

BILL OF QUANTITY

**Name Of Scheme:-CONSTRUCTION OF STPD MATERIAL RECOVERY FACILITY (MRF) AT
NAGAR PANCHAYAT , KUDRA**

Estimated Cost :-1,57,95,610.50, EMD Amount:- 3,02,300.00

Cost of BOQ:- 1,51,14,896.00 Time of Completion - 6 Months

Dry waste receiving platform

Serail No.	SOR	Particular	Quantity	Unit	Rate	Amount
1	2.29.1	Surface Dressing of the ground including removing vegetation and in equalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50m and lift upto 1.5m	1.1	/100sqm	1355.4	1491.00
2	2.2.1	Earthwork 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 top most layer with power roller of minimum 8 tonnes and dressing up in embankments for roads, floodbanks ,marginal banks and guide banks or filling up ground depressions. lead upto 50 m and lift upto 1.5 m.	44	Cum	386.6	17010.00
3	2.9.1	Excavation work in foundation trenches or drains not exceeding 1.5 m in width or 10 sq.m on plan including dressing of sides and ramming of bottoms lift upto 1.5m, including getting cut the excavated soil and disposal of surplus excavated soils as directed, within a lead of 50 m	33	Cum	568 568.6	18764.00
4	4.1.2	Providing and laying in position Cement Concrete of specific grade, excluding the cost of shuttering & centering. All works up to plinth level.Cement concrete grade M-10 (Nominal Mix) with 20 mm maximum size of stone aggregate)	11	Cum	4420.80	48620.00 48629.00
5	5.33A.2.2	Providing and laying in position machine batched ,machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete structural elements, excluding the cost of centring, shuttering finishing and reinforcement, M-20 grde reinforced cement concrete Cement concrete grade M-20 (Nominal Mix) with 20 mm maximum size of stone aggregate.	14.4	Cum	5677.2	81752.00

6	5.22.7C	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. IS : 13920; IS 456 & SP : 34 etc. complete. Thermo-Mechanically Treated bars. (Fe 500 D or more) In Slabs Assuming steel @ 60 kg/cum Total Reinforcements in RCC	1152	Kg	90.8	104602.00
7	4.3.1	Centering and shuttering including strutting, propping stretching etc. complete for and removal of form work by sheet plate or ply wood shuttering for : Dry waste receiving platform Total Formwork in Slab	6.8	Sq.mt.	211.6	1435.00
		Add 5.36% extra GST = (273674@5.36%)				14669
Reject waste platform						
8	2.29.1	Surface Dressing of the ground including removing vegetation and in equalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50m and lift upto 1.5m	0.8	/100sqm	1355.4	1084.00
9	2.2.1	Earthwork 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 top most layer with power roller of minimum 8 tonnes and dressing up in embankments for roads, floodbanks ,marginal banks and guide banks or filling up ground depressions. lead upto 50 m and lift upto 1.5 m. All kinds of soil	32	Cu.mt.	386.6	12371.00
10	2.9.1	Excavation work in foundation trenches or drains not exceeding 1.5 m in width or 10 sq.m on plan including dressing of sides and ramming of bottoms lift upto 1.5m, including getting cut the excavated soil and disposal of surplus excavated soils as directed, within a lead of 50 m .Moorum/Hard copra	24	Cu.mt.	568.6	13646.00
11	4.1.2	Providing and laying in position cement concrete of specified grade exluding the cost of centring and shuttering- all work upto plinth level. Cement concrete grade M-20 (Nominal Mix) with 20 mm maximum size of stone aggregate)	8	Cu.mt.	4420.8	35360.00 35366.00
12	5.33A.2.2	Providing and laying in position machine batched ,machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete structural elements, excluding the cost of centring, shuttering finishing and reinforcement, M-20 grde reinforced cement concrete Cement concrete grade M-20 (Nominal Mix) with 20 mm maximum size of stone aggregate.	9.6	Cu.mt.	5677.2	54501.00

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13	5.22.7C	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. IS : 13920; IS 456 & SP : 34) etc. complete. Thermo-Mechanically Treated bars. (Fe 500 D or more) In Slabs Assuming steel @ 80-kg/cum	768	Kg	90.8	69734.00
14	4.3.1	Centering and shuttering including strutting, propping stretching etc. complete for and removal of form work by sheet plate or ply wood shuttering for :	5.6	Sq.mt.	211.1	1182.00
		Add 5.36% extra GST = (187878 @ 5.36%)				10070.00
Processing Shed (Covered)						
15	2.29.1	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50 m and lift upto 1.5 m	3	/100 sqm	1355.4	4066.00
16	2.2.1	Earthwork 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 top most layer with power roller of minimum 8 tonnes and dressing up in embankments for roads, floodbanks , marginal banks and guide banks or filling up ground depressions. lead upto 50 m and lift upto 1.5 m All kinds of Soil	136.08	Cu.mt.	386.6	52609.00
17	2.26	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth : consolidating each deposited layer by ramming and watering lead	107.12	Cu.mt.	123.5	13229.00
18	2.9	Excavation work in foundation trenches or drains not exceeding 1.5 m in width or 10 sq.m on plan including dressing of sides and ramming of bottoms lift upto 1.5m, including getting cut the excavated soil and disposal of surplus excavated soils as directed, within a lead of 50 m Moorum/Hard Copra	76	cu.mt.	568.6	43214.00
19	4.1.5	Providing and laying in position Cement Concrete of specific grade, excluding the cost of shuttering & centering. All works up to plinth level. Cement concrete grade M-20 (Nominal Mix) with 20 mm maximum size of stone aggregate)	4.54	Cu.mt.	4420	20049.00 20070.00

