

Name of Work-Construction/Upgradation of Secondary Schools,BRC Bhavan,ALS Hostel, KGBV at various Location in SURAT district.

Item No.	Description Of Item	Quantity	Rate	Unit	Amount
1	Excavation for foundation upto 1.5 m depth including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(A) Loose or soft soil	1693.19	122.94	Cmt	208160.7786
2	Excavation for foundation for depth from 1.5 m to 3.0 m including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(A) Loose or soft soil	471.50	136.47	Cmt	64345.605
3	Excavation for foundation upto 1.5 m depth including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(D) Soft rock not requiring Blasting	75.00	278.06	Cmt	20854.5
4	Filling with the available excavated earth (excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering.	1518.80	136.92	Cmt	207954.096
5	Filling foundation and plinth with murrum or selected soil in layers of 20 cm. thickness including watering, ramming and consolidation etc. complete.	10159.40	301.78	Cmt	3065903.128
6	Brick work using common burnt clay building bricks having crushing strength not less than 35 kg./Sq.Cm. in foundation and plinth in Cement Mortar 1:6. (1- Cement : 6 -fine sand)(C) Fly Ash Bricks	213.56	4441.11	Cmt	948443.4516
7	Masonry work with aerated light weight concrete Blocks of size 60cm x 23cm x 23cm or any other approved size, having crushing strength @ 35 kg/sqcm Fixing with ready-mixed mortar ('Fixoblock' of M/s Ultratech cement Ltd./Rapid Fix/Lion) having tensile adhesion strength >0.8 N/mm ² and compressive strength of >2N/mm ² . The mortar is to be fixed in a thickness of 3mm to 5mm on the clean and leveled surface of block masonry using proper trowel. For all floor and lead and lift For superstructure.	487.30	4379.95	Cmt	2134349.635
8	Brick work using common burnt clay building bricks having crushing strength not less than 35Kg./Sq.Cm. for superstructure in cement mortar 1:6 (1 cement : 6 fine sand) including curing etc. complete. (C) Fly Ash Bricks For all heights and all floor	47.50	4729.83	Cmt	224666.925
9	Half brick in common burnt clay building bricks having crushing strength not less than 35 Kg/sq.cm in cement mortar 1:4 (1 cement : 4 coarse sand) (C) Fly Ash Bricks in super structure including curing etc. complete. For all floors	89.00	699.85	Smt	62286.65
10	Providing & laying Cement Concrete 1:4:8 (1 Cement : 4 Coarse sand : 8 hand broken stone aggregates of 40mm nominal size) in plinth and curing complete including cost of formwork. (A) Foundation and Plinth - At plinth level	54.64	2769.69	Cmt	151335.8616
11	Providing and laying cement concrete 1:5:10 (1- Cement : 5- Coarse sand : 10- hand broken stone aggregates 40 mm nominal size) and curing complete including cost of formwork in (A) Foundation and Plinth	9.90	2606.92	Cmt	25808.508
12	Providing & laying Cement Concrete 1:2:4 (1 Cement : 2 Coarse Sand : 4 graded stone aggregate 20 mm nominal size) & curing complete including cost of form work (A) Foundation and Plinth - Below Tie beam, Plinth protection & surface leveling work.	111.86	3741.69	Cmt	418545.4434
13	Providing and laying cement concrete flooring 1:2:4 (1-cement : 2-coarse sand : 4-graded stone aggregate 20mm nominal size) laid in one layer and finished with a floating coat of neat cement. (A) 40mm thick.	18.00	290.63	Smt	5231.34
14	Providing and laying controlled cement concrete M.150 for curing complete including cost of formwork and excluding cost of reinforcement for reinforced concrete work in (A) Foundations, footings, Base of columns and Mass concrete (Cement Level 290 Kg)	60.30	4201.00	Cmt	253320.3

Item No.	Description Of Item	Quantity	Rate	Unit	Amount
15	Providing and laying controlled cement concrete M.200 and curing complete including the cost of formwork and excluding the cost of reinforcement for reinforced concrete work in (C) Coping Vertical and horizontal for all floor (Cement Level 360 Kg)	10.20	6367.83	Cmt	64951.866
16	Providing and laying controlled cement concrete M.250 and curing complete including the cost of formwork and Excluding the cost of reinforcement for reinforced concrete work in (A) Foundations, footings, Base of columns and Mass concrete.(Cement Level 380 Kg)	350.10	4424.71	Cmt	1549090.971
17	Providing and laying controlled cement concrete M.250 and curing complete including the cost of formwork and Excluding the cost of reinforcement for reinforced concrete work in Plinth Beams. (Cement Level 380 Kg)	122.00	5985.78	Cmt	730265.16
18	Providing and laying controlled cement concrete M.200 and curing complete including the cost of formwork and excluding the cost of reinforcement for reinforced concrete work in (C) Lintels all floor (Cement Level 360 Kg)	15.97	7737.52	Cmt	123568.1944
19	Providing and laying controlled cement concrete M.200 and curing complete including the cost of formwork and excluding the cost of reinforcement for reinforced concrete work in (C) Chajja all floor (Cement Level 360 Kg)	10.40	7460.49	Cmt	77589.096
20	Providing and laying controlled cement concrete M.200 and curing complete including the cost of formwork and excluding the cost of reinforcement for reinforced concrete work in (C) Beams all floor (Cement Level 360 Kg)	140.00	6711.45	Cmt	939603
21	Providing and laying controlled cement concrete M.250 and curing complete including the cost of formwork and excluding the cost of reinforcement for reinforced concrete work in (D) Columns, Pillars posts and struts all floor (Cement Level 380 Kg)	55.00	7037.30	Cmt	387051.5
22	Providing and laying controlled cement concrete M.200 and curing complete including the cost of formwork and excluding the cost of reinforcement for reinforced concrete work in (D) Columns, Pillars posts and struts all floor (Cement Level 360 Kg)	110.00	7002.43	Cmt	770267.3
23	Providing and laying controlled cement concrete M.200 and curing complete including the cost of formwork and excluding the cost of reinforcement for reinforced concrete work in (C) Slab all floor (Cement Level 360 Kg)	293.00	6946.19	Cmt	2035233.67
24	Providing and laying controlled cement concrete M.200 and curing complete including the cost of formwork and excluding the cost of reinforcement for reinforced concrete work in (E) Staircases including landing all floor (Cement Level 360 Kg)	21.55	7461.30	Cmt	160791.015
25	Providing I.S.I. T.M.T Bars Fe.500D steel reinforcement (ISI mark) Confirmed to IS-1786 for R.C.C.work including Cutting, bending, binding and placing in position etc. complete.For all floors	117742.08	77.29	Kg.	9100285.363
26	Providing 10mm thick cement plaster in single coat on on brick/concrete walls & Ceilling & Soffit of stair interior plastering in cement mortar 1:4(1 cement 4 sand) watering, curing etc. complete.For all floors	2611.74	148.32	Smt	387373.2768
27	Providing 15mm thick cement plaster in single coat on rough or fair side of single or half brick wall for interior plastering in cement mortar 1:4(1 cement 4 sand) watering, curing etc. complete.For all floors	2459.12	206.45	Smt	507685.324
28	20mm thick sand faced cement plaster on walls above ground level consisting of 12mm thick backing coat of cement mortar 1:3(1 cement 3 sand) and 8mm thick finishing coat of cement mortar 1:1(1 cement 1 sand) watering, curing etc.complete for any Height.	5332.21	315.69	Smt	1683325.375

Item No.	Description Of Item	Quantity	Rate	Unit	Amount
29	Finishing wall with weather proof exterior emulsion paint on wall surface (two coats) to give an required shape even shade after thoroughly brushing the surface to remove all dirt, and remains of loose powdered materials.etc complete. The rate shall be including of providing two coats of primer of approved brand and manufacturer on new wall surfaces to give and even shade including throughly brushing the surface free from mortar dropping and other foreign matter and sand papered smooth.	5332.21	120.26	Smt	641251.5746
30	Distempering with dry distemper of approved brand and manufacture (two coats) and of required shade on wall surfaces to give an even shade, over and including applying one coats of Birla (White Cement based) or Asian (acrylic lapy) or equivalent and a priming coat of whitening after thoroughly brooming the surface free from mortar dropping and other foreign matter and sand paper smooth. The rate shall be including scraping and old deteriorated of existing paint.	5070.86	91.88	Smt	465910.6168
31	Painting two coats (excluding priming coat) on new steel and other metal surface with synthetic enamel paint, brushing to give an even shade including cleaning the	685.29	68.57	Smt	46990.3353
32	Providing and laying 25mm thick polished Kota stone flooring/staircase treads (two pieces with three groves in front of steps) over 20mm (average) thcik base of cement mortar 1:6 (1 cement 6 coarse sand) laid over and jointed with grey cement slurry including curing, rubbing, and polishing etc. complete.	158.00	1015.53	Smt	160453.74
33	Providing & fixing average 25mm thick Double polished Kota stones for shelves in cup board, seating plat form, including curing, rubbing, polishing etc. complete. (As directed by Engineer in charge)	147.13	848.20	Smt	124795.666
34	Providing & Fixing 25mm thick double polished vertical Kotah stone for (partion)urinal as par drawing including round edge moulding etc comp. (As directed by Engineer in charge)	10.80	1409.89	Smt	15226.812
35	Providing and laying 18 mm thick mirror polished black granite stone machine cut in single piece (Max. available) in sill and jambs laid over 10 mm thick cemen mortar 1 : 3 (1 cement : 3 coarse sand) and jointed with grey cement slurry with matching pigment incl. rubbing and polishing half rounding edge both side etc. complete colour and shed as approved by architect engineer in charge. (As directed by Engineer in charge)	72.00	2061.11	Smt	148399.92
36	providing & laying cement water proofing of average 60mm thick for terrace for all floors using first layer cement mortar (1:3) over an exsisting surface second layer of arranging brick bats according to slop adding suitable chemical to make water tieght & again third layer of cement mortar 1:3 on above including adding water proffing compound and finishing top with net cement slury using cement @ 2.75 kg/sq mt. making any patterns and design on the top etc. complete as directed.(As directed by Engineer in charge)	629.13	354.07	Smt	222756.0591
37	Providing & Laying Broken China Mosaic flooring for plain & curve surface 12mm to 20mm of broken piece of ceramic tiles or Glazed tiles (one or more colour as directed by Engg. In charge) to be laid over cement mortar bedding of CM 1:3 to plain or and slopes and to be tempered to bring mortar cream up to and colour pigment including rounding of junctions and extending them pu to 15cms along the wall and curing with bends any patterns of designs as per deawing or directions including cleaning with water and oxilic acid using 1 kg / 1 bag of water proofing materials.	615.20	779.70	Smt	479671.44
38	Providing cement vata (10 cm X 10 cm size) quartar round in cement mortar 1:1 including neat cement finishing, watering etc. complete Respectely plaster acitivity shall be commenced only after completion of vata work.	249.12	24.28	Rmt	6048.6336

