

**Name of Work** Construction of New Taluka Panchayat Office Building at Santalpur Varahi Ta. Radhanpur, Dist.Patan

:-

**BILL OF QUANTITIES (SCHEDULE-B)**  
**Memorandum showing items of works to be carried out**

Item No.	Description of Item	Quantity	Unit	Rate		Total Amount
				in Figures	in words	
1	3	2		4		7
1	Empty boring through all sorts of strata for providing 0.600 mt. Diameter R.C.C. bored piles to required Depth including providing necessary casing pipe with all plants and equipments also including transportation of excavated mud as required complete	800	Rmt.	957.48	Rupees Nine Hundred Fifty Seven and Paise Forty Eight Only	765984
2	Providing and laying controlled cement concret M 250 for R.C.C. bored piles of 0.600 mt diameter including. vibrating curing and finishing complete	227	Cum	4559.56	Rupees Four Thousand Five Hundred Fifty Nine and Paise Fifty Six Only	1035020.12
3	Providing and laying in position Ready Mixed M-250 grade concrete for reinforced cement concrete work , using cement content as per approved Design Mix manufactured in fully automatic batching plant and transported to site of work in transit mixer for a lead up to 10 kms having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work including pumping of R.M.C. from transit mixer to site of laying, Including the cost of centering, shuttering, finishing, excluding the cost of reinforcement including cost of admixtures in recommended proportions as per IS: 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge. Without Fly Ash (Min cement level as per latest IS 456 shall be maintained) -For Pile Cap (Cement level 450 kg )	416	Cum	4933.85	Rupees Four Thousand Nine Hundred Thirty Three and Paise Eighty Five Only	2052481.6
4	Performing Integrity test (low strain) on vertical pile. The item shall include chipping of weak concrete at the top of pile, leveling, bending of reinforcing bars, preparation of pile head including testing with pile driving analyzer or approved equivalent. To be carried out at least 15 days after concreting of piles. A specialist approved agency shall be employed by the Contractor for the test. The test shall be carried out as per relevant ASTM code, The item is including complete testing with approved apparatus, analysis of results and conclusions including submission of test reports in three hard copies with soft copy in CD.	80	Point	2030.1	Rupees Two Thousand Thirty and Paise Ten Only	162408
5	Load testing of foundation piles including loading with necessary kentledge or any other suitable method as directed.	1	M.T.	35767.11	Rupees Thirty Five Thousand Seven Hundred Sixty Seven and Paise	35767.11
6	Excavation for foundation upto 1.50mt.Depth including sorting out and stacking of useful materials and disposing of the excavated stuff as directed with in all lead & Lift (B) Dense or Hard soil.	1318	Cum.	164.39	Rupees One Hundred Sixty Four and Paise Thirty Nine Only	216666.02
7	Excavation for foundation up to 1.50M. to 3.0 mt. Depth including sorting out and stacking of useful materials and disposing of the excavated stuff up to 50M. Lead(D) soft rock not required to blasting	693	Cum	178.63	Rupees One Hundred Seventy Eight and Paise Sixty Three Only	123790.59