20	5.33A.2.2	Providing and laying in position machine batched ,machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete structural elements, excluding the cost of centring, shuttering finishing and reinforcement, M-20 grde reinforced cement concrete Cement concrete grade M-20 (Nominal Mix) with 20 mm maximum size of stone aggregate.	12.66	Cu.mt.	5677.2	71851.00
21	5.33A.2.1	Providing and laying in position machine batched,machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete structural elements, excluding the cost of centring, shuttering finishing and reinforcement, M-20 grde reinforced cement concrete Cement concrete grade M-20 (Nominal	11.76	Cu.mt.	5293.5	62252.00
22	5.33.A.2.2	Providing and laying in position machine batched,machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete structural elements, excluding the cost of centring, shuttering finishing and reinforcement, M-20 grde reinforced cement concrete	18.72	Cu.mt.	5677.2	106277.00
23	5.33.A.2.2	Providing and laying in position machine batched ,machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete structural elements, excluding the cost of centring, shuttering finishing and reinforcement, M-20 grde reinforced cement concrete Cement concrete grade M-20 (Nominal Mix) with 20 mm maximum size of stone aggregate	38	Cu.mt.	5677.2	215733.60
24	5.11.7C	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding upto floor level including cost of binding wire, wastage and over laps upto 12mm horizontal/ inclined position of reinforcement bars in slab and beams, plinth, chajjas, lintels, upto 4.5m vertical length of reinforcement in wall columns (over laps shall be provided as per requirement of IS : 13920; IS 456 & SP : 34) etc. complete Thermo-Mechanically Treated bars (Fe	6592.8	Kg	90.8	598626.24
25	6.1.14B	Brick work with bricks of class designation 100B in foundations and plinth ,Cement mortar 1:6 (1 cement: 6 coarse sand)	4.15	Cu.mt.	4540.3	18851.00

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32	143 / 12.7.1.1	Providing and fixing plain GS sheet gutter with iron brackets 40x3 mm size, bolts nuts and washers etc. including making necessary connections with rain water pipes complete. providing and fixing 16cm wide 45 cm overall semi circular plain GS sheet gutter with iron brackets 40x3mm size bolts nuts and washers etc. including making necessary connections with rain water pipes complete. 0.80 mm thick with zinc coating not less than 275 grams per square meter	78	rmt	577.4	45037
33	152/12.51	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. (i) Single socketed pipes..	58.1	rmt	201	11678
34	13.19	18mm cement plaster in two coat under layer 12mm thick cement plaster 1:5 (1 cement: 5 coarse sand) and a top layer 6mm thick cement plaster 1:3(1 cement: 3 coarse sand finished rough with sponge	192	Sq.mt.	218.2	41894
35	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 @ 1.25 ltr/ 10 sq.m. over and including one coat of special primer applied @ 0.75 ltr / 10 sq.m.	192	Sq.mt.	117.3	22522
36	4.3.1	Centering and shuttering including strutting, propping stretching etc. complete for and removal of form work by sheet plate or ply wood shuttering for :Foundations, footings, bases of columns, etc, for mass concrete.	33.6	Sq.mt.	211.1	7093
37	5.9.5	Centering and shuttering including strutting, propping stretching etc. complete for and removal of form work by sheet plate or ply wood shuttering for :Lintels, Beams, Plinth Beams, bressumers, girders & cantilevers	116.8	Sq.mt.	437.5	51100
38	5.9.6	Centering and shuttering including strutting, propping stretching etc. complete for and removal of form work by sheet plate or ply wood shuttering for :Columns, Pillars, Piers, Abutments, Posts, Struts	98	Sq.mt.	494.4	48451
		Add 5.36% extra GST = (3667699.43 @5.36%)				196589

Toilet Facility at SWM Plant						
40	2.29.1	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50 m and lift upto 1.5 m	0.06	/100 sqm	1355.4	81
41	2.2.1	Earthwork 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 top most layer with power roller of minimum 8 tonnes and dressing up in embankments for roads, floodbanks ,marginal banks and guide banks or filling up ground depressions. lead upto 50 m and lift upto 1.5 m.	21.03	Cu.mt.	386.6	8128
42	2.9.1	Excavation work in foundation trenches or drains not exceeding 1.5 m in width or 10 sq.m on plan including dressing of sides and ramming of bottoms lift upto 1.5m, including getting cut the excavated soil and disposal of surplus excavated soils as directed, within a lead of 50 m	0.9	Cu.mt.	568.6	512
43	2.26	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth : consolidating each deposited layer by ramming and watering lead	18.96	Cu.mt.	123.5	2342
44	4.1.2	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering- all work upto plinth level. Cement concrete grade M-20 (Nominal Mix) with 20 mm maximum size of stone aggregate)	0.47	Cu.mt.	4420	2077
45	5.33A.2.2	Providing and laying in position machine batched ,machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete structural elements, excluding the cost of centring, shuttering finishing and reinforcement, M-20 grde reinforced cement concrete Cement concrete grade M-20 (Nominal Mix) with 20 mm maximum size of stone aggregate.	2.08	cu.mt.	5677.2	11809
46	5.33.A.2.1	Providing and laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete structural elements, excluding the cost of centring, shuttering finishing and reinforcement, M-20 grde reinforced cement concrete Cement concrete grade M-20 (Nominal Mix) with 20 mm maximum size of stone aggregate.	1.22	cu.mt.	5293.5	6479

47	5.33.A.2.2	Providing and laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete structural elements, excluding the cost of centring, shuttering finishing and reinforcement, M-20 grade reinforced cement concrete	1.22	Cu.mt.	5677.2	6926
48	5.33A.2.2	Providing and laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete structural elements, excluding the cost of centring, shuttering finishing and reinforcement, M-20 grade reinforced cement concrete	1.26	Cu.mt.	5677.2	7153
49	5.22.7C	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. IS : 13920; IS 456 & SP : 34) etc. complete. Thermo Mechanically Treated bars	545	kg	90800	49486
50	6.1.14B	Brick work with bricks of class designation 100B in foundations and plinth , Cement mortar 1:6 (1 cement: 6 coarse sand)	0.2	Cu.mt.	4540.3	908
51	6.12.12C	Brick work with fly ash bricks as per IS 12894(2002) & IS 3495 in foundations and plinth , Cement mortar 1 : 4 (1 cement: 4 coarse sand)	4.85	cu.mt.	5116.3	24788
52	6.18.4B+ 6.1.8B	Half Brick masonry with open bhatta of class designation 25 in super structure above plinth level upto floor 2 level including the cost of scaffolding Cement Mortar 1 : 4 (1 cement : 4 coarse sand)	6	Sq.mt.	654.7	3928