Item No.	Description Of Item	Quantity	Rate	Unit	Amount
39	Providing & fixing in position mild steel door with ventilation frame 40x40x6 mm and shutter frame 35x35x5mm ,75x5 mm ms flate at lock rail,10 mm square bar in vent at10 cm c/c covered with corrugated ms sheet 0.6 mm thick, including applying a priming coat of read lead paint including cleanen the surface of all dirt, dust and other foreign matter (As directed by Engineer in charge& approved drawing and design etc.)	138.66	3717.92	Smt	515526.7872
40	Providing & fixing in position mild steel window with ventilation frame 35x35x5 mm and shutter frame 25x25x5mm ,10 mm square bar grill at10 cm c/c covered with corrugated ms sheet 0.6 mm thick,including applying a priming coat of read lead paint including cleanen the surface of all dirt, dust and other foreign matter (As directed by Engineer in charge& approved drawing and design etc.)	80.39	4128.78	Smt	331912.6242
41	Providing and fixing FRP frame size 100x50 mm and 28mm thick FRP depress panel shutter having extra reinforcement on sides & edges in Gel coat finish. The core of the shutter & frame is to be filed up with injected fire retardant grade polyurethane foam done in situ alongwith embedded wooden pieces for stiffening & also taking hinges & fintures. The whole FRP frame & shutter is to be water proof weather proof, termite proof & resistance to mild acid/alkali. Rates are to be inclusive of S.S hinges with necessary screws & alluminium fixtures & fastenings & fastener sleeve.	22.05	2377.76	Smt	52429.608
42	Providing and fixing window having extruded aluminum Colour Powder Coated section frame main outer size 63.50 x 38.10 x 1.95 mm(of Jindal Section no:4605,@ Wt 1.094 Kg / Rmt), horizontal two track member size 61.85 mm x 31.75 mm x 1.20mm (of Jindal Section no: 8687 @ wt.of 0.695 Kg/mt), vertical member of size 61.85 mm x 31.75mm x 1.30 mm (of Jindal Section no:8758 @ wt.of 0.0.659 Kg/mt) with sliding shutters of horizontal member size 40mm x 18mm x 1.29mm (of Jindal Section no:8949 @ wt.of 0.456Kg/mt), vertical member of size 40mm x 18mm x 1.29mm (of Jindal Section no:8947 @ wt.of 0.456Kg/mt/ Section 8948, @ Wt. 0.457 Kg/mt) with 5 mm thick transparent bronze colour tinted float glass with powder coated aluminum fittings and fixtures and transparent silicon sealant glass fixing to frame as per details etc complete for window.	41.58	1713.70	Smt	71255.646
43	Steel work, M.S Grill, welded in built up sections framed work including cutting, hoisting, fixing in position and applying a priming coat of read lead paint. (A)In beams and joists, channels angles Tees, flats, with connecting plates or angle cleats as in main and cross beams. Hip and jack rafters, purlins conneted to common rafters and the like	4463.00	91.08	Kg.	406490.04
44	Providing & fixing G.I rain water Spout of 65mm dia and 60cm length.	26.00	717.46	NO	18653.96
45	Painting of logo on front side wall as directed by Engineer in charge and as per approved drawing.	3.00	429.65	Smt	1288.95
46	Providing and laying white glazed tiles 6mm thick in flooring treads of steps and landing laid on a bed of 12mm thick cement mortar 1:3 (1-cement : 3-coarse sand) finishing with flush pointing in white cement.	156.00	963.12	Smt	150246.72
47	Providing and laying white glazed tiles 6mm thick in skirting, riser of steps and dedo on 10mm thick cement plaster 1:3 (1-cement : 3 coarse sand) and jointed with white cement slurry.	360.00	1127.48	Smt	405892.8
48	Providing and fixing Chicken mesh jali (22 gauge) 15cm wide at the junction of 2 different surfaces of different material component at the time of plastering to prevent cracking in plaster surface as and where directed at all floors with all leads and lifts etc.complete.	1019.07	38.77	Rmt	39509.3439
49	Providing & Fixing Green board(2400mm x 1200mm) with soft board(1200mm x 1200mm) on wall as per the drawing & design etc. complete.	20.00	10352.50	NO	207050

Item No.	Description Of Item	Quantity	Rate	Unit	Amount
50	Providing & laying Sandwich platform of maximum 700mm width : a) Sandwich type platform of top stone as 18 mm thick Granite of approved shade and sample and bottom stone as 25 mm thick single side polished kota stone with 25 mm thick screed of cement mortar 1:4 in between two stones. The stone shall be fixed by chasing in to the wall surface and providing necessary MS supports of 50x50x6mm Angle or "T" (hot dip galvanised) and embedded in between the two stones etc as per the drawing / specification and / or as instructed of EIC complete and b) 75 mm raised platform (Otli) at floor level with polished kota laid on 50mm screed of (1:2:4) and skirting of kota stone as per design and approved sample. The rate includes rounding, champhering and mirror polishing of edges, facias of granite, MS supports, all material labour and wastage, as per drawing, including necessary bonding adhesive (if required) of Araldite or equivalent. Rate shall be also inclusive of making holes & cutouts for SS sink, Oval wash basin, Piller tap / Bib tap etc. as directed by engineer in charge. (Only finished single side granite work shall be measured & paid for). (As directed by Engineer in charge& approved drawing and design etc.)	21.75	4239.15	Smt	92201.5125
51	Providing and fixing pre-cast Rubber Dye / steel Dye inter locking concrete block 60mm thick with grade of concrete M300 pneumatic compressed / vibrated mechanically and as per approved design Confirming to IS 15658 : 2006 including 35 mm Sand layer for levelling and filling the joint with sand in proper line and level as per guidelines of IRC : SP 63-2018 etc. Complete.	300.00	706.93	Smt	212079
52	Providing and fixing pre-cast concrete kerb stone of gray cement based concrete block 30 cm length, 30cm height and 15cm thick of M250 grade concrete as per approved design and including excavation for fixing in proper line and level, filling the joint with C:M 1:3 (1 Cement : 3 Fine sand) etc. complete (upto 10 ton).	150.00	374.92	Rmt	56238
53	Providing and fixing 0.90 meter high fencing with 1.20 meter long M.S. Angle posts 40 mm. X 40 mm. X 6 mm. And oil painting 3 coats fixed at 2.5 mt. C/c with Three horizontal lines and two diagonals of galvanised steel barbed wire weighing 9.38 Kg. Per 100 meter, strained and fixed to posts with G.I. staples, including fixing posts in compound wall	227.00	165.00	Rmt	37455
54	Providing and fixing of highly durable precoated Roofing Sheets having high quality color coating throughout the roof and having minimum 0.6 mm thickness .The Color Coated sheet Roofing fixed with galvanized iron /color powder coated J or L Hooks, Bolts and nuts 8mm diameter with bitumen and G.I. limpet washer or color powder coated limpet washer. filled with white lead complete as per approved sample and color as directed by engineer in charge	15.50	1098.53	Smt	17027.215
55	Providing ridges or hips 600 mm overall in precoated G.I. sheet class-3 fixed with G.I.J. or L Hooks and nuts 8mm dia G.I. Limpet and bitumen washer complete. (1) 0.60 mm thick sheet.	4.00	990.31	Smt	3961.24
56	Providing and Laying Rubble Soiling With Sand in Foundation Etc.complete.	134.50	1094.11	Cmt	147157.795
57	Construction of a soak well of as per the approved drawing & design etc.in all sort of soil complete as directed and approved by engineer incharge.(The internal In-to-in dimension shall be considered for calculation)	16.95	5940.01	Cmt	100683.1695
58	Construction of a septic tank as per the approved drawing & design etc.in all sort of soil complete as directed and approved by engineer incharge. (The internal In-to-in dimension shall be considered for calculation)	14.40	10721.36	Cmt	154387.584