Item No.	Description of Item	Quantity	Unit	Rate		Total Amount
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1	3	2		4		7
8	Filling foundation and plinth with sand under floors including watering, ramming and consolidating dressing etc, comp.	52	Cum	429.24	Rupees Four Hundred Twenty Nine and Paise Twenty Four Only	22320.48
9	Filling available excavated earth excluding rock in trenches plinth side of foundation etc. in layer not exceeding 20cm. In depth consolidation each deposited layer by ramming and watering.	994.7	Cum	137.47	Rupees One Hundred Thirty Seven and Paise Forty Seven Only	136741.409
10	Filling foundation and plinth with murrum or selected soil in layers of 20 cm. thickness includind watering, ramming and consolidating etc. comp.	275	Cum	273.86	Rupees Two Hundred Seventy Three and Paise Eighty Six Only	75311.5
11	Applying general insecticide pest control treatment to floors, cupboards etc including labour materials etc. complete. Using Imidacloprid 30.5 SCas Per IS 6313 part - II( 0.075% concentration by mass) is recommended 10.5ml chemical diluted with 5 liters of water application 0.5 litre chemical /Sqm of surface is recommended as per I.S	610	Sqm.	91.63	Rupees Ninety One and Paise Sixty Three Only	55894.3
12	Providing and laying controlled cement concrete M-150 and curing complete excluding the cost of form work and reinforcement concrete work in:(a) Foundation footing base of column and mass concrete.	105	Cum	3901.63	Rupees Three Thousand Nine Hundred One and Paise Sixty Three Only	409671.15
13	Providing and laying controlled cement concrete M-250 and curing complete including the cost of form work but excluding the cost of reinforcement concrete work in Column upto floor two level. Upto ground level.	54	Cum	7005.36	Rupees Seven Thousand Five and Paise Thirty Six Only	378289.44
14	Providing & laying cement concrete 1: 3 : 6 ( 1 Cement : 3 Coarse sand : 6 graded B.T stone aggregate 20mm nominal size) Curing comp. including cost of form work in foundation and plinth.	283	Cum	3178.52	Rupees Three Thousand One Hundred Seventy Eight and Paise Fifty Two Only	899521.16
15	Providing and laying Controlled cement concrete M200 using B.T. stone aggregate and curing etc. complete including the cost of form work but excluding the cost of reinforcement. (a) Column for Ground floor.	46	Cum.	7541.67	Rupees Seven Thousand Five Hundred Forty One and Paise Sixty Seven Only	346916.82
16	Providing and laying Controlled cement concrete M200 using B.T. stone aggregate and curing etc. complete including the cost of form work but excluding the cost of reinforcement. (a) Column for First floor.	31	Cum.	7580.96	Rupees Seven Thousand Five Hundred Eighty and Paise Ninety Six Only	235009.76
17	Providing and laying Controlled cement concrete M200 using B.T. stone aggregate and curing etc. complete including the cost of form work but excluding the cost of reinforcement. (a) Column for Second floor .	12	Cum	7620.25	Rupees Seven Thousand Six Hundred Twenty and Paise Twenty Five Only	91443
18	Providing and laying Controlled cement concrete M 250 using B.T. stone aggregate and curing etc. complete including the cost of form work but excluding the cost of reinforcement for (c) PLINTH BEAM having cross sectional area more than 0.12 sqm	104	Cum	5890.32	Rupees Five Thousand Eight Hundred Ninety and Paise Thirty Two Only	612593.28
19	Providing and laying controlled cement concrete M-150 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in Plinth PLINTH Slab .	92	Cum.	4282.4	Rupees Four Thousand Two Hundred Eighty Two and Paise Forty Only	393980.8
20	Providing and laying controlled cement concrete M-200 and curing complete including the costof form work but excluding the cost of reinforcement for reinforced concrete workn in Wall caps / Coping / Lintel bends Ground Floor.	1	Cum.	6272.1	Rupees Six Thousand Two Hundred Seventy Two and Paise Ten Only	6272.1
21	Providing and laying controlled cement concrete M-200 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in BEAMS Ground Floor.	44	Cum.	6513.49	Rupees Six Thousand Five Hundred Thirteen and Paise Forty Nine Only	286593.56
22	Providing and laying controlled cement concrete M-200 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in BEAMS First Floor.	40	Cum.	6552.78	Rupees Six Thousand Five Hundred Fifty Two and Paise Seventy Eight Only	262111.2