53	9.124	Providing and fixing factory made 30mm thick door shutter made of solid PVC foam profile. The styles & rails shall be of size 75mm x 30 mm having wall thickness 5mm. The styles, top & bottom rails shall have one side wall thickness of 15mm integrally extruded on the hinge side of the profile for better screw holding power. The styles and rails shall be reinforced with M.S. tubes of size 33mm x 17mm x 1mm, painted with primer, all four corners of reinforcement to be welded or sealed. Solid PVC extruded bedding (pushfit type) will be set inside the styles and the rails with a cavity, to receive single piece extruded 5mm PVC sheet as panel. The styles and rails will be mitred cut and joint with the help of PVC solvent cement & self driven self tapping screws. Single piece extruded solid PVC lock rail of size 100mm x 30mm with wall thickness 5mm & 15mm integrally extruded in the middle of the lock rail & fixed with styles with the help of PVC solvent cement & self driven self tapping screws of size 100 mm x 8mm complete as per manufacturer's specifications and direction of Engineer-in-charge.	3.78	Sq.mt.	2898.9	10958
54	10.13+10.13C	providing and fixing steel beading of approved shape and section with screws instead of glazing clips and metal sash putty in steel doors, windows, Ventilators and composite units.	0.68	Sq.mt.	3444.2	2325
55	11.21.1.	Providing and fixing 10mm thick acid and / or alkali resistant tiles of approved make and colour using acid and / or alkali resisting mortar bedding, and joints filled with acid and/or alkali resisting cement as per IS : 4457, complete as per the direction of Engineer-in-Charge Acid and alkali resistant tile.	25.58	Sq.mt.	1295.7	33144
56	13.11.2	12 mm cement plaster of mix 1:4 (1 cement: 4 fine sand)	43.68	Sq.mt.	152.9	6679
57	13.19	18mm cement plaster in two coat under layer 12mm thick cement plaster 1:5 (1 cement: 5 coarse sand) and a top layer 6mm thick cement plaster 1:3 (1 cement: 3 coarse sand) finished rough with sponge	29.93	Sq.mt.	218.2	6530
58	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 ltr/10 sqm over and including one coat of special primer applied @ 0.75 ltr /10 sqm.	74.81	Sq.mt.	117.3	8776
59	4.3.1	Centering and shuttering including strutting, propping stretching etc. complete for and removal of form work by sheet plate or ply wood shuttering for : Foundations, footings, bases of columns, etc, for mass concrete.	14.16	Sq.mt.	211.1	2989
60	5.9.3	Suspended floors, roofs, landings, balconies and access platform.	6.36	Sq.mt.	437.5	2783

61	5.9.5	Lintels, Beams, Plinth Beams, bressumers, girders & cantilevers	14.4	Sq.mt.	437.5	6300
62	5.9.6	Columns, Pillars, Piers, Abutments, Posts, Struts	12	Sq.mt.	494.4	5933
63	18.48	Providing and placing on terrace (atall floor levels) polyethylene water storagetank, ISI : 12701 marked,with cover and suitable locking arrangement and making necessary holes for inlet,outlet and over flow pipes but without fittings and the base support for tank. (Water Storage Tank On Roof Slab)	500	Liter	9.7	4850
64	17.3.1	Providing and fixing white vitreous china pedestal type water closet (European type)with seat and lid, 10 litre low level white vitreous china flushing cistern &C.P. flush bend with fittings & C.I .brackets, 40mm flush bend, over flow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required :	1	Each	5504.3	5504
65	17.4.1	Providing and fixing white vitreous china flatback or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required :	2	Each	3723.2	7446
66	17.25.6	Providing and fixing white vitreous china wash basin including making all connections but excluding the cost of fittings : fittings : Surgeon type wash basin of size 660x460mm.	1	Each	1651.3	1651
Total Cost = 23485.00 For 2 nos. of toilet block = 460970						230485
Add 5.36% extra GST = (460970.0 @5.36%)						24708
Filling Earth work						
67	2.25(A)	P/v Earth work in filling do. do all .comp. job	1281.99	cu.mt.	411.7	527795
Add 5.36% extra GST = (527795.0 @5.36%)						28290
Septic Tank						
68	2.29.1	Surface Dressing of the ground including removing vegetation and in equalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50m and lift upto 1.5m	25.12	/100 sqm	1355.4	34048
69	2.9.1	Excavation work in foundation trenches or drains not exceeding 1.5 m in width or 10 sq.m on plan including dressing of sides and ramming of bottoms lift upto 1,5m, including getting cut the excavated soil and disposal of surplus excavated sois as directed, within a lead of 50 m .	2.36	568.6 cu.mt.	cu.mt 568.6	1340

70	4.1.2	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering-all work upto plinth level.Cement concrete grade M-20 (Nominal Mix) with 20 mm maximum size of stone aggregate)	0.79	Cu.mt.	4420	3497
71	5.33.A.2.2	Providing and laying in position machine batched ,machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete structural elements, excluding the cost of centring, shuttering finishing and reinforcement, M-20 grde reinforced cement concrete Cement concrete grade M-20 (Nominal Mix) with 20 mm maximum size of stone aggregate.	3.74	Cu.mt.	5677.2	21233
72	5.22.7C	Reinforcement for R.C.C.work including straightening, cutting, bending, placing in position and binding all complete.IS : 13920; IS 456 & SP : 34) etc. complete.Thermo-Mechanically Treated bars. (Fe 500 D or more)In Slabs Assuming steel @ 80 kg/cum	224.4	Kg	90.8	20376
73	6.1.12C	Brick work with fly ash bricks as per IS12894(2002)&IS3495in foundations and plinth , Cement mortar 1:4 (1 cement: 4 coarse sand)	5.69	cum	5116.3	29112
74	6.14.4B+ 6.1.9B	Half Brick masonry with open bhatta of class designation 25 in super structure above plinth level upto floor 2 level including the cost of scaffolding Cement Mortar 1 : 4 (1 cement : 4 coarse sand)	1.4	Sqm	654.7	917
75	13.11.2	12 mm cement plaster of mix 1:4 (1 cement: 4 fine sand)	18.4	Sq.mt.	152.9	2813
76	5.9.3	Suspended floors, roofs, landings, balconies and access platform.	8.64	Sq.mt.	437.5	3780
77	20.1(MP)	RAINWATER HARVESTING, RECYCLE AND REUSE OF WASTE WATER Excavation for 110mm	6	rm	129	774
	Add 5.36% extra GST = (117890.0 @5.36%)					6319
	Office Building					
78	2.29.1	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50 m and lift upto 1.5 m	0.2	/100 sqm	1355.21	295