Item No.	Description Of Item	Quantity	Rate	Unit	Amount
59	RCC GSR (description of item for turnkey tender) Preparing structural design of RCC Under Ground / Partially under ground / above high ground level Reservoir of required capacity as per relevant I.S.s and constructing the same, including excavation in all types of soil strata (including rock) including shoring strutting if required, for loose soil / to protect from collapse due to near by traffic load, casting 100 mm thick P.C.C. leveling course in M-10, Refilling the pit with proper soil and disposing of the surplus stuff within a lead of 50 meters. Including cement plaster in CM 1:2 with approved water proofing compound to inside water touching surface to container. Including all types of labour and material charges of lowering, laying, erecting / hosting and jointing of pipe assembly to inlet, outlet overflow, washout and bye pass arrangement as per hydraulic design. Providing and fixing accessories like MS / GI Ladder, CI Manhole frame and cover, water level indicator, adequate cowl type ventilators or lantern type ventilator with stainless steel jail. B.B. Masonry chambers for valves. Providing and applying three coats of cement paint / snowcem to the out side face of structure. It also includes satisfactory water tightness test as per relevant I.S. code and painting name of scheme and capacity on the tank as per direction of engineer in charge. List of Indian Standards for Design of GSR / SUMP:-The structural design of GSR shall be in accordance with provisions relevant I.Ss. (1) I.S. 3370 part I & II 2009 or latest revised (1.1) I.S. 3370 part III & IV 1965 or latest revised (2) I.S. 456 – 2000 or latest revised. (3) I.S. 1893 – 2000 – 1984 or latest revised. (4) I.S. 875, Part – 1 to 3, 1987 or latest revised. General Specifications:- (1) Water depth in container shall be adopted as per data of tender. If water depth is not specified the suitable water depth / acceptable to field engineer in accordance with hydraulic requirement shall be adopted for capacity. (2) Shape of container (in plan) specified by in data shall be adopted in absence circular shape shall be adopted. (2) Size shall be fixed as per	30000.00	6.32	liter	189600
60	Providing and fixing washbasin with single hole for pillar tap with M.S. brackets painted white including sutting holes and making good the same but excluding fittings.(A) Vitreous China:(ii) Flat Back washbasin 550 mm x v 400mm size. (i) In white colour including CP Brass west , MI Fisher union and Pillat tap	4.00	2070.64	NO	8282.56
61	Providing & fixing Stainless steel 316 Grab Bar 40mm dia.75Cm long rail.as directed and approved by engineer incharge.	10.00	2345.22	NO	23452.2
62	Construction of ICN Chamber as peras directed and approved by engineer incharge.	1.00	4736.00	NO	4736
63	Providing and fixing screw down bib taps of following size.(B) Brass chromium plated screws down Bib Tap. (i) 15mm dia.	56.00	186.83	NO	10462.48
64	Constructing brick masonry chamber for underground C.I. Inspection chamber and bends with bricks having crushing strength not less than 35Kg/Cm2 in C.M. 1:5 C.I. cover with frame (Light duty) 455mm x 610mm intenal dimensions total weight of cover with frame to be not less than 38Kg. (Wt. of cover 23 Kg.) and Wt. of frame 15Kg.) (R.C.C. top slabe with 1:2:4 mix (1-cement :2- coarse sand :4-graded stone aggregate 20mm size) foundation concrete 1:5:10 inside plaster 15mm thick with cement mortar 1:3 finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete.(i) Inside dimensions 455mmx 610mm and 450mm deep for single pipe line.	8.00	3175.32	NO	25402.56
65	Providing & fixing urinal of Approved quality including connecting the urinal with waste pipe, trap etc. complete (A) White earthenware flat back or corner type (including Angle cock,Waste coupling,connection pipe & waste pipe) as approved by engineer incharge.	12.00	1834.36	NO	22012.32

Item No.	Description Of Item	Quantity	Rate	Unit	Amount
66	Providing and fixing wash down water closet (European type W.C pan) with integral P or S trap including jointing the trap with soil pipe in cement mortar 1:1 (1 cement : 1 fine sand) (seat cover,Jet spray & Flush Tank to be measured Including) (A) Vitreous China (I) Long pattern white as directed and approved by engineer incharge.	4.00	2244.31	NO	8977.24
67	Providing and fixing water closet squatting pan (Indian type W.C pan) size 580 mm (earthwork, bed concrete, foot rests, Flush Cock and trap to be measured and including paid) (A) Vitreous China (I) Long pattern white as directed and approved by engineer incharge.	15.00	1441.34	NO	21620.1
68	Providing erecting and fixing double coated ISI water tank of required capacity each with all necessary fittings and connection etc. complete on terrace	8000.00	3.95	liter	31600
69	Providing & fixing UPVC ball valve(A) 40mm dia.	1.00	1687.71	NO	1687.71
70	Providing & fixing UPVC ball valve(A) 25mm dia.	4.00	650.84	NO	2603.36
71	Providing and fixing S.W. gully trap with C.I. grating brick masonry chamber and water tight C.I. cover with frame of 300mm x 300mm size (inside) with standard weight.(i) Square mouth traps.(B) 150mm x 100mm size P or R type	8.00	1292.19	NO	10337.52
72	Providing and fixing PVC SWR Nahni trap IS 14735 for drain - 75 mm diameter with jali of the following nominal diameter of self cleansing design with C.I screed down or hinged grating including the cost of cutting and making good the walls.	21.00	586.27	NO	12311.67
73	Providing & fixing 110mm dia PVC cowl vent to pipes.	6.00	19.70	NO	118.2
74	Providing & fixing 75mm dia PVC cowl vent to pipes.	6.00	30.81	NO	184.86
75	Providing laying and jointing in true line and level 40mm dia. U.P.V.C. Pipe (SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	132.30	148.12	Rmt	19596.276
76	Providing laying and jointing in true line and level 25mm dia. U.P.V.C. Pipe (SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	230.50	91.84	Rmt	21169.12
77	Providing laying and jointing in true line and level 15mm dia. U.P.V.C. Pipe (SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	51.50	72.65	Rmt	3741.475
78	Providing & fixing to wall ceiling and floor 6.0 kg F/cm2 working pressure PVC pipes of the following out side dia. Special density complete with special flange compression type fitting, wall clips etc. including making good the wall ceiling and floor.(G) 110 mm dia	230.50	275.73	Rmt	63555.765
79	Providing & fixing to wall ceiling and floor 6.0 kg F/cm2 working pressure PVC pipes of the following out side dia. Special density complete with special flange compression type fitting, wall clips etc. including making good the wall ceiling and floor.(F) 75 mm dia	110.20	133.32	Rmt	14691.864

Item No.	Description Of Item	Quantity	Rate	Unit	Amount
80	Supplying, installation, testing and commissioning of electric driven pressurisation pump suitable for automatic operation and consisting of following, complete in all respects, as required : (Jockey Pump) 180 lpm at 56 m Head Horizontal type, multistage, centrifugal pump of cast iron body and bronze impeller with stainless steel shaft, mechanical seal conforming to IS : 1520. Suitable HP squirell cage induction motor TEFC type suitable for operation on 415 volts, 3 phase 50 Hz AC supply with IP 55 class of protection for enclosure, horizontal foot mounted type with Class-'F' insulation, conforming to IS : 325. M.S.fabricated Common base plate, coupling, coupling guard, foundation bolts etc. as required. Suitable cement concrete foundation duly plastered and with anti vibration pads	1.00	71905.21	Each	71905.21
81	Providing and laying Vitrified tiles 8 to 10 mm thick , 24" x 24" in flooring treads of steps and landing laid on a bed of 12mm thick cement mortar 1:3 (1-cement : 3-coarse sand) finishing with flush pointing in white cement	2157.00	1120.36	Smt	2416616.52
82	Providing and laying Vitrified tiles 8 to 10 mm thick , 24" x 24" in skirting risers of steps and dedo on 10mm thick cement plaster 1:3 (1-cement : 3-coarse sand) and jointed with white cement slurry	195.75	1195.02	Smt	233925.165
83	Providing following type of Modular Type Accessories mounted with PVC / metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate , modules erected with necessary connections as per site situation directed by Engineer In charge.(10) 6/16Amp. Universal socket	36.00	190.89	NO	6872.04
84	Providing following type of Modular Type Accessories mounted with PVC / metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate , modules erected with necessary connections as per site situation directed by Engineer In charge.(7) Blank Plate Single,Cat.III	25.00	24.24	NO	606
85	Providing following type of Modular Type Accessories mounted with PVC / metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate , modules erected with necessary connections as per site situation directed by Engineer In charge.(8) Computer RJ-45 socket ,Cat.III	25.00	153.52	NO	3838
86	Providing and erecting ISI mark embossed Medium class RIGID PVC PIPES (F.R.L.S.) of following size complete to be erected on/in wall or ceiling erected with necessary PVC fittings & Junction boxes fixed with adhesive solution & Clamps with following dia of pipes, in approved manner as directed (a) 20 mm	645.00	23.23	Rmt	14983.35
87	Providing and erecting ISI mark embossed Medium class RIGID PVC PIPES (F.R.L.S.) of following size complete to be erected on/in wall or ceiling erected with necessary PVC fittings & Junction boxes fixed with adhesive solution & Clamps with following dia of pipes, in approved manner as directed (b) 25 mm	250.00	32.32	Rmt	8080
88	Providing & erecting PVC Corrugated Flexible Conduit with required nos. of coupling, PVC bushes, Check-nuts etc. complete of following sizes.(2) 25 mm	20.00	20.20	Rmt	404
89	Providing and erecting Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected concealed in /flushed on wall/ceiling, with 1.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size,(E) in existing pipe.(a) 2 wire 1.5 sq. mm	150.00	44.44	Rmt	6666

