiling mounted 9W/10W LED downlighter complete with all accessories and replaceable electronic driver, directly on false ceiling including connection with 1.5 sq.mm FR PVC insulated copper conductor cable and earthing the body etc. as required. approved equivalent.	60	Each	1,125.00	67500.00
130	5.7.6	Supplying and fixing replaceable compact commercial batten suitable for Double TB LED tube complete with 20 watt LED polycarbonate TB tube with built in driver etc. directly on wall/ ceiling including connections with 1.5 sq.mm FRLS PVC insulated copper conductor etc. as required.	118	Each	2,049.00	241782.00
131	5.14.5	Supplying and fixing 120 watts, types LED Flood light with minimum efficacy 100 lm/w in die cast aluminium housing, toughened glass, IP 66 protection and complete with electronic driver etc on pole/building including connection earthing the body etc as require	80	Mts	6,654.00	532320.00
132	6.1	Supplying and fixing of following types lamp in the existing electrical fitting/ fixtures etc. as required.				
133	6.1.4	Supplying and fixing of 9/10 watt LED lamp types lamp in the existing electrical fitting/ fixtures etc. as required	31	Each	161.00	4991.00
134	7.7.1	Supplying, installing, testing and commissioning 2 core, 6 sq. mm XLPE/PVC insulated PVC sheathed (Heavy duty) armoured electric cable with aluminium conductor for street light.	780	Mtr	159.00	124020.00
135	7.2.1	Laying of one number additional PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of 2 core 6sq. mm or 10 sq. mm size direct in ground in the same trench in one tier horizontal formation including excavation, sand cushioning, protective covering and refilling the trench etc. as required.	1800	Mtr	222.00	399600.00
135	7.2.2	Laying of one number additional PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of Above 35 sq. mm and upto 120 sq. mm direct in ground in the same trench in one tier horizontal formation including excavation, sand cushioning, protective covering and refilling the trench etc. as required.	140	Mtr	160.00	22400.00
135	7.7.2	Supplying, installing, testing and commissioning 2 core, 10 sq. mm XLPE/PVC insulated PVC sheathed (Heavy duty) armoured electric cable with aluminium conductor for street light.	1380	Mtr	201.00	277380.00
136	7.7.7	Supply of 25 sq. mm and 3.5 core PVC/XLPE insulated, PVC sheathed (heavy duty) armoured electrical power cable with aluminium conductor for working voltage upto 1.1 KV/1.1 KV as required. (Note-Cable Measurement written is approx. Size may change according to layout of cable.) (For-Swimming pools panel)	82	Mtr	346.00	28372.00
137	7.7.12	Supply of 120 sq. mm and 3.5 core PVC/XLPE insulated, PVC sheathed (heavy duty) armoured electrical power cable with aluminium conductor for working voltage upto 1.1 KV/1.1 KV as required. (Note-Cable Measurement written is approx. Size may change according to layout of cable.) (For both ladder pillar panel man)	390	Mtr	1,186.00	462540.00
138	7.7.1	Supply of 6 sq. mm, 2 core PVC/XLPE insulated, PVC sheathed (heavy duty) armoured electrical power cable with aluminium conductor for working voltage upto 1.1 KV/1.1 KV as required. (Note-Cable Measurement written is approx. Size may change according to layout of cable.)	62	Mtr	1,186.00	73532.00
139	8.17.2	Supplying and fixing 375 mm 230 volts sweep Exhaust fan with plastic body and blades, steel closing louvers in this fan, to provide off mode protection against birds etc as per req. approved equivalent.	19	Each	5,560.00	105640.00
138	8.22.1	Supply and erection of 6 metre height Hot-dip galvanized octagonal street light pole with Singale arm, 1000 mm arm with top dia 70 mm and bottom dia A/F 130 mm, made of 3 mm thick sheet along with base plate of size 220 X 220 X 12 mm, small door opening for junction box mounting including 6A'C' series SP MCB, connector, and suitable size foundation bolts with template as required (but without pole foundation)	16	Each	24,982.00	399712.00
139	8.22.2	Supply and erection of 6 metre height Hot-dip galvanized octagonal street light pole with Double arm, 1000 mm with top dia 70 mm and bottom dia A/F 130 mm, made of 3 mm thick sheet along with base plate of size 220 X 220 X 12 mm, small door opening for junction box mounting including 6A'C' series SP MCB, connector, and suitable size foundation bolts with template as required (but without pole foundation)	30	Each	26,191.00	785730.00
137	7.1	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required.				
138	7.1.1	upto 35 sq. mm	400	mtr.	315.00	126000.00
139	7.1.3	(i) Above 95 sq. mm and upto 185sq. Mm	200	mtr.	336.00	67200.00
140	2.12.1	Supplying and fixing 5 amperes to 32 amperes rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Single pole	30	set	237.00	7110.00
141	1.33	Supplying and fixing 2 pin, 6 amp ceiling rose on the existing junction box/wooden block including connection etc as required	113	each	64.00	7232.00
142	1.34	Supplying and fixing brass batten/angle holder including connection etc. as required	42	each	80.00	3360.00

143	24	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections etc. as required.	1	Each	16,110.00	16110.00
	24.4	200 A, 36 KA, FRMCCB				
143	25	Providing and fixing following capacity busbar chamber with 4 strips of busbar size made of copper, heavy duty, complete with all accessories including connections earthing the body etc. as required.	11	Each	12,883.00	141713.00
	25.4	315 A			18,271.00	18271.00
144	27.4	Providing and fixing 200A 1P+N capacity four pole (4P) fixed panel mounted changeover switch (C/S) made in the existing cubicle panel board including drilling holes in cubicle panel, making connections etc. as required.	1	Each	1,314.00	2528.00
145	28.7	Supplying and fixing 12 way (double door, horizontal type) single pole & neutral, sheet steel MCB distribution board, 220 volts, on surface recess, complete with terminal copper bus - bar, neutral bus bar, earth bar, din bar, interconnections powder painted including earthing etc. as required. (But, But without MCB RCCB isolate)	2	Each	237.00	12324.00
	21	Supplying & fixing of following rating and breaking capacity circuit breaker and residual current circuit breaker in the	52	Each	237.00	2844.00
	21.4.2.12.1	6 A to 32 A, SP&N	12			
	21.4.2.12.1.1	6 A to 32 A, SP&N				
146	2.12	Supplying and fixing following rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive loads of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.	20	Each	6.66.00	12120.00
	2.12.2	6 A to 32 A, SP&N	1	Each	1,232.00	1232.00
	2.12.4	32 A, 100 440 volt	2	Each	2,329.00	4658.00
	2.12.8	40 A to 63 A, TP&N	2	Each	20.85	8340.00
147	1203	Supply and installation of 25 mm dia. ISI marked, PVC conduit pipe for cable laying in	400	mt	2,230.00	4550.00
		board or earth etc. as required.				6217502.00
147	1407	Supplying and fixing replaceable compact commercial chandelier (10w x 8) LED bulb with built in driver etc. directly on wall/ ceiling including connections with 1.5 sq.mm. FRLS PVC insulated copper conductor etc. as required.	2	EACH		
					TOTAL "B"	
					SUB TOTAL (A+B)	58521300.00

Md Shafiq

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05-03-2025

जनार्ण अभियंता
जिला परिषद, मवेपुर

Sanjay Kumar
जनार्ण अभियंता
जिला परिषद, मवेपुर

Binodhwar Ram

06.03.2025

जिला अभियंता
जिला परिषद, मवेपुर

BOR Approved for Rupees 55521300.00 (Five Crore eighty five lakh twenty one thousand three hundred only).

Wly
7.3.25