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1	3	2		4		7
23	Providing and laying controlled cement concrete M-200 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in BEAMS Second Floor.	5	Cum.	6592.07	Rupees Six Thousand Five Hundred Ninety Two and Paise Seven Only	32960.35
24	Providing and laying controlled cement concrete M-200 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in LINTELS Ground Floor.	9.5	Cum.	7706.3	Rupees Seven Thousand Seven Hundred Six and Paise Thirty Only	73209.85
25	Providing and laying controlled cement concrete M-200 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in LINTELS First Floor.	10	Cum.	7745.59	Rupees Seven Thousand Seven Hundred Forty Five and Paise Fifty Nine Only	77455.9
26	Providing and laying controlled cement concrete M-200 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in CHHAJJAS Ground Floor.	3.3	Cum.	6731.65	Rupees Six Thousand Seven Hundred Thirty One and Paise Sixty Five Only	22214.445
27	Providing and laying controlled cement concrete M-200 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in CHHAJJAS First Floor.	5	Cum.	6770.94	Rupees Six Thousand Seven Hundred Seventy and Paise Ninety Four Only	33854.7
28	Providing and laying controlled cement concrete M-200 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in slabs for Ground Floor.	178	Cum	6477.13	Rupees Six Thousand Four Hundred Seventy Seven and Paise Thirteen Only	1152929.14
29	Providing and laying Controlled cement concrete M200 using B.T. stone aggregate and curing etc. complete including the cost of form work but excluding the cost of reinforcement. In slab for First floor.	101	Cum	6516.42	Rupees Six Thousand Five Hundred Sixteen and Paise Forty Two Only	658158.42
30	Providing and laying Controlled cement concrete M200 using B.T. stone aggregate and curing etc. complete including the cost of form work but excluding the cost of reinforcement. In slab for Second floor.	5	Cum	6555.71	Rupees Six Thousand Five Hundred Fifty Five and Paise Seventy One Only	32778.55
31	Providing and laying controlled cement concrete M-200 using B.T. stone aggregate and curing complete including the cost of formwork but excluding the cost of reinforcement for reinforced cement concrete work in staircases G.F. to F.F.	7	Cum.	7529.55	Rupees Seven Thousand Five Hundred Twenty Nine and Paise Fifty Five Only	52706.85
32	Providing and laying controlled cement concrete M-200 using B.T. stone aggregate and curing complete including the cost of formwork but excluding the cost of reinforcement for reinforced cement concrete work in staircases F.F. to S.F.	7	Cum	7568.84	Rupees Seven Thousand Five Hundred Sixty Eight and Paise Eighty Four Only	52981.88
33	Providing T.M.T. bar FE500/500D reinforcement confirmed to for R.C.C. work including bending, binding, and placing. In position comp. Up to floor two level. For All Floor	117033	Kg	77.65	Rupees Seventy Seven and Paise Sixty Five Only	9087612.45
34	Brick work using common burnt clay building bricks having crushing strength not less than 35 Kg./Sq.m. in foundation and plinth in cement mortar 1:6 (1 cement:6 fine sand) (b) Conventional.	191	Cum	3657.07	Rupees Three Thousand Six Hundred Fifty Seven and Paise Seven Only	698500.37
35	Brick work using common burnt clay building bricks having crushing strength not less than 35 Kg./ Sqm. in cement mortar 1:6 ( 1 cement : 6 Fine sand ) in super structure above plinth level upto floor two level ( for G.F ) Conventional	177	Cum	4004.12	Rupees Four Thousand Four and Paise Twelve Only	708729.24
36	Brick work using common burnt clay building bricks having crushing strength not less than 35 Kg./ Sqm. in cement mortar 1:6 ( 1 cement : 6 Fine sand ) in super structure above plinth level upto floor two level ( for F.F ) Conventional.	108	Cum	4041.19	Rupees Four Thousand Forty One and Paise Nineteen Only	436448.52
37	Brick work using common burnt clay building bricks having crushing strength not less than 35 Kg./ Sqm. in cement mortar 1:6 ( 1 cement : 6 Fine sand ) in super structure above plinth level upto floor two level ( for S.F ) Conventional.	49	Cum	4078.26	Rupees Four Thousand Seventy Eight and Paise Twenty Six Only	199834.74