Item No.	Description Of Item	Quantity	Rate	Unit	Amount
90	Providing and erecting Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected concealed in /flushed on wall/ceiling, with 1.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size,(E) in existing pipe,(b) 2 wire 2.5 sq. mm	1263.50	59.59	Rmt	75291.965
91	providing and erecting Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected in / on wall / ceiling with 2.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size,(E) in existing pipe,(a) 2 wire 4 sq. mm	725.50	82.82	Rmt	60085.91
92	Supplying and erecting Flexible PVC insulated multi strand multi core 1.1 kv grade ISI marked copper wires of following size to be erected as directed.(e) 1.50 Sq.mm 3 core round PVC sheathed	177.24	44.44	Rmt	7876.5456
93	Supplying and erecting Flexible PVC insulated multi strand multi core 1.1 kv grade ISI marked copper wires of following size to be erected as directed.(c) 1.00 Sq.mm 2 core round/ flat PVC sheathed	90.00	21.21	Rmt	1908.9
94	Supplying & erecting approved make LAN cable of following size in existing pipe as per direction,[C] CAT - 6	543.00	45.45	Rmt	24679.35
95	Providing & erecting Switch board for Computer or electric apparatus consisting of following modular type accessories mounted with PVC / Metallic concealed/open box with single mounting base frame covered with textured/metallic /white front plate,modules erected with necessary connections as directed 1 no. 6A/16A universal plug-switch combined. 3 nos. 6A Switch 3 nos. 6A 5 pin Plug For Modular Tyne Accessories Cat III	25.00	1081.71	NO	27042.75
96	Decorative call bell Ting-tong box type 250 volts complete erected	2.00	68.68	NO	137.36
97	Supplying and erecting LED indoor fittings with LEDs of wattage 0.2 Watt to 0.5 Watt assembled on single MCPCB, with housing used as a heat sink shall be made of thick sheet Steel conforming to IS: 513/CRCA/ aluminium die cast powder coated and high U.V. & corrosion resistance with diffuser with company mark/name 160V to 270V, Power Factor more than 0.95, THD < 15%, CCT 3000 K to 6500K, Luminaire efficacy> 85 lumens/watt ,LED LED driver efficiency > 85 % (fitting required LM-79 & LM-80 Certificates)(NOTE: Below description have shown ranges of Wattage capacity of LED fittings.The Engineer incharge may select any wattage capacity between the ranges shown.), (A) Tube Light with integral driver,(ii) 20 Watts, Surge - 2KV,IP-20, conventional 4 feet,Cat-III	152.00	295.93	NO	44981.36
98	Supplying and erecting led lamps with following wattage capacity of 220 to 240 voltage, minimum 15000 burning hours life, 500 V in built-surge protection,Polycarbonate diffuser, mounting suitable for E14 / E27 / B22 lamp holders, pf >= 0.5(A) LED Lamps integral type, with PC diffuser suitable LAMP holder,(ii) 8 watts ,Cat-III	15.00	112.11	NO	1681.65

Item No.	Description Of Item	Quantity	Rate	Unit	Amount
99	Supplying and erecting LED street light / Flood light fittings with High power White LEDs wattage of 3 Watt and above assembled on single MCPCB, efficiency more than 130 lm/w and corrosion free High pressure die cast aluminum housing with smooth finish powder coated and heat sink extruded aluminium with diffuser and Polycarbonate optics/ lenses, with toughened glass with company mark/name engraved or embossed 160 to 270 V,Power Factor more than 0.95, THD < 10 %, CCT 3000 K to 5700K,Uniformity ratio >0.45, Luminaire efficacy> 100 lumens/watt . LED driver efficiency > 85 %.(fittings required LM-79 & LM-80 certificates)(NOTE: Below description have shown ranges of Wattage capacity of LED fittings.The Engineer incharge may select any wattage capacity between the ranges shown.)(A) Street Light (IP-65), Surge protection -4KV integral and ,Light must have 440VAC line supply with over-voltage protection.,(ii) 48 to 60 Watts,Cat-III	15.00	4997.48	NO	74962.2
100	Providing and erecting Approved make Four pole moulded case circuit breaker having breaking capacity ICU of 25 KA. at 415 V,having normal current rating up to 25 A to 100A. with Fixed thermal & magnetic release suitable to work on A.C. supply 50 c/s. with all internal connections, spreader tinned copper & complete erected in existing 16 G.M.S. housing. ICS=100% of ICU only Cat III	3.00	6173.12	NO	18519.36
101	Providing and erecting Approved make Earth fault Relay suitable to mount with inter connection suitable to following size of moulded case circuit breaker having CT ratio & MCCB rating as following along with shunt trip 220V AC. with all internal connections & complete erected in existing M.S.housing..(1) 15 A -100 A , CT Ratio 1/100	1.00	4687.41	NO	4687.41
102	Supplying and erecting triple pole & neutral 440V / 500V panel mounting Copper Busbars with four equal Nos. of electrolyte bus having current density not more than 1.6 Amp. / sq.mm (Rated current / cross section area) duly wrapped with colour insulating tape for phase sequence of following current carrying capacity, erected with necessary bus bar supports /insulators, main cable socket to each bar, erected in existing cubical panel with necessary connections. (A) Suitable for 100 Amp. capacity	4.00	1961.42	NO	7845.68
103	providing and erecting Miniature circuit breaker single pole 6A to 25A suitable to operate on 240 V A.C. system and having breaking capacity 10 KA to be erected in existing box. confirming to IS 8828/1996 with ISI Mark , Cat.III	48.00	112.11	NO	5381.28
104	Providing & erecting 240 V MCB double pole switch for lighting Load (B Curve) having 10 KA breaking capacity & confirms to IS : 8828 in existing box having following capacity (A) 6 to 32 Amp.	4.00	278.76	NO	1115.04
105	Providing & erecting 240 V MCB double pole switch for motor & inductive load (C Curve) having 10 KA breaking capacity & confirms to IS : 8828 in existing box having following capacity ,(A) 6 to 32 Amp. Cat.III	2.00	299.97	NO	599.94
106	Sheets steel powder coated enclosure suitable for incorporating One/Two nos. MCB.	4.00	176.75	NO	707
107	Providing and erecting Sheet Steel powder coated MCB distribution board - flush / surface mounted fitted with busbar, neutral link, earth bar and DIN rail, Conforms to IS 8623-1 & 3, IEC 61439-1 & 3 without MCB to house appropriate nos. of MCBs.(The DBs should be used of same company of MCB to be used) suitable for (B) three phase incoming and single phase horizontal type outgoing Per phase isolation type (PPI) (b) sheet steel double door,(ii)6 way	4.00	2913.85	NO	11655.4

Item No.	Description Of Item	Quantity	Rate	Unit	Amount
108	providing and erecting Approved make RCCBs conforming to IS: 12640 and having sensitivity of 30 mA and Short Circuit withstand capacity of 10 KA and suitable for operation on single phase 240 V,50Hz. having characteristic of quick action & tripping with all advance feature & do not incorporate any electronic component. for following Max. rating erected as directed (i) 25 Amps.DP Cat-III	12.00	1969.50	NO	23634
109	Providing and erecting Approved make RCCBs conforming to IS: 12640 and having sensitivity of 30 mA and Short Circuit withstand capacity of 10 KA and suitable for operation on 3 phase and neutral 415V,50Hz. having characteristic of quick action & tripping with all advance feature & do not incorporate any electronic component for following Max. rating erected as directed.,(ii) 40Amps. FP , Cat. III	8.00	2637.11	NO	21096.88
110	Providing & erecting Medium Voltage Danger Notice Board sticker as per language suggested by engineer incharge of standard size as per IS-2551	5.00	26.26	NO	131.3
111	Supplying & erecting in earthpit of minimum bore dia. 225mm size approved make Safe Earthing Electrode consisting Pipe-in-Pipe Technology as per IS 3043-1987 made of corrosion free hot dipped G.I.Pipes having Outer pipe dia of 80 mm having 80-200 Micron galvanising, Inner pipe dia of 40 mm having 200-250 Micron galvanising, connection terminal dia of 14 mm with constant ohmic value surrounded by highly conductive compound with high charge dissipation suitable for following type of applications with chamber and heavy duty cover.(approved make OEM has to submit test certificate including value of earth resistane of installation.(a) For Electrical Installation up to 440V in normal soil Length of pipe - 1 Mtr Back filling compound - 1 Nos Bag of 15 Kg.	1.00	4591.46	NO	4591.46
112	Supplying & erecting in earthpit of minimum bore dia. 225mm size approved make Safe Earthing Electrode consisting Pipe-in-Pipe Technology as per IS 3043-1987 made of corrosion free hot dipped G.I.Pipes having Outer pipe dia of 80 mm having 80-200 Micron galvanising, Inner pipe dia of 40 mm having 200-250 Micron galvanising, connection terminal dia of 14 mm with constant ohmic value surrounded by highly conductive compound with high charge dissipation suitable for following type of applications with chamber and heavy duty cover.(approved make OEM has to submit test certificate including value of earth resistane of installation.[b] For Electrical installation up to 11 KV located in other than normal soil i.e. Soft Rock, Marshy Soil etc. -Length of Pipe : 2 mtr -Back filling Compound :1 no. Bag of 25 Kg	1.00	5760.03	NO	5760.03
113	Providing and erecting Annealed bare Copper wire 8 to 16 SWG.	2.00	794.87	Kg.	1589.74
114	Providing and erecting Pipe type earthing having 150 cms.long and 2.5 cms. dia. galvanised iron pipe with coupling and buch buried in specially prepared earth pit complete with necessary 8 SWG earth wire.	15.00	368.65	NO	5529.75
115	For using salt and charcoal / coke as required for pipe type earthing	15.00	171.70	NO	2575.5