79	2.2.1	Earthwork 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 top most layer with power roller of minimum 8 tonnes and dressing up in embankments for roads, floodbanks ,marginal banks and guide banks or filling up ground depressions. lead upto 50 m and lift upto 1.5 m.	42.42	Cu.mt.	386.6	16398
80	2.9.1	Excavation work in foundation trenches or drains not exceeding 1.5 m in width or 10 sq.m on plan including dressing of sides and ramming of bottoms lift upto 1,5m, including getting cut the excavated soil and disposal of surplus excavated soils as directed within a lead of 50 m	9.92	Cu.mt.	568.6	5642
81	2.26	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth : consolidating each deposited layer by ramming and watering lead	36.87	Cu.mt.	123.5	4553
82	4.1.2	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering-all work upto plinth level.Cement concrete grade M-20 (Nominal Mix) with 20 mm maximum size of stone aggregate)	0.94	cu.mt.	4420	4144
83	5.33.A.2.2	Providing and laying in position machine batched ,machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete structural elements, excluding the cost of centring, shuttering finishing and reinforcement, M-20 grde reinforced cement concrete Cement concrete grade M-20 (Nominal Mix) with 20 mm maximum size of stone aggregate.	3.06	Cu.mt.	5677.2	17355
84	5.33.A.2.1	Providing and laying in position machine batched,machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete structural elements, excluding the cost of centring, shuttering finishing and reinforcement, M-20 grde reinforced cement concrete Cement concrete grãde M-20 (Nominal Mix) with 20 mm maximum size of stone aggregate.	1.94	Cu.mt.	5293.5	10291
85	5.33A.2.2	Providing and laying in position machine batched,machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete structural elements, excluding the cost of centring, shuttering finishing and reinforcement, M-20 grde reinforced cement concrete	3.04	Cu.mt.	5677.2	17270

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86	5.33.A.2.2	Providing and laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete structural elements, excluding the cost of centring, shuttering finishing and reinforcement, M-20 grade reinforced cement concrete	7.19	Cu.mt.	5677.2	40791
87	5.22.7C	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. IS : 13920; IS 456 & SP : 34) etc. complete. 12mm horizontal/ inclined position of reinforcement bars in slab and beams, plinth, chajjas, lintels, upto 4.5m vertical length of reinforcement in wall columns (over laps shall be provided as per requirement of IS : 13920; IS 456 & SP : 34) etc. complete. Thermo-Mechanically Treated bars. (Fe 500 D or more)	1683.66	Kg	90.8	152876
88	6.1.14B	Brick work with bricks of class designation 100B in foundations and plinth , Cement mortar 1:6 (1 cement: 6 coarse sand)	0.44	Cu.mt.	4540.3	1980
89	6.1.12C	Brick work with fly ash bricks as per IS 12894(2002)&IS 3495 in foundations and plinth , Cement mortar 1:4 (1 cement: 4 coarse sand)	10.19	cu.mt.	5116.3	52130
90	6.18.4B+6.18B	Half Brick masonry with open bhatta of class designation 25 in super structure above plinth level upto floor 2 level including the cost of scaffolding	8.95	Sq.mt.	654.7	5860
91	9.1.2	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). sal wood	0.16	cu.mt.	95670.7	14982
92	9.7.1	Providing and fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25 mm to 40 mm thick:	7.2	Sq.mt.	2569	18501
93	10.13	providing and fixing steel beading of approved shape and section with screws in stead of glazing clips and metal. Sash putty in steel doors, windows, Ventilators and composite units.	2.48	Sq.mt.	3038.9	7521

94	11.21.1.1	Providing and fixing 10 mm thick acid and / or alkali resistant tiles of approved make and colour using acid and / or alkali resisting mortar bedding, and joints filled with acid and / or alkali resisting cement as per IS : 4457, complete as per the direction of Engineer-in-Charge. In flooring on a bed of 15 mm thick mortar 1:4 (1 acid proof cement : 4 coarse sand)	50.56	Sq.mt.	1295.7	65511
95	12.79.2.2	(S:4985 including jointing with seal ring conforming to IS: 5382 leaving 10 mm gap for thermal expansion. 110 mm pipe Rain Water Pipe Roof To Ground Level Providing and fixing on wall face unplasticised -PVC molded fittings/accessories for unplasticised PVC rain water pipes	6.6	rmt	374.6	2472
96	9.1.1	12 mm cement plaster of mix 1:4 (1 cement: 4 fine sand)	96.06	Sq.mt.	152.9	14688
97	13.12.2	15 mm cement plaster on rough side of single or half brick wall of mix 1:4 (1 cement: 4 fine sand)	62.27	Sq.mt.	176.4	10984
98	1379.1	Finishing walls with water proofing cement paint of approved brand and manufacture and of required shade to give an even shade	62.77	Sq.mt.	81.2	5056
99	13.80A2	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.	158.33	Sq.mt.	105.4	16688
100	13.48.1	Finishing wall 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 ltr/10 sqm over and including one coat of special primer applied @ 0.75 ltr /10 sqm.	158.33	Sq.mt.	117.3	18572
101	4.3.1	Centering and shuttering including strutting, propping stretching etc. complete for and removal of form work by sheet plate or ply wood shuttering for :	27.6	Sq.mt.	211.1	5826
102	5.9.3	Suspended floors, roofs, landings, balconies and access platform.	26.19	Sq.mt.	437.5	11458
103	5.9.5	Lintels, Beams, Plinth Beams, bressumers, girders & cantilevers	30.92	Sq.mt.	437.5	8348



104	5.9.6	Columns, Pillars, Piers, Abutments, Posts, Struts	18	Sq.mt.	494.4	8899
105	18.48	Providing and placing on terrace (atall floor levels) polyethylene water storagetank, ISI : 12701 marked,with cover and suitable locking arrangement and making necessary holes for inlet,outlet and over flow pipes but without fittings and the base support for tank.	1000	Liter	9.7	9700
106	17.3.1	Providing and fixing white vitreous china pedestal type water closet (European type)with seat and lid, 10 litre low level white vitreous china flushing cistern &C.P. flush bend with fittings &C.I.brackets, 40mm flush bend, over flow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid	1	each	5504.3	5504
107	17.4.1	Providing and fixing white vitreous china flatback or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required : One urinal basin with 5 litre white P.V.C. automatic flushing cistern	1	each	3723.2	3723
108	17.25.6	Providing and fixing white vitreous china wash basin including making all connections but excluding the cost of fittings : fittings :Surgeon type wash basin of size 660x460mm.	1	each	1651.3	1651
	Add 5.36% extra GST = (559669.0 @5.36%)					29998
110	(A) Carriage of Material					
	(i)	Sone Sand	75.57	Cum	1224.41	92529
	(ii)	Stone Chips	114.62	Cum	2228.82	255467
	(III)	Local Sand	56.81	Cum	316.15	17960
	(iv)	Bricks	32836	Thousand	1209.93	39729
	(B) Add diffrence Cost of Mateials					
	(i)	Bricks	32836	Thousand	275.54	9047
	(ii)	Cement	58.83	mt	267.59	17542
	(C) Add Seignorage Fee 10%					
	(i)	Brick	32836	Thousand	5.06	16374
	(ii)	Local Sand	56.81	Cum	14.19	806
	(iii)	Sone Sand	75.57	Cum	17.58	1329
	(iv)	Stone Chips	114.62	Cum	55.63	6376