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1	3	2		4		7
38	Half brick masonry in common burnt clay building bricks having crushing strength not less than 35kg./sq.cm. in cement mortar 1:3 (1 cement : 3 coarse sand ) with 2nos. of 6mm dia mild steel round bars every three coarse embedded in cement mortar in superstructure for Ground floor (Conventional)	188	Sqm.	693.23	Rupees Six Hundred Ninety Three and Paise Twenty Three Only	130327.24
39	Half brick masonry in common burnt clay building bricks having crushing strength not less than 35kg./sq.cm. in cement mortar 1:3 (1 cement : 3 coarse sand ) with 2nos. of 6mm dia mild steel round bars every three coarse embedded in cement mortar in superstructure First floor (Conventional)	185	Sqm.	698.96	Rupees Six Hundred Ninety Eight and Paise Ninety Six Only	129307.6
40	Providing and fixing door Double shutter having factory fabricated std. Extruded aluminium colour anodized hollow section {Section 63.50 x 38 mm x 2.50 mm thick } for door frame, hollow portion of door frame shall be filled with wood to be insert for durable grip of door hinges, with factory made 38 mm.thick flush door with both side 1mm thick laminated with 6 Lever Mortice lock , SS Aldrop 30cm long, SS Handle size 15 Cm Long, Tower Bolt size 20 cm etc. as per detail colour & pattern approved by this office including necessary anodized alluminum fixtures and fastenings.	20	Sqm.	5816.59	Rupees Five Thousand Eight Hundred Sixteen and Paise Fifty Nine Only	116331.8
41	Providing and fixing door Single shutter having factory fabricated std. Extruded aluminium colour anodized hollow section {Section 63.50 x 38 mm x 2.50 mm thick } for door frame, hollow portion of door frame shall be filled with wood to be insert for durable grip of door hinges, with factory made 38 mm.thick flush door with both side 1mm thick laminated with 6 Lever Mortice lock , SS Aldrop 30cm long, SS Handle size 15 Cm Long, Tower Bolt size 20 cm etc. as per detail colour & pattern approved by this office including necessary anodized alluminum fixtures and fastenings.	90	Sqm.	4138.98	Rupees Four Thousand One Hundred Thirty Eight and Paise Ninety Eight Only	372508.2
42	Providing & fixing FRP Frame size 100 x 50mm and 35mm thick FRP depress pannel shutter having extra reinforcement on sides ad edges and in gel coat finish. The cores of the shutter is to be filled up with intected fire extinguishing grade polyurethane wooden pieces for stiffening and also for taking hinges and fixtures. The FRP shutter is to be water proof, weather proof, termite proof and resistance to mild acid / Alkali including S.S hinges with necessary screws and alluminium fixtures and fastenings & Fastener Sleeve.	37	Sqm.	2637.03	Rupees Two Thousand Six Hundred Thirty Seven and Paise Three Only	97570.11
43	Providing and fixing Anodized Alluminum Section Jindal Deluxe Partly Fixed & Partly Sliding Window THREE track window as shown in elevation, shutter with 5mm thick transparent plain float glass, with transparent silicon sealant with allu. anosized coated fittings and fixture etc complete.	86	Sqm	2081.61	Rupees Two Thousand Eighty One and Paise Sixty One Only	179018.46
44	Providing and fixing Anodized Alluminum Section Jindal Deluxe Partly Fixed & Partly Sliding Window Two track window as shown in elevation, shutter with 5mm thick transparent plain float glass, with transparent silicon sealant with allu. power coated fittings and fixture etc complete.	122	Sqm	3086.56	Rupees Three Thousand Eighty Six and Paise Fifty Six Only	376560.32
45	Providing and fixing standared extruded of alluminium section of size 63.50 x 38.10 x 1.95 mm @ Wt 1.094Kg / Rmt with colour Powder Coated alluminium frame with 5 mm thick transparent bronze colour tinted float glass as details etc complete for Fix window.	24	Sqm	1525	Rupees One Thousand Five Hundred Twenty Five and Paise Zero Only	36600

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1	3	2		4		7
46	Providing and fixing standard extruded of aluminium section of size 63mm x 38.10mm x 1.2mm @ Wt. 0.643 Kg/mt) with colour anodized aluminium frame for ventilation with 5 mm thick frosted glass as details etc complete for Ventilation {Colour as directed by Engineer in charge except black & Alluminum section and glass	12	Sqm	1175.56	Rupees One Thousand One Hundred Seventy Five and Paise Fifty Six Only	14106.72
47	Providing and fixing standard GI Chanel frame for ventilation with fixed louvers 114mm wide G.I.sheet with thickness of 0.55mm & wt. not less than 400gm per meter roll formed to create 84mm wide louver snap fixed on special shaped GI channel. Fix louvers & Channels shall finished with powder coating of 55microns etc. complete.	23	Sqm	1596.81	Rupees One Thousand Five Hundred Ninety Six and Paise Eighty One Only	36726.63
48	Providing and fixing Safty grills of required pattern for windows Rectangular CRC pipes of size 50 x 30 x 2mm & 16mm dia M.S. bar at 10cm spacing as per design including fixing rat mesh and hold fasting with coach bolts including one coat of primer and two coats of mattfinished oil painting etc complete.	6190	Kgs.	119.89	Rupees One Hundred Nineteen and Paise Eighty Nine Only	742119.1
49	Providing and laying Machine cut, Free edges, Machine polished Granite stone slab 18 mm (Average) thick (Single piece not more than 150 cm } for stair steps and riser as per design incl. full moulded round front edge & 1 cm nosing & necessary groove on trade of steps laid on 20 mm thick cement mortar 1:6 (1 -cement : 6 coarse sand ) jointed with grey cement slurry including rubbing and polishing etc. complete	88	Sqm	3424.91	Rupees Three Thousand Four Hundred Twenty Four and Paise Ninety One Only	301392.08
50	Providing and laying 60 x 60cm Matt Finished Vitrified tiles 8 to 10 mm thick with pattern colour & Shade as detailed approve by architect 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.	328	Sqm	1120.36	Rupees One Thousand One Hundred Twenty and Paise Thirty Six Only	367478.08
51	Providing and laying 60 x 60cm Matt Finished Vitrified tiles 8 to 10 mm thick with pattern colour & Shade as detailed approve by architect 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	16	Sqm	1195.02	Rupees One Thousand One Hundred Ninety Five and Paise Two Only	19120.32
52	Providing and laying 60 x 60cm Soluble Salt Vitrified tiles 8 to 10 mm thick with pattern colour & Shade as detailed approve by architect ( 10% Dark colour tiles Pattern ) 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.	537	Sqm	1539.45	Rupees One Thousand Five Hundred Thirty Nine and Paise Forty Five Only	826684.65
53	Providing and laying 60 x 60cm GTV Vitrified tiles 8 to 10 mm thick with pattern colour & Shade as detailed approve by architect ( 10% Dark colour tiles Pattern ) 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	32	Sqm	1614.11	Rupees One Thousand Six Hundred Fourteen and Paise Eleven Only	51651.52
54	Providing and laying 60 x 60cm Antiskid Vitrified tiles 8 to 10 mm 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.	63	Sqm	1472.91	Rupees One Thousand Four Hundred Seventy Two and Paise Ninety One Only	92793.33
55	Providing and laying 30 x 30 cm size Ceramic 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.	29	Sqm	1017.3	Rupees One Thousand Seventeen and Paise Thirty Only	29501.7