Item No.	Description Of Item	Quantity	Rate	Unit	Amount
116	Providing & erecting weather proof, dust & vermin proof, floor mounted front operated indoor type cubical panel board necessary IP-42 and above protection as per approval from engineer incharge made from 14 SWG thick CRC M.S. sheet for outer body & doors, 16 SWG thick CRC M.S.sheet for internal partitions with necessary accessories , supporting angles/ flats channel including cutting, bending, drilling, welding, riveting with internal partitions & cable alley as per requirements & instruction of engineer-in-charge with erection of supplied switch gears, BUSBARS, suitable size of inter connecting PVC copper wire / copper-aluminium strips, rubber grommets, rib, bakelite control fuses/MCB for measuring instruments, earth bus & earth bolts, foundation flange - bolts-base Plates, sufficient nos. of hinged doors, handles with locking arrangement and rubber gasket,heavy duty end terminal connection,danger notice board,necessary ventilation,earthing strip complete. The Panel shall be painted with epoxy powder coating. (The rates excludes the cost of switchgears, bus bars, inter connecting mains & Copper Aluminium strips, meters, Fuses etc. The dimension shall be measured excluding base beams) The panel shall be supplied with following approved manufacturers with following size.(B) The standard companies switch gear shall be used and only manufacturers at CPRI approved factory ,(i) with 350mm depth	1.00	14902.55	NO	14902.55
117	Providing and erecting XLPE(IS:7098)(I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe of following size of cables.(B) 3 1/2 core 35 Sq. mm (16 Sq. mm 1/2 core)	200.00	217.15	Rmt	43430
118	Providing and erecting XLPE (IS:7098)(I)-88 ISI armoured cable multistrand / Solid Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe of following size of cables.(B) 4 core 6 Sq. mm	375.00	124.23	Rmt	46586.25
119	Making trench in soft soil of suitable width of 90 cm deep for laying cable or locating the fault all over the run and back filling the same and making the surface as normal ground.	337.50	46.46	Rmt	15680.25
120	Making trench in Hard Murrum / Tar Road of suitable width of 90 cm or required depth for laying any size of cable or locating the fault all over the run and back filling the same and making the surface as normal ground.	337.50	62.62	Rmt	21134.25
121	Supplying following size of Light duty "A" Class G.I . Pipe & erecting as directed by Engineer-in-charge. (B) 50 mm dia	10.00	300.98	Rmt	3009.8
122	Providing & laying approved make Double walled corrugated pipes (DWC) of polyethylene(conforming to IS 14930 II)with necessary connecting accessories of same material at required depth in existing trench for laying of cable. below ground / road surface for enclosing cable (A)50 mm outer dia	50.00	62.62	Rmt	3131
123	Providing & laying approved make Double walled corrugated pipes (DWC) of polyethylene(conforming to IS 14930 II)with necessary connecting accessories of same material at required depth in existing trench for laying of cable. below ground / road surface for enclosing cable (C)90 mm outer dia	338.00	95.95	Rmt	32431.1
124	Providing and, fixing heavy duty flange type brass cable gland with rubber ring for PVC insulated armoured cable complete with out going tails, insulating tape etc for following size of cables.(B) 2 to 4 core 6 Sq. mm	4.00	38.38	NO	153.52
125	Providing and, fixing heavy duty flange type brass double compression type cable gland with rubber ring for PVC insulated armoured cable complete with out going tails, insulating tape etc for following size of cables. (B) 3 & 1/2 core 35/50 Sq. mm	2.00	75.75	NO	151.5
126	Solder less crimping type Aluminium lugs conforming to IS suitable for cable of following size evenly crimped with high pressure tool & connected to switchgear terminals with brass/cadmium plated nut bolts in an approved manner. (A) 6 Sq.mm.	16.00	6.06	NO	96.96

Item No.	Description Of Item	Quantity	Rate	Unit	Amount
127	Solder less crimping type Aluminium lugs conforming to IS suitable for cable of following size evenly crimped with high pressure tool & connected to switchgear terminals with brass/cadmium plated nut bolts in an approved manner. (D) 35 Sq.mm.	8.00	20.20	NO	161.6
128	Solder less crimping type Copper lugs conforming to IS suitable for cable of following size evenly crimped with high pressure tool & connected to switchgear terminals with brass/cadmium plated nut bolts in an approved manner. (A) 1.5/2.5 to 6 Sq.mm	140.00	8.08	NO	1131.2
129	Solder less crimping type Copper lugs conforming to IS suitable for cable of following size evenly crimped with high pressure tool & connected to switchgear terminals with brass/cadmium plated nut bolts in an approved manner. (B) 10 Sq.mm	32.00	10.10	NO	323.2
130	Supplying and erecting 19 / 20 mm. nominal bore Medium Class M.S. Pipe down rod erected duly painted for fan complete with proper insulation without leakage and earthing.	27.00	108.07	Rmt	2917.89
131	Supplying & erecting fan hook box of 10 mm M.S. round bar bounded to the RCC bars up to 50mm length each side and pierced through a 16 Gauge M.S. box / Heavy Duty PVC box complete erected concealed in Ceiling with necessary finishing.	72.00	108.07	NO	7781.04
132	Providing 2.5mm.thick laminated acrylic sheet to cover the fan hook or Fan box.	72.00	18.18	NO	1308.96
133	Supplying & erecting single phase approved make industrial exhaust fan suitable for medium duty ring mounted low noise operation suitable for medium duty having following dia size and maximum speed in RPM.[A] 305 mm dia 900 RPM.Cat.II	6.00	2054.34	NO	12326.04
134	Providing suitable M.S. louver shutter of the Exhaust fan.	6.00	368.65	NO	2211.9
135	Providing window frame suitable for erection of Exhaust fan complete covering the remaining portion of window with 15 mm. thick plywood and colour washing to match the colour of the wall.	6.00	172.71	NO	1036.26
136	Supplying & erecting approved make SMC press moulded composite FRP. loop-in, loop-out approx. 2mm thick box complete with Bakelite connector strip 5way(3P+N+E),DIN rail for mounting mob & hinged doors as per requirement having locking arrangements with mounting clamp with nuts, bolts & washers suitable for erection on pole with cable clamps& earth bolt of following size of box. (B) 250mm x 200mm x 100mm [deep]	2.00	515.10	NO	1030.2
137	Providing 1:2:4 cement concrete foundation & 70 % PCC from bottom including excavation for the pole of size 45 x 45 x 100 cm. Deep in below ground level with plinth of 45 cm x 45 cm (or 45 cm dia x 45 cm) high upper ground level with necessary curing and finishing in approved manner. (for 4 & 6 mtr pole)	15.00	809.01	NO	12135.15
138	Supplying & erecting approved make Digital time switch having lithium cell 6 years operative and operate battery backup 1 channel day clock with 14 memory programme, suitable to operate on 240V + 5%, 16A with, floating contacts Minimum switching setup time 1 minimum & LCD display. Also comprised permanent ON/OFF switching. Programming switches & housed in fire proof thermoplastic enclosure & transparent cover erected as required with necessary connection erected as directed.	1.00	3168.37	NO	3168.37

Item No.	Description Of Item	Quantity	Rate	Unit	Amount
139	Supplying & erecting Amplifier having following specification: Power Output :250W (RMS) (300W Max.) inputs : 6 Misc. & 2 Aux. frequency Response :50-1500HZ 13db Tone Controls :Cut & Boost type LED Meter :5 LED Arrays The amplifier suitable to operate 240V A.C.& 24volt D.C. (Battery) with automatic changeover from AC to Battery operation, duly protected by wrong Battery Polarity connections. [[Approved by Competent Authority i.e. not Below the rank of Executive Engineer]	1.00	11298.87	Each	11298.87
140	Supplying & erecting recess wall mounting speaker with 5W rated input power 3.3 K. Ohms / 3W impedance, 100 - 10000 Hz frequency response with 6 inch dia. cone type 8 ohms speakers duly fitted in ABS plastic cabinet of colour match with wall or ceiling of following size. (b)Square shaped 260 x 260mm size speaker	10.00	591.86	NO	5918.6
141	Supplying, installing and testing approved make microphone for All purpose, with frequency response of 100 - 11000 Hz, having sensitivity 2.2mv / Pa & impedance 500 Ohms (LO- Z) supplied with quick detachable holder, 6 mtr twin core cable & 3 pin XLR connector. [[Approved by Competent Authority i.e. not Below the rank of Executive Engineer]	1.00	1284.72	Each	1284.72
142	Providing & erecting water cooler having storage capacity 150 Ltr. & cooling capacity 150 Ltr.per hour @ an ambient temp of 45° C. The outlet temp. of the water should drop by 15°C within a hour, The water cooler should be comprising of hermetically sealed compressor, fan motor, condensing unit, water tank surrounded by evaporating, coil, thermostats, relay etc.complete with necessary inlet & outlet connection. The body of water cooler will be made from Stainless Steel	3.00	46648.87	NO	139946.61
143	Supplying & erecting 5 stage single reverse osmosis water purification system with M.S. powder coated frame, prefilter housing with 'O' ring presediment filter GAC filter, carbon filter suitable buster DC pump capacity 80 psi, mention with 40 psi inline type post carbon filter auto low & high pressure switches with following size of storage tank & LPH capacity & erected as directed [C] 50 Ltr / Hr with 150 psi 2 nos booster pump	3.00	24394.53	NO	73183.59
144	Supplying and erecting approved make panel mounting type Digital Ammeter having 3 digits LED display, external CT operated, calibrated for 0 to 1000 Amps suitable to operate on 500 Volt AC , erected on existing panel board with all connection, wiring etc .with manufacturers calibration certificate.	1.00	1558.43	NO	1558.43
145	Supplying and erecting approved make panel mounting type Digital Voltmeter having 3 digits LED display, 0 to 750 AC Volts range erected on existing panel board with all connection, wiring etc .with manufacturers calibration certificate.	1.00	1275.63	NO	1275.63
146	Providing & erecting L.T. Current Transformer with bar primary 50/5 to 1000/5 ratio 15 VA burden erected in existing CRCA box duly secured with insulating materials connected to the meter	4.00	274.72	NO	1098.88
147	Supplying and erecting approved make suitable panel indicator LED type lamp, lens cover, complete erected with necessary connections.	4.00	43.43	NO	173.72
148	Supplying and erecting Ammeter / Voltmeter selector switch for 3 phase AC Supply 500 V on existing panel board with necessary connections.	1.00	317.14	NO	317.14