		(A)+(B)+C				
111		Add 5.36% extra GST = (432274@5.36%)				23170
		Maanual Boring work				
112	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 for the job, all complete as per direction of Engineer -in-charge, upto 90 metre depth below ground level.				
	24.1.1.1	All types of soil - 300 mm dia.	90	Meter	486.8	43812
113	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.				
	24.3.1	100 mm nominal size dia	78	Meter	546.1	42595.8
114	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.				
	24.4.1	100 mm nominal size dia	12	Meter	573.1	6877.2
115	24.8	Gravel packing in tubewell construction in accordance with IS: 4097, including providing gravel fine/ medium/ coarse, in required grading & sizes as per actual requirement, all complete as per direction of Engineer-in-charge.	3	cum	1343.2	4029.6
116	24.12	Development of tube well in accordance with IS : 2800 (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, i/c 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.	3	hour	916.8	2750.4

117	24.13.2	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 : 150 mm dia	1	each	210.7	210.7
118	24.14.1	Providing and fixing 100 mm dia 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.	1	each	1448.4	1448.4
119	24.15.1	Providing and fixing 100 mm dia Bail plug/ Bottom plug of required dia to the bottom of pipe assembly of tubewell as per IS:2800 (part I).	1	each	228.3	228.3
120		Supplying all equipments, tools and installation of 1 HP single phase submersible motor pump set of KSB/ ISI make 2900 rpm capable of discharge 5000 LPH at 45 Mtr head with all necessary riser pipe, starter control panel, 1.25" Full way valve, 1.25" M.S clamp, 1.25" G.I Elbow, 1.25" check valve, 1.25" x 9" long G.I Nipple etc. all complete as per direction of E/I	1	Each	26446	26446
		Add 5.36% extra GST = (128398.40@5.36%)				6882
121	L.S	Rooftop Solor Power Plant (7KW)				500000 =
122	GEM Portal	Weight Bridge				850000
123	GEM Portal	Shhreder				700000
124	GEM Portal	Waste Sorting 3 Nos.				375000
125	GEM Portal	Trommel (35 mm)				1100000
126	L.S	Sign Board	1	Each	5000	5000
127	L.S	Solor Lighting				42000
128	L.S	Survilence Camera				50000
		Fire Safty Work				
129	AR mithila Chitrkala	Supply and fixing of fire extinguisher, ABC Type 4.00kg. Capacity (ISI Marked IS : 15683 & TAC approved) complete with initial charge and wall bracket, along with supply of all materials and labour for proper completion of work.	2	Each	8,100.00	16200
130	AR mithila Chitrkala	Supply and fixing of shock treatment chart (prescribed under I. E. rules) duly framed with glass and supported from back with hard board or soft board with supply of all material, labour, T&P for proper completion of work.	1	Each	235	235
131	AR mithila Chitrkala	Supply and fixing of fire bucket, round bottom made of GI sheet 9-11 litres capacity duly painted as per fire brigade design, supported on hanging bracket chained and locked, initially filled with fine river sand, water as per direction of Engineer-in-Charge.	1	Each	350	350

132	AR mithila Chitrkala	Providing and fixing carbon-di-oxide fire extinguishers trolley mounted with all accessories internal discharge tube, high pressure discharge hose, discharge nozzle, suspension bracket, ISI marked as per IS:2878 finished externally with red enamel paint and fixed to wall with brackets complete with internal charge.				
		Capacity 22.5 kg. I.S.I. Marked.	3	Each	18,907.00	56721
Electrical Work						
133	1.3.3	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS 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.				
		Group C	44	Point	1146	50424
134	1.3.1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS 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.				
		Group A	10	Point	782	7820
135	1.5	Wiring for light/ power plug with 2 X 4 sq. mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit along with 1 Nos 4 sq. mm FR PVC insulated copper conductor single core cable for loop earthing as required.	190	Meter	309	58710
136	1.7	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
137	1.7.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	270	Metre	201	54270
138	1.7.2	2X2.5 sq. mm + 1X 2.5 sq. mm earth wire	175	Metre	246	43050
139	1.7.3	2X 4 sq. mm + 1 X 4 sq. mm earth wire	38	Metre	309	11742
140	1.7.4	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	90	Metre	422	37980
141	1.7.11	4 X 6 sq. mm + 1 X 6 sq. mm earth wire	93	Metre	660	61380

142	1.24	Supplying and fixing following modula'r switch/ socket on the existing modular plate & switch box including connections but excluding modular plate.etc. as required				
143	1.24.1	5/6 amps switch	16	Each	82	1312
144	1.24.4	2 way, 5/6 amps switch	16	Each	131	2096
145	1.25	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate/,switch box including connections but excluding modular plate etc. as req u ired.	20	Each	358	7160
146	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 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as req uired.	16	Each	531	8496
147	1.33	Supplying and fixing 2 pin, 5/6 amp ceiling rose on the existing junction box/ wooden block including connection etc as required.	56	Each	64	3584
148	1.34	Supplying and fixing batten/ angle holder including connection etc. as required	36	Each	80	2880
149	1.37	Supplying and fixing Ding-Dong call bell suitable for single phase, 230 volts complete as required.	2	Each	240	480
150	1.27	Supplying and fixing following size/ modules, GI box along with modular base and cover plate for modular switches in recess etc as required.				
151	1.27.1	1 or 2 Module (75mm X 75mm)	35	Each	234	8190
152	1.53	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess including providing and fixing 25 amps modular socket outlet and 25 amp modular SP MCB 'C' curve, including connections, painting etc. as required.	3	Each	683	2049
153	1.56	Supplying and fixing suitable size GI box with rnodular plate and cover in front on surface or in recess, including providing and fixing 3 nos. 5 pin 5/6 amps modular socket outlet and 2 nos. 5/6 amps modular switch, connection etc. as required.	14	Each	778	10892