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1	3	2		4		7
56	Providing and laying 30 x 60Cm size Ceramic tiles 6mm thick 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	324	Sqm	1091.96	Rupees One Thousand Ninety One and Paise Ninety Six Only	353795.04
57	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	869	Sqm	700.74	Rupees Seven Hundred and Paise Seventy Four Only	608943.06
58	Providing and fixing pre-cast concrete kerb stone of gray cement based concrete block 30cm 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 (1cement:3fine sand) etc complete.	139	Rmt.	374.92	Rupees Three Hundred Seventy Four and Paise Ninety Two Only	52113.88
59	Providing and laying water proofing treatment with chaina mosaic tiles flooring over avg 40 mm C.C. 1:2:4 ( 1 Cement, 2 sand, 1 Kapchi 20mm + 3 grit 6mm to 10mm ) bedding for maintaining slope for plain and curve surface & 12 mm to 20 mm of broken piece of ceramic / glazed tiles ( one or more color as directed ) to be laid over cement mortar bedding of C M 1:3 (1 cement : 3 sand ) containing one Kg. of water proofing materials per bag of O P C at plain or / and slopes and to be tempered to bring mortar ceramic up to surface with using white cement and colour pigment including rounding of junctions and extending them up to 15 cm along the wall and curing with bends any patterns or design as per drawing and cleaning by using oxalic acid etc complete.	549	Sqm	1099.89	Rupees One Thousand Ninety Nine and Paise Eighty Nine Only	603839.61
60	Providing and laying Mirror polished Machine polished Green Marble stone slab 18mm (Average ) thick for doors & windows sill & Jams cladding as per design including full moulded round front steps & 1cm nosing & necessary groove on treads of steps ;laid on 20mm thick cement mortar 1:6 ( 1 cement : 6 coarse sand ) jointed with gray cement slurry including rubbing and polishing etc. complete.for Doors / windows sill & jams cladding.	150	Sqm	2772.45	Rupees Two Thousand Seven Hundred Seventy Two and Paise Forty Five Only	415867.5
61	Providing 20 mm thick double coat mala cement plaster on interior brick / concrete work for plastering comprising of base coat of 12 mm thick cement plaster in cement mortar (1 Cement : 4 coarse sand) in rough finishing and 8 mm thick top coat of cement mortar 1:2 (1 Cement : 2 Coarse sand) finished with trowel including scaffolding curing etc. complete. For Ground Floor	1159	Sqm	290.37	Rupees Two Hundred Ninety and Paise Thirty Seven Only	336538.83
62	Providing 20 mm thick double coat mala cement plaster on interior brick / concrete work for plastering comprising of base coat of 12 mm thick cement plaster in cement mortar (1 Cement : 4 coarse sand) in rough finishing and 8 mm thick top coat of cement mortar 1:2 (1 Cement : 2 Coarse sand) finished with trowel including scaffolding curing etc. complete. for First Floor	1325	Sqm	319.25	Rupees Three Hundred Nineteen and Paise Twenty Five Only	423006.25
63	Providing 20 mm thick double coat mala cement plaster on interior brick / concrete work for plastering comprising of base coat of 12 mm thick cement plaster in cement mortar (1 Cement : 4 coarse sand) in rough finishing and 8 mm thick top coat of cement mortar 1:2 (1 Cement : 2 Coarse sand) finished with trowel including scaffolding curing etc. complete. for Second Floor	219	Sqm	347.78	Rupees Three Hundred Forty Seven and Paise Seventy Eight Only	76163.82