Item No.	Description Of Item	Quantity	Rate	Unit	Amount
149	Supplying & erecting approved make motor control cubical panel (Direct - on - line) made from 16 G. CRCA sheet duly epoxy powder painted inside and outside with hinged doors and locking, arrangement consisting of suitable size of ON- OFF isolator (AC - 3/23duty) main fuses, single phasing preventer, indicating lamps for R- Y - B phases, overload relay, Automatic water level controller, Ammeter, Voltmeter each with two way selector switch incoming, wires duly socket crimped, main contactor & overload relay, start - stop push buttons, to be erected on angle iron frame grouted on wall as directed. The isolator, overload relay & contactors will be of L & T, Siemens or BCH make only. (A) DOL up to 5.0 H.P.	1.00	7722.46	NO	7722.46
150	Lowering of submersible motor pump set at the depth of following ,complete with required. Nos. and size of casing pipes erected by means of proper chain pulley block & pipe wrenches after checking of threads of each pipe with coupling to take the load of the pump set and pipe assembly filled up with water (D)For Open well Horizontal submersible pump set for sump well(i) 1 HP to 5 HP	2.00	856.48	NO	1712.96
151	Providing and erecting ISI marked PVC insulated PVC Sheathed Flat flexible Submersible copper cable approved make of following Size. (c) 3 Core x 4 Sq. mm	200.00	146.45	Rmt	29290
152	Supplying rubber matting of following thickness as per IS:15652/IEC 61111 (b)4mm	2.00	1027.17	Smt	2054.34
153	SUPPLYING, INSTALING, TESTING AND COMMISSIONING OF Of your premises of pipes and as per spec G.I. Pipe fittings such as Bends, Tees, reducers, rubber insertions asnd galvanised nuts and bolts including Flow Directions Marketing, One coat of Primer, one coat of Signal Red color 100 MM	130.00	2938.95	Rmt	382063.5
154	SUPPLYING, INSTALING, TESTING AND COMMISSIONING OF Of your premises of pipes and as per spec G.I. Pipe fittings such as Bends, Tees, reducers, rubber insertions asnd galvanised nuts and bolts including Flow Directions Marketing, One coat of Primer, one coat of Signal Red color 80 MM	16.00	1960.36	Rmt	31365.76
155	Providing & Fixing Of SS, Fire Hydrant Single Headed Valve Isi Mark, With 80 Mm N.B. Flanged Inlet, Ss 316 Orifice Plate, Ss Spindle Controlled 63 Mm Dia Female Instantaneous Outlet Type. Ss Coupling, Blank Cap, Chain, Twist Release Type Lug & All Accessories Conforming To Is:5290 Including Fixing With Anchor Fastner And Flanged Tapping From Wet Riser, Complete As Required.	6.00	7109.08	NO	42654.48
156	Providing and fixing 63mm Parole fire hose of approved grand conforming to IS 636 type B having crushing pressure of 37.20 kg/cm 2 of ISI marked of 15 mtr length fitting with necessary S.S 63mm delivery hose coupling as IS 903 with ISI mark bided with GI wire etc complete directed.	6.00	8886.34	NO	53318.04
157	Providing & Fixing Of Of 63 Mm Dia Instantaneous Pattern Short Branch Pipe, Made From Ss , Isi Mark, 20 Mm Dia Nozzle Conforming To Is 903, Suitable For Inter Connection To Hose Pipe Coupling Complete As Required.	6.00	2346.00	NO	14076
158	Providing & Fixing Of Swinging Type Isi Mark, First Aid Hose Reel In Red Colour Drum With 30 Mtrs Long 25 Mm Dia Heavy Duty Rubber Water Hose, 25 Mm Dia Globe Valve Stop Cock, Terminating With Ss Coupling & Nozzle Of 8Mm Outlet With Shut Off Valve Confirming To Is 8090 - 1976 Complete With Ms Socket For Tap-Off, Drum And Brackets (Including Painting) For Fixing On Wall With Anchor Fastner, Bolts & Nuts Conforming To Is:884-1969 Complete As Required	6.00	7701.50	NO	46209

Item No.	Description Of Item	Quantity	Rate	Unit	Amount
159	Providing & Fixing Of Lockable Cabinet, Made Out Of Ms Sheet Of 20 Gauge Thickness Having Central Opening And 4 Mm Thick Glazed Glass Doors (Twonos.) To Accommodate 1 Nos Of Hose Pipe (15Mtr) And 1 No. Gm / Ss Branch Pipe Etc Suitably Marked On The Outside With The Letters "Fire Hose" Including Necessary Locking Arrangement And Shall Be Painted With One Coat Of Primer And Two Coats Of Synthetic Enamel Paint Of Approved Shade.	6.00	2843.63	NO	17061.78
160	Providing & Fixing Of Hand Lever Operated Butterfly Valve (100 Mm Dia) With Ci Body And Ss Disc With Epdm Lining With All Required Accessories Like Flange, Teflon Gaskate, Gi Nut Bolts Etc.	6.00	5687.26	NO	34123.56
161	Providing & Fixing Of Hand Lever Operated Butterfly Valve (80 Mm Dia) With Ci Body And Ss Disc With Epdm Lining With All Required Accessories Like Flange, Teflon Gaskate, Gi Nut Bolts Etc.	6.00	4976.35	NO	29858.1
162	Site Of Ci Non-Return Valves (100 Mm Dia) As Per Is:5312 (Part 1) 1984, Wafer Type With Required Flange, Nuts, Bolts And Gaskets Etc Complete.	6.00	3585.50	NO	21513
163	Providing & Fixing Of 2 Way Valve Isi Marked All Required Fitting Accessories.3	6.00	6565.00	NO	39390
164	Providing & Fixing Of 450 Lpm Fire Pump With Panel Isi Marked All Required Fitting Accessories. . (One Year One Time Motor Winding Warranty)(M.R.) 7.5 Hp	1.00	62115.00	HP	62115
165	Site Of Gm 25Mm Dia Air Vent Valves With 25 Mm Dia. Ball Valve, Nipple And Other Required Accessories.	2.00	2979.50	NO	5959
166	Providing & Fixing Of Fire Proof 3.5C X 50 Sq Mm Cable As Required Isi Marked All Required Fitting Accessories.	150.00	278.44	Rmt	41766
167	Providing Co2 Type Fire Extinguisher 4.5 Kg Isi Marked All Required Fitting Accessories.(M.R.)	6.00	7878.00	NO	47268
168	Providing & Fixing Of Manual Call Point Isi Marked All Required Fitting Accessories.(Boq)	6.00	1203.72	NO	7222.32
169	Suplying, Installing, Testing And Commissioning Of Fire Hooter(M.R.)	6.00	2323.00	NO	13938
170	Providing & Fixing Of Presure Meter Switch Isi Marked.(Boq)	6.00	6516.65	NO	39099.9
171	Providing and fixing to wall, ceiling & floor U.P.V.C (SCH 40) of the following Outside dia. Tube fitting and clamps, and testing including making good wall and floor etc. (c) 75mm Dia.	90.00	134.65	Rmt	12118.5
172	Providing & fixing UPVC check or non-return fullway valve(A)75mm dia.	6.00	622.26	NO	3733.56
173	Providing & eraction Core Cutting up to 200mm	6.00	858.50	NO	5151
174	Supply & installation of Conventational , Fire Alaem Control Panel Make Agni or similar	3.00	5422.69	NO	16268.07
175	Providing and laying controlled cement concrete M.200 for curing complete including cost of formwork and excluding cost of reinforcement for reinforced concrete work in R.C.C. Bend & Vertical fins for all floors level. (Cement Level 360 Kg)	30.05	6382.32	Cmt	191788.716
176	Providing & laying Controlled cement concrete M-200 and finishing smooth with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for reinforced concrete work in foundation footing base of columns and mass concrete	25.62	4055.89	Cmt	103911.9018
177	Providing & laying Controlled cement concrete for plinth beam(tie beam) with M-200 cement concrete including finishing smooth with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for any cross sectional area of beam.	30.63	5962.07	Cmt	182618.2041