154	2.8	Supplying and fixing following way single pole & neutral, sheet steel, MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper bus bar, neutral busbar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)				
155	2.8.7	12 way, Double door	3	Each	2314	6942
156	2.9	Supplying and fixing following way, horizontal type three pole & neutral, sheet steel, MCB distribution board, 415 volts, on surface/ recess, complete with tinned copper bus - bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required, (But without MCB/RCCB/Isolator)				
157	2.9.1	4 way (4 + 12), Double door, horizontal type	3	Each	4184	12552
157	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'				
158	2.12.1	6 A to 32'A, Single pole	55	Each	237	13035
159	2.12.6	40 A to 63 A, SPN	5	Each	1233	6165
160	2.12.8	40 A to 63 A, TP&N	5	Each	2329	11645
161	2.4	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				
162	2.4.2	725 A, 36 KA, FPMCCB	1	Each	8676	8676
163	2.7	Providing and fixing following capacity four pole ON-load panel mounted changeover switches inside the existing cubical panel board including drilling holes in cubicle panel, making connections etc. as required.				
164	2.7.3	100 A	1	Each	9334	9334

165	2.34	Supplying and fixing following ways, surface/recess mounting, Vertical three phase distribution board (VTPN DB's) of CRCA sheet steel, dust protected, duly powder painted suitable for upto 250 amp, four pole MCCB's as Incomer and SP/TP MCB's as outgoing inclusive of tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs etc as required. (but without MCCB's & MCB's)				
166	2.34.1	4 way, Double door, I/C 2504, MCCB	1	Each	19610	19610
167	8.11	Supply and fixing of fabricated Electrical control panel of cubical construction, floor/wall mounted type, fabricated out of 16 SWG CRCA sheet, compartmentalised with hinged doors, dust and vermin proof, powder coated painting of approved shade after 7 tank treatment process, cable alley, internal wiring, earth terminals, Bus bar Chamber, insulator and complete in all respect etc and panel manufactures must be approved by CPRI. (But without RYB indicator, ammeter, voltmeter, inter-connection copper conductor cable/solid copper strip, switchgears etc.)	4	Sq.fit	1809	7236
168	8.13	Supply and fixing panel mounted digital multimeter (Voltmeter & ammeter) including CT coil and RYB pilot indicator in the existing cubical panel board including drilling holes in the panel board making connections etc as required.	1	Each	6536	6536
169	5.1	Supplying and fixing 4'X18 watt LED batten with minimum efficacy 100 lm/w in polycarbonate housing and complete with integrated electronic driver etc directly on wall/ ceiling including connections with 1.5 sq.mm FRLS pVC insulated copper conductor etc. as required.	3	Each	521	1563
170	5.8	Supplying and fixing surface mounted following types LED downlighter with minimum efficacy 100 lm/w in pressure die-cast aluminium housing and integrated electronic driver etc directly on ceiling including connections with 1.5 sq.mm FRLS PVC insulated copper conductor cable etc as required				
171	5.8.2	15 watt	14	Each	1608	22512
172	5.1	Supplying and fixing 70112 watt LED type Bulk-head luminaire with minimum efficacy 100 lm/w in comprising of pressure die cast housing, acrylic diffuser, IP 65 protection and complete u,ith integrated electronic driver etc directly on wall/ceiling including connections with 1.5 sq. mm FRLS PVC insulated copper conductor cable etc as required.	5	Each	1275	6375

173	5.15	Supplying and fixing following types LED street 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 required.				
174	5.15.7	200 watt	2	Each	10495	20990
175	5.15.4	100 watt	5	Each	6085	30425
176						
177						
178	6.1	Supplying and fixing of following types lamp in the existing electrical fitting/ fixtures etc. as required.				
179	6.1.4	9/10 watt LED lamp	36	Each	161	5796
180						
181	8.15	Supply and installation of regular/standard model A.C. ceiling fan of 1200 mm sweep with service value (CM/MM) minimum 4.00, Air delivery minimum 270 cum/min including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FRLS PVC insulated copper conductor etc as required.	20	Each	2482	49640
182	8.17	Supply and installation of following sweep/ sizes metallic blade, heavy duty, single phase, 230 V A.C. Exhaust Fan in existing opening including making good the damage, connection, testing and commissioning etc as required.				
183	8.17.1	300 mm sweep	2	Each	2572	5144
184	8.18	Supply and fixing of following sweep/ sizes PVC/ABS square body Exhaust Fan with automatic openable louvre shutter in existing opening including making connection, testing etc as required.				
185	8.18.2	200 mm sweep (1300i1400 RPM)	2	Each	2074	4148

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186	8.5	Supplying and fixing of 32 mm dia X 1.00 metres long G.t. pipe (medium class) bracket for mounting of fluorescent / HPMV/ HPSV/ LED street light fitting on pole including bending the pipe to the required shape, 2 nos 40 mm X 3 mm flat iron clamps with nuts, bolts and washer, painting the flat iron with primer and finish paint etc. as required.	8	Each	1038	8304
187	7.7	Supply of following sizes and core PVC/XLPE insulated, PVC sheathed (heavy duty) armoured electrical power cable with aluminium conductor for working voltage upto 1.1 KV as required				
188	7.7.9	50 sq. mm, 3.5 core	50	Meter	561	28050
189	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.				
190	7.1.2	Above 35 sq. mm and upto 95 sq. mm	45	Meter	326	14670
191	3.21	Providing chemical/mineral maintenance free earthing system comprising 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 electrode to fill up the excavated earth and earth inspection pit etc. as required.	1	Set	16675	16675
192	3.17	Providing and fixing 4.00 mm dia copper wire on surface or in recess for loop earthing etc. as required	13	Meter	144	1872
193	7.9	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed PVC conduit as required.				
194	7.9.2	4X16 sq. mm	2	Meter	1018	2036
195	7.9.3	4X25 sq. mm	2	Meter	1881	3762

196	AR	Supplying of copper strip of all sizes, for bus bar strip/inter connection including drilling holes etc. as reqd.	3	Kg	871	2613
197	4.2	Providing and fixing lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required.	2	Each	416	832
198	4.4	Jointing copper/ G.I. tape (with another copper/ G.I. tape, base of the finial or any other metallic object) by riveting/ nut bolting sweating and soldering etc. as required.	10	Each	81	810
199	4.7	Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required. (For horizontal run)	44	Meter	102	4488
200	4.8	Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required. (For vertical run)	15	Meter	145	2175
201	3.2	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc with charcoal/coke and salt as required.	1	Set	6323	6323
202	3.9	Supplying and laying 25 mm X 6 mm G.I. strip at 0.50 metre below ground as strip earth electrode, including connection/ termination with GI nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping with 2 sets of G.I. nut bolt & spring washer spaced at 50 mm)	10	Meter	133	1330
203	8.18.3	Supply and fixing of following sweep/ sizes PVC/ABS square body Exhaust Fan with automatic openable louvre shutter in existing opening including making connection, testing etc as required. 250 mm sweep (1300/1400 RPM)	1	Each	2288	2288
204	8.2	Supply and installation of 600 mm, 230 V A.C. wall mounted Air circulator, heavy duty fan including fixing the bracket, making connection, testing, commissioning etc as required.	3	Each	9941	29823