Item No.	Description Of Item	Quantity	Rate	Unit	Amount
178	Providing and laying average 25mm (20 to 30 mm) thick machine cut green polished kotah stone of approved quality, selected and sorted for uniform colour, including fine smooth, and scratchless polishing, (without waxing) and having thin paper joints as per sample approved by Architect, for platforms, staircases (treads and risers), sinks, shelves, morry, parapet top, window sill, door window jambs, residue etc. in floor, dado or facia etc. up to 1000-1500mm. long and with maximum width of 600 mm, including necessary machine - cut edges (uniform thickness) rounded edges, necessary cement mortar bedding in CM 1:3 of required thickness and jointed with grey cement and fixing with anchor fastner as per drawing / specification and / or as directed by EIC. The rate shall be inclusive of making rebates of 10x10mm for forming the grooves between treads and risers polishing by Six or more coats of polishing using different grades of Emery from 40 no (one coat) 60 no (two coats) 120 no , 220 no synthetic emery, 320 no emery, and protecting the flooring uptill handing over etc. including curing, daily moping with water & kerosene as directed for at least 15 days after final polishing or up to the satisfaction of the Architect or Engineer-in-charge etc. complete. (NO WAXING WILL BE PERMITTED). For all floors / all levels / all heights.	70.00	1187.81	Smt	83146.7
179	Providing & fixing UPVC check or non-return fullway valve(A)40mm dia.	1.00	1687.71	No	1687.71
180	Providing & fixing UPVC check or non-return fullway valve(A)25mm dia.	2.00	650.84	No	1301.68
181	Providing & fixing UPVC check or non-return fullway valve(A)15mm dia.	2.00	440.56	No	881.12
182	Providing upto floor two level precast cement concrete jali or grill 1:2:4 mix (1- Cement : 2- coarse sand : 4- graded stone aggregate 6mm nominal size) reinforced with 1.6 mm dia. Mild steel wire including roughening, cleaning, fixing and finishing in cement mortar 1:3 and curing complete.(B) 100mm thick	2.25	864.42	Smt	1944.945
183	Providing and fixing SS Sink Glossy ASIS 304 Grade x 1mm thick with over all size 610 x 460 mm & bowl size 560 x 410 x 200 with single hole for pillar tap Fixing in sandwich platform including cutting holes and making goods the same including. necessary fixtures, connections and waste pipes	2.00	2361.38	No	4722.76
184	Construction of a Drinking water & wash facility platform 700 mm wide of 18 mm thick black granite stone with 100 mm thick 1:2:4 ordinary conc. chajali & brick masonry supports with waste pipe as per the drawing and design etc. complete.	25.50	4749.69	Smt	121117.095
185	Drilling of bore hole in Alluvial Strata by direct Rotary Rig. 250mm / 300 mm dia	110.00	390.87	Rmt	42995.7
186	Supply of ERW blank pipe of approved quality at site of work confirming to IS 1239-1964 200mm internal dia for housing 5.82 mm thick	60.00	2431.07	Rmt	145864.2
187	E.R.W Plain end medium duty pipe conforming to IS 1239/1964with latest amendment in random length of 4 to 7 mtr. Size 200mm dia. (minium 5.82mm thickness)	50.00	2001.82	Rmt	100091
188	Providing and supplying ISI make G.I pipe with coupling of following class "B" including all taxes, insurance, transportation, freight charge, octroi, inspection charge, loading, unloading, covenyance to deppt. Storess stacking etc. completed 65mm dia. IS 1239/1990.	110.00	567.62	Rmt	62438.2
189	Supply of gravel having size 4mm to 6 mm as directed on site	13.00	2049.29	Cmt	26640.77
190	Supplying submersible pump set for bore of 150 mm. dia. or more having 3 phase motor capacity not more than 15 H.P discharge capacity having (a) (10 Stage) 600 to 500 L.P.M. discharge at the head 70 to 85 mtrs. suitable for 65/5 mm dia. delivery pipe Cat II	1.00	37130.63	No	37130.63

Item No.	Description Of Item	Quantity	Rate	Unit	Amount
191	Supplying and erecting approved make motor control cubical panel [star delta] made from 16 G. CRCA sheet duly epoxy power paint inside and outside with hinged doors and locking with suitable size of ON - OFF isolator (AC 3 /23 duty) main fuses. Digital volt and current meter (in a single unit) with micro controller based control unit and current sensing single phasing preventer electronic overload protection, over voltage (programmable) protection and under voltage (programmable) protection, prod less dry run protection programming facility for setting of all parameter like overload current. high voltage limit, low voltage limit, dry run limit with digital indication on seven segment LED display for any fault like over load, high voltage, low voltage, dry running single crimped, electronic star delta timer , feather touch start/ stop push buttons to be erected on angle iron frame. Grouted on the wall the contractors will be of L & T , Siemens, BCH make only) (D) S/D up to 15 HP	1.00	16053.95	No	16053.95
192	Providing and erecting ISI marked PVC insulated PVC Shethed Flat flexible Submersible copper cable approved make of following Size. (f) 3 Core x 4 Sq. mm.	350.00	146.45	Rmt	51257.5
193	Providing & fixing Fire Extinguisher(ISI) ABC Type-Stored Pressure Type,6KG-SR NO.111168,111046- wall Mounted as per Bureau of Indian Standard approved IS code No.	10.00	4242.00	No	42420
194	Providing and fixing Pre cast exposed finished Cement Concrete block size 0.49m x 0.21m x 0.23m at wall as per architectural design, made in reach concrete mix of 1:2:4/as per mix design requirement/as approved, shall be constructed in cement mortar 1:3 (1 cement : 3 coarse sand) with providing horizontal MS 6mm dia reinforcement at every alternate layer, reinforcement should be anchored in adjoining surface with chemical like HY 150 or equivalent and finishing in grey and white cement sand mortar 1:1 and curing etc. complete, as directed by EIC. The surface of the precast block shall be fair finished/ exposed finished with 10x10mm groove in between the blocks. At all heights all places ,all floors etc all complete as per drawing, specifications, instruction & directions of the Engineer-in-charge. Payment shall be done as per drawing/laid at site, Reinforcement shall be paid in relevant item.	295.00	244.82	No	72221.9
195	Clearing and grubbing road Land including uprooting rank vegetation grass bushes shrubs sapling and trees girth up to 300mm removal of stumps of trees cut earlier and disposal of unserviceable materials (A) By MACHENICAL means In area of light jungle	1.00	86555.97	Hectare	86555.97
196	Point wiring for Light / Bell with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires up to 10 mtr length , in below type of pipe erected with 6A Modular type switch / bell push & accessories and earth continuity of following type, erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured/metallic/white front plate modules erected on / in wall / ceiling as per pipe erected, with necessary Lamp holder/ceiling rose / H.D.Connector as directed.(j) in existing pipe erected concealed in wall/ceiling complete Cat. III	116.00	410.06	Pt.	47566.96
197	Point wiring for FAN with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (Green) both are of .ISI marked 1.1 KV Grade FRLS PVC insulated multi strand copper wires up to 10 mtr length, in below type of pipe erected with 6A Modular type switch and hum free EME step type electronic fan regulator mounted and accessories with earth continuity of following type erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured/metallic/white front plate modules erected on / in wall / ceiling as per pipe erected. with necessary ceiling rose / H.D.Connector as directed.(j) in existing pipe erected concealed in wall/ceiling complete,Cat. III	72.00	556.51	Pt.	40068.72

Item No.	Description Of Item	Quantity	Rate	Unit	Amount
198	Point wiring for Individual Plug with & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires up to 10 mtr length, in below type of pipe erected complete with Modular type switch & 5 pin Plug erected on PVC / Metallic/Wooden box covered with appropriate front plate modules erected on / in wall / ceiling as per pipe erected with following type of accessories.[I] For 6A Plug and 6 a switch with 2-1.5 sq.mm Cu. Wire from nearby switchboard/mcb db board(j) in existing pipe erected concealed in wall/ceiling complete,Cat. III	42.00	425.21	Pt.	17858.82
199	Point wiring for Individual Plug with & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires up to 10 mtr length, in below type of pipe erected complete with Modular type switch & 5 pin Plug erected on PVC / Metallic/Wooden box covered with appropriate front plate modules erected on / in wall / ceiling as per pipe erected with following type of accessories.[II] For 16A Plug and 16 amp switch with 2-2.5 sq.mm Cu. Wire from mcb db board.(j) in existing pipe erected concealed in wall/ceiling complete,Cat. III	18.00	567.62	Pt.	10217.16
200	Point wiring for on board Looped Plug with 6A Modular type switch & 5 pin socket erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate modules erected on / in wall / ceiling with following type accessoriesCat. III	54.00	257.55	Pt.	13907.7
201	Point wiring for Two Way Controlled Light Point with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (green) both are of .ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires erected in below type of pipe with 6A Modular type switches and following type of accessories erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate modules erected on / in wall / ceiling as per pipe erected. with necessary batten/angle holder or ceiling rose or H.D.Connector as directed.(j) in existing pipe erected concealed in wall/ceiling complete Cat.III	4.00	514.09	Pt.	2056.36
202	Providing & erecting following type of Modular Type Accessories with necessary connection. As desired by Engineer In charge (2) 16 Amp. SP one way switch	4.00	180.79	No	723.16
203	Providing and erecting ISI mark embossed Medium class RIGID PVC PIPES (F.R.L.S.) of following size complete to be erected on/in wall or ceiling erected with necessary PVC fittings & Junction boxes fixed with adhesive solution & Clamps with following dia of pipes, in approved manner as directed (c) 32 mm	100.00	54.54	Rmt	5454
204	providing and erecting Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected in / on wall / ceiling with 2.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size,(E) in existing pipe,(h) 4 wire 6 sq. mm	150.00	240.38	Rmt	36057
205	providing and erecting Mains with ISI marked, 1.5KV grade electrolyte multi stranded, annealed copper conductor with heat resistant PVC insulated conforms to IS 694, IEC - 227 erected in existing pipe of following size (Specifically for control panel, relays, power switchgears, motor starters & control wiring) with required size of copper lugs, nuts and bolts if required.(d) One wire 4.00 sq. mm	10.00	37.37	Rmt	373.7
206	providing and erecting Mains with ISI marked, 1.5KV grade electrolyte multi stranded, annealed copper conductor with heat resistant PVC insulated conforms to IS 694, IEC - 227 erected in existing pipe of following size (Specifically for control panel, relays, power switchgears, motor starters & control wiring) with required size of copper lugs, nuts and bolts if required.(f) One wire 10.00 sq. mm	10.00	91.91	Rmt	919.1