205	8.16	Supply and installation of regular/standard model A.C ceiling fan of 1400 mm sweep with service value (CM/MM) minimum 4.10, Air delivery minimum 245 cum/min including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FRLS PVC insulated copper conductor etc as required.	4	Each	2838	11352
206	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.	8	Each	1232	9856
PLUMBING						
207	12.80.2	Providing and fixing 110 mm dia unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length, including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete.	120.00	each	182.72	21,926.40
208	17.1.1	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast iron P or S tap, 10 litre low white P.V.C. Flushing cistern with manually controlled device (handle level) conforming to IS : 7231 Parryware/Hindware with all fittings and fixtures complete including cutting and making good the walls and floors wherever required.White Vitreous China Orissa pattern W C pan of size 580 x 440 mm with integral type foot rest.	4.00	Each	4470.90	17,883.60
209	17.3.1	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P . flush bend with fittings & C.I.brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required :W.C. pan with ISI marked black solid plastic seat and lid	4.00	Each	5504.30	22,017.20

210	17.8	Providing and fixing white vitreous china battery based infrared sensor operated urinal of approx. size 610 x 390 x 370 mm having pre & post flushing with water (250 ml & 500 ml consumption), having water inlet from back side, including fixing to wall with suitable brackets all as per manufacturers specification and direction of Engineer-in-charge.	2.00	Each	6534.20	13,068.40
211	17.6.1	Providing and fixing one piece construction white vitreous china squatting plate with an integral longitudinal flushing pipe, white P.V.C. automatic flushing cistern, with fittings, standard size G.I. / PVC flush pipe for back and front flush with standard spreader pipes	2.00	Each	5167.30	10,334.60
212	17.7.4	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 Wash basin size 550x400 mm with 15 mm C.P. brass pillar taps.	5.00	Each	2135.80	10,679.00
213	17.28.2.1	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Flexible pipe 32 mm dia	6.00	Each	104.40	626.40
214	17.70	Providing and fixing PTMT Bottle Trap for Wash basin and sink.				
215	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 mm minimum water seal, weighing not less than 260 gms.	10	each	325.10	3251.00
216	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.	6	each	146.30	877.80
217	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.				
218	17.73.2	600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 gms.	3	each	424.00	1272.00

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219	18.21	Providing and fixing uplasticised PVC connection pipe with brass ions :				
220	18.21.2	45 cm length				
221	18.21.2.1	15 mm nominal bore	13	each	85.20	1107.60
222	18.51	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms.				
223	18.51.1	15 mm nominal bore	13	each	708.40	9209.20
224	18.53	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931.				
225	18.53.1	15 mm nominal bore	13	each	500.40	6505.20
226	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 backing : Rectangular shape 453 x 357 mm	3.00	Each	857.00	2,571.00
227	17.33	Providing and fixing 600 x 120 x 5 mm glass shelf with edges round off, supported on anodised aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc., complete.	3.00	Each	713.30	2,139.90
228	18.9.2	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement ,trenching ,refilling & testing of joints complete as per direction of	110.00	meter	205.30	22,583.00
229	18.8.1	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 joining of pipes & fittings with one step CPVC solvent cement and the	98.00	meter	278.20	27,263.60
230	18.9.3	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of	65.00	meter	294.70	19,155.50
231	18.48	Providing and placing on terrace (at all floor levels) polyethylene 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.	1000.00	per litre	9.70	9,700.00

232	18.49	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931	5.00	Each	434.20	2,171.00
233	18.52.1	Providing and fixing C.P. brass stop cock (concealed of standard design and of approved make conforming to IS : 8931	5.00	Each	594.80	2,974.00
234	19.2.1	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 : 100 mm diameter S.W. pipe	45.00	meter	404.30	18,193.50
235	19.6.2	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete: 150 mm dia R.C.C. pipe	45.00	meter	410.70	18,481.50
236	19.27.1	Constructing brick masonry road gully chamber 50x45x60 cm with bricks in cement mortar 1:4 (1cement : 4 coarse sand) including 500x450 mm pre-cast R.C.C. horizontal grating with frame complete as per standard design : With common burnt clay F.P.S. (non modular) bricks	30.00	Each	3743.30	1,12,299.00
237	19.30.1.1	Constructing brick masonry chamber for Underground C.I. Inspection Chamber and bend with 75 class designation bricks in cement mortar 1:4 (1 cement : 4 coarse sand) C.I. Cover with frame (light duty) 455x610 mm internal dimentions, total weight of cover with frame to be not less than 38 kg. (weight of cover	30.00	Each	4266.80	1,28,004.00
238	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 brick 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	1.00	Each	33603.40	33,603.40
239	19.34.2	Providing and fixing S.W. intercepting trap in manholes with stiff mixture of cement mortar 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete : 150 mm dia	4.00	Each	429.60	1,718.40
240	12.78	Providing and fixing on wall face unplastidsed 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.				
241	12.78.1	75 mm diameter.	25.00	meter	162.70	4,067.50
242	12.78.2	110 mm diameter.	76.00	meter	257.50	19,570.00

243	12.79	Providing and fixing on wall face unplasticised -PVC molded fittings/accessories for unplasticised - PVC rain water pipes conforming to (S:4985 including jointing with seal ring conforming to IS: 5382 leaving 10 mm gap for thermal expansion				
244	12.79.3.1	75 x 75 x 75 mm dia Single tee with door	30.00	each	141.60	4,248.00
245	12.79.3.2	110 x 110 x 110 mm dia Single tee with door	25.00	each	193.40	4,835.00
246	12.79.5.1	75 mm dia Bend	20.00	each	91.80	1,836.00
247	12.79.5.2	110 mm dia Bend	35.00	each	132.00	4,620.00
248	Code no. of 1354	(i) Rectangular cover 455x610 mm with frame (low duty)	1.00	Each	1626.10	1,626.10
BOUNDARY WALL						
249	20.3A.1	Making 25 cm (10") dia bore up to 4 mtr depth below ground with hand auger of approved quality in ordinary soil (vide classification of soil item A) true to plumb and without eccentricity in any stage of operation and disposal of the excavated earth up to 50 mtr , Lead in eluding all lifts , all complete as per approved design anddirection of E/I Details of cost for 4 piles of 4 m= 16 mtrsBoring,providing & installing bored cast-in-situ R.C.C Piles	224.00	meter	178.30	39,939.00
250	2.28	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete.	2.46	cum	287.30	707.00
251	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 but excluding carriage cost of brick & sand.	32.82	smq	283.3	9,298.00
252	5.33A.1	Providing and laying in position specified grade of reinforced cement concrete M 20 excluding the cost of centring,shuttering,finishing and reinforcement-All work upto plinth level	8.75	Cum	4756.90	41623.00
253	5.33A.2.1	Providing and laying in position specified grade of reinforced cement concrete M 20 excluding the cost of centring,shuttering,finishing and reinforcement-All work Above plinth level	24.66	Cum	5293.50	130538.00

254	5.33A.2.2	Providing and laying in position specified grade of reinforced cement concrete M 20 excluding the cost of centring, shuttering, finishing and reinforcement-All work Above plinth level band, beam, chajja etc.	19.18	Cum	5677.20	108889.00
255	6.1.14A	Providing designation 100A brick work in CM (1:6) in foundation and plinth with approved quality of clean coarse sand of F.M.2to 2.5 including providing 10 mm thick mortar joint, cost of screening, carriage of materials, raking out joints to 15 mm depth, curing, taxes and royalty all complete as per building specification and direction of E/I.	71.05	cum	4819.90	342454.00
256	10.43	Providing and fixing concertina coil fencing with punched tape concertina coil 600 mm dia 10 metre openable length (total length 90 m), having 50 nos rounds per 6 metre length, upto 3 m height of wall with existing angle iron 'Y' shaped placed 2.4 m or 3.00 m apart and with 9 horizontal R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal, including necessary bolts or G.I. barbed wire tied to angle iron, all complete as per direction of Engineer-in-charge, with reinforced barbed tape(R.B.T.) / Spring core (2.5 mm thick) wire of high tensile strength of 165 kg/ sq mm with tape (0.52 mm thick) and weight 43.478 gm/ metre (cost of M.S. angle, C.C. blocks shall be paid separately)	140.00	m	272.60	38164.00
257	10.32.2	Steel work welded in built up sections / framed work including cutting hoisting, rixing in position and applying a priming coat of approved steel primer using structural steel, etc. as required. Ingratings , frames ,guardbar, ladders, railings,brackts.gates & similar works.	681.17	kg	114.60	78062.00
258	5.22.7B	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Thermo-Mechanically Treated bars TMTC-500- 10mm dia.	4642.27	Kg	92.60	429874.00
259	13.11.4	12mm cement plaster of mix 1:6 (1 cement :6coarse sand).	840.28	Sqm	141.50	118900.00
260	13.78.1+1 3.79.1	Colour washing such as green, blue or buff to give an even shade : New work (two or more coats) with a base coat of white washing	840.28	Sqm	119.80	100666.00
261	5.9	Centring and shuttering including strutting,propping etc. and removal of form for.				
262	9.48.1	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. Fixed to steel windows by welding.	3000.00	kg	144.50	433500.00

263	13.94.1	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade:	92.94	sqm	116.50	10828.00
264	5.9.5	Walls (any thickness) including attached pilasters. Butteresses, plinth and string courses etc.	156.94	sqm	404.70	63514.00
265	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	101.25	sqm	494.40	50058.00
266		Carriage of Materials				
267	(a)	Local Sand	6.35	cum	316.15	2008.00
268	(b)	Brick	80565.00	Thousand	1209.93	97478.00
269	(c)	Sone Sand	110.74	Cum	1224.41	135591.00
270	(d)	Stone Chips	80.64	Cum	2228.82	179732.00
271		Diff Cost of materials				
272	(a)	Cement	54.40	Mt	267.59	14557.00
273	(b)	Bricks	80565.00	Thousand	275.54	22199.00
274		Add 5.36% Gst of Total Amount = 2448579@5.36%				131244.00
275		Seingnorage Fee				
276	(A)	Local Sand	6.35	Cum	14.19	90.00
277	(B)	Bricks	80565.00	Thousand	506.00	40766.00
278	(C)	Sone Sand	110.74	Cum	17.58	1947.00
279	(d)	Stone Chips	80.64	Cum	55.63	4486.00
280		Road Work				
281	2.25(A)	Providing E/W in Filling ...do. do....all Comp. job .	223.38	Cum	411.70	91966.00
282	2.28	Providing Local sand filling ...do. do....all Comp. job .	124.10	Cum	287.30	35654.00
283	11.73	Providing & laying 100A B/E/Soling ...do. do....all Comp. job .	248.20	Sq.mt.	283.30	70315.00
284	16.42	Providing P.C.C work (1 : 2 : 4) ...do. do....all Comp. job .	62.05	cu.mt.	4649.00	288470.00
285		Carriage of Materials				
286	(i)	Local Sand	127.82	cu.mt.	316.15	40410.00
287	(ii)	Sone Sand	27.61	cu.mt.	1224.41	33806.00
288	(iii)	Bricks	8007	Thousand	1209.93	9688
289	(iv)	Stone Chips	52.74	cu.mt.	2228.82	117548.00
290		Add Difference cost of Materilas				
291	(i)	Cement	19.86	MT	267.59	5314
292	(ii)	Bricks	8007	Thousand	275.54	2206
293		Add 5.36% extra GST = (695377@5.36%)				37272.00
294		Senignorage Fee (10% of Total Amount)				
295	(i)	Local Sand	127.82	cu.mt	14.19	1814
296	(ii)	Sone Sand	27.61	cu.mt	17.58	485
297	(iii)	Stone Chips	52.74	cu.mt	55.63	2934
298	(iv)	Bricks	8007	Nos.	506	4052
		Grand Total			14517932.63	-15114896.63
					Grand Total RS:-	-1,51,14,896

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B.E

સહાયક અધિકારી
સંદેશ-01, તાર ત્રિકાસ
અવકા-02, પત્રા

N. Bhatt
20/04/26

BOB approved for Rs 1,50,17,933.00 (i.e., one crore
fifty lakhs, seventeen thousand nine hundred and
thirty three only)

~~સહાયક અધિકારી
સંદેશ-01, તાર ત્રિકાસ
અવકા-02, પત્રા~~
~~N. Bhatt
20/04/26~~

~~સહાયક અધિકારી
સંદેશ-01, તાર ત્રિકાસ
અવકા-02, પત્રા~~

~~BOB approved for Rs 1,45,17,933.00 (i.e., one crore,
forty five lakhs seventeen thousand nine hundred and
thirty three only.)~~

સહાયક અધિકારી
સંદેશ-01, તાર ત્રિકાસ
અવકા-02, પત્રા
20/04/26