Item No.	Description Of Item	Quantity	Rate	Unit	Amount
207	providing and erecting Mains with ISI marked, 1.5KV grade electrolyte multi stranded, annealed copper conductor with heat resistant PVC insulated conforms to IS 694, IEC - 227 erected in existing pipe of following size (Specifically for control panel, relays, power switchgears, motor starters & control wiring) with required size of copper lugs, nuts and bolts if required.(g) One wire 16.00 sq. mm	10.00	142.41	Rmt	1424.1
208	providing and erecting Mains with ISI marked, 1.5KV grade electrolyte multi stranded, annealed copper conductor with heat resistant PVC insulated conforms to IS 694, IEC - 227 erected in existing pipe of following size (Specifically for control panel, relays, power switchgears, motor starters & control wiring) with required size of copper lugs, nuts and bolts if required.(h) One wire 25.00 sq. mm	5.00	236.34	Rmt	1181.7
209	Supplying and erecting LED indoor fittings with LEDs of wattage 0.2 Watt to 0.5 Watt assembled on single MCPCB, with housing used as a heat sink shall be made of thick sheet Steel conforming to IS: 513/CRCA/aluminium pressure die cast powder coated and high U.V. & corrosion resistance with diffuser housed in aluminium casted body with company mark/name 160V to 270V, Power Factor more than 0.9, THD < 15 %, CCT 3000 K to 6500K, Luminaire efficacy > 85 lumens/watt, LED driver efficiency > 85 % (fitting required LM-79 & LM-80 Certificates)(NOTE: Below description have shown ranges of Wattage capacity of LED fittings. The Engineer incharge may select any wattage capacity between the ranges shown.)(A) Square/ Circular shaped Surface/ Recessed Mount Downlight with provision for spring loaded mounting clips complete. IP20, (ii) 15 watts, Surge-2 KV, Cat-III	30.00	427.23	no	12816.9
210	Supplying and erecting LED street light / Flood light fittings with High power White LEDs wattage of 3 Watt and above assembled on single MCPCB, efficiency more than 130 lm/w and corrosion free High pressure die cast aluminum housing with smooth finish powder coated and heat sink extruded aluminium with diffuser and Polycarbonate optics/ lenses, with toughened glass with company mark/name engraved or embossed 160 to 270 V, Power Factor more than 0.95, THD < 10 %, CCT 3000 K to 5700K, Uniformity ratio > 0.45, Luminaire efficacy > 100 lumens/watt. LED driver efficiency > 85 %.(fittings required LM-79 & LM-80 certificates)(NOTE: Below description have shown ranges of Wattage capacity of LED fittings. The Engineer incharge may select any wattage capacity between the ranges shown.)(C) Post Top Lantern LED fitting comprises of finish cast aluminum spigot and spun aluminum canopy fixed with opal polycarbonate, pipe arrangement for vertical mounting driver and accessories wired upto terminal block. IP 65 (ii) 40W	6.00	10036.37	No	60218.22
211	Providing & erecting 415V MCB Four Pole Switch for Lighting Load (B curve) having 10KA breaking capacity & confirms to IS :8828 in existing box having following capacity. (a) 6 to 32 Amp. Cat.III	6.00	578.73	No	3472.38

Item No.	Description Of Item	Quantity	Rate	Unit	Amount
212	Supply, Installation, Testing and Commissioning of suitable sweep, BEE 5 Star rated, Ceiling fan with Brush Less Direct Current (BLDC) permanent ferrite magnet Motor, class of insulation: B, Rust free 3 nos. Aluminium blades, 2 nos. canopies, shackle kit with earthing provision, copper winding, Power factor not < 0.9, Service Value (CMM/W) minimum 6.85, Air delivery minimum 215 CMM, 350 RPM, 230v (tolerance as per IS : 374-2019), THD < 10%, with remote unit for Speed Control and all remaining accessories including safety pin, nut bolts, washers, temperature rise = 75 degree C (Max.), suitable for 140 to 285 Voltage and rectifier circuit with surge, over current and overload protection, 50 Hz, Single phase AC Supply, earthing etc. Complete as required.[Make shall be approved by Engineer in Charge] (B) 1200 mm Sweep (48")	72.00	2885.57	No	207761.04
213	Supplying & erecting approved make low noise decorative exhaust fan having square frame ABS body with inbuilt lowers & square frame. 200mm with 1350RPM Cat.II	2.00	1703.87	No	3407.74
214	Supply of approved make FRP Pole having following specifications: FRP Light Pole made by CNC filament winding machine using thermoset resin polyester/epoxy resin system) having minimum 62% glass content. The pole should be in one piece and tapered round in shape, having smooth finish and should be totally free from corrosion as well as non conductive & shock proof Pole should be provided with FRP Anchor Base and it should be heavy duty, or MS Material duly painted with Epoxy paint. Pole should be flame retardant as per IS 6746. Resin used shall be UV resistance and pigmented. A highly weather resistant polyurethane coating shall be applied to the pole after applying suitable primer system that ensures proper adhesion of the paint. Minimum coating thickness shall be 80 to 100 micron. Deflection of the pole shall not exceed more than 10% of the length of pole for the given load. Pole should be generally made as per the dimensional data, performance criteria and some interchangeability features of poles as per standard ANSI C 136.20 latest version or ASTM D 4923/01 including cable termination box with necessary accessories. The size of pole and type of installation with foundation as per manufacturer details and site requirement are as below. (2) 'A' Class frp/grp pole suitable for direct grouting[D] Overall Length of 6.0 meter, Average thickness : 5mm, Top/Bottom Outside Dia. 76/176mm +/-2. Weight of Pole 19.0 Kg approx. (Burial depth 1000mm)	15.00	10036.37	No	150545.55
215	Providing and erecting street light pole bracket comprising main B Class GI pipe of 4.2 cm/require outside dia. complete with suitable B Class G.I sleeve tubing of approx. 45cms.length and suitable for 76.5 mm / 80mm. / require size pole top having sufficient fasteners for fixing the brackets and having spread of 1 mtr. length with suitable rise as per site condition & suitable welded stiffener reducer and nipple with check nut complete painted with one coat of Red oxide / PU base primer and two coats of Aluminium / PU paint. paint with following nos of arms. [A] Single Arm Bracket 1 Mtr	15.00	614.08	No	9211.2
216	Providing & erecting open well horizontal C pump set with cast iron body, complete for three phase submersible motor having[D] For 5 HP 3 phase open well horizontal mono block pump set suitable for 1350 LPM to 310 LPM @ 10 to 42 Mtr head suitable for 50/65 mm dia delivery pipe.Cat.II	2.00	18746.61	No	37493.22
217	SITC of Vertical Air Termination Solid aluminium with Base- 10 mm dia and 1000 mm long. Air Termination Base tested for conditioning, Ageing Test & Lightning impulse current withstand test: 100 kA of 10/350µs waveform in an accredited Third party laboratory as per 6.3 & 6.4 of IEC 62561-1 2017 protocol with MAST 34mm dia 3000 mm long- Cold Galvanized	1.00	9416.23	No	9416.23

Item No.	Description Of Item	Quantity	Rate	Unit	Amount
218	Supply, Installation and Testing of: Foot Valve (Ball type or Swing type) with necessary pipe fittings, hardware and consumables. MOC:-Body: Cast Iron (With Flange Ends). Standard: ISI Marked. UOM:Price Per Each No. Size: 150 mm	2.00	13026.69	No	26053.38
219	Decorative wall painting with designing painting at place with all necessary materials	20.00	678.04	Smt	13560.8
220	Fire NOC Consulting Charges & Certificate process fee.. Etc Comp.	1.00	29997.00	job	29997
221	Fire NOC Approved Structure drawing charges	1.00	19998.00	job	19998
222	Providing and fixing 600mm x 450mm bevelled edge mirror of superior glass mounted on 6mm thick A.C. sheet or plywood sheet and fixing to wood enpluge with C.P. brass screws and washers.	5.00	859.41	No	4297.05
223	Providing and fixing C.P. brass towel rail complete with C.P.brass brackets fixed to wooden plugs with C.P. brass screws.(B) 600mm x 20mm size.	5.00	616.42	No	3082.1
224	Providing and fixing Soap Tray	5.00	101.00	No	505
				Total Rs. :	38951128.9
				SAY :	38951100.00

I/We am/are willing to carry out the work at.....% above/below percent
(Should be written in figures and words) of the estimated rate mentioned above.
Amount of my /our tender works out as under.

Estimated amount put to tender
Deduct..... % below
Net
In words

Estimated amount put to tender
Deduct..... % Above
Net
In words