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1	3	2		4		7
64	Providing 10mm thick cement plaster in single coat on brick/concrete walls for interior plastering upto floor two level and finished even and smooth in (i) Cement mortar 1:3 (1-cement:3-sand) including finishing with a flating coat of neat cement slurry etc. complete. for Ground Floor	536	Sqm	221.79	Rupees Two Hundred Twenty One and Paise Seventy Nine Only	118879.44
65	Providing 10mm thick cement plaster in single coat on brick / concrete walls for interior plastering upto floor two level and finished even and smooth in (i) Cement mortar 1:3 (1-cement:3-sand) including finishing with a flating coat of neat cement slurry etc. complete. for First Floor	493	Sqm	245.17	Rupees Two Hundred Forty Five and Paise Seventeen Only	120868.81
66	Providing 10mm thick cement plaster in single coat on brick/concrete walls for interior plastering upto floor two level and finished even and smooth in (i) Cement mortar 1:3 (1-cement:3-sand) including finishing with a flating coat of neat cement slurry etc. complete. for Second Floor	24	Sqm	268.09	Rupees Two Hundred Sixty Eight and Paise Nine Only	6434.16
67	Providing 20 mm thick Water proof cement plaster for sunk in single coat on bricks/ concrete wall for interior plastering upto floor two level finished even and smooth (ii) Cement mortar 1:3 (1- cement : 3-sand) and mixing waterproofing materials of approved brand and manufacture in cement mortar in proportion recommended by the manufacturer for All Floors.	102	Sqm	208.26	Rupees Two Hundred Eight and Paise Twenty Six Only	21242.52
68	Providing and fixing chicken mesh jali with square of 12.50 x 12.50 mm of 25 gauge at junction the Brick.masonry and reinforcement cement concrete member including fixing materials scaffolding labour etc. complete	431	Sqm	92.92	Rupees Ninety Two and Paise Ninety Two Only	40048.52
69	Applying two coats of putty & two coats of primer of approved brand and manufacture on new wall surface to give an even shade including thoroughly brushing the surface free from mortar dropping and other foreign matter and sand papered smooth. For all floor	3707	Sqm	40.59	Rupees Forty and Paise Fifty Nine Only	150467.13
70	Wall painting (three coats) with plastic emulsion paint of approved brand and manufacture on undecorated wall surface to give an even shade including throughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth including	2715	Sqm	131.87	Rupees One Hundred Thirty One and Paise Eighty Seven Only	358027.05
71	Wall painting (three coats) with plastic emulsion paint of approved brand and manufacture on undecorated ceiling surface to give an even shade including throughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth.	1024	Sqm	137.78	Rupees One Hundred Thirty Seven and Paise Seventy Eight Only	141086.72
72	20mm thick sand faced cement Gutka finished plaster on walls upto height 10 metres above ground level consisting of 12mm thick backing coat of C.M. 1:3 (1-cement : 3-sand) and 8mm thick finishing coat of C.M. 1:1 (1-cement : 1-sand) etc. complete.	1967	Sqm	330.72	Rupees Three Hundred Thirty and Paise Seventy Two Only	650526.24
73	Providing and fixing 90 cm high Stainless steel railing made from anticorrosive S S pipe of 50 mm dia (16Gauge) as hand rail with S S 38 mm dia (16Gauge) as a vertical support fixed in RCC slab at 1.2m c/c including three horizontal S S pipes of 25 mm dia (16Gauge) at equal distance fixed by 18.75 mm dia (16Gauge) S S pipe including accessories as per detailed drawing as directed etc. complete.	35.86	Rmt.	3144.13	Rupees Three Thousand One Hundred Forty Four and Paise Thirteen Only	112748.5018

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1	3	2		4		7
74	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 cancelled as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	96	Rmt.	72.65	Rupees Seventy Two and Paise Sixty Five Only	6974.4
75	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 cancelled as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials. [B] 25mm dia.	90	Rmt.	91.84	Rupees Ninety One and Paise Eighty Four Only	8265.6
76	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 cancelled as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.[D] 40 mm.	80	Rmt.	148.12	Rupees One Hundred Forty Eight and Paise Twelve Only	11849.6
77	Providing laying and jointing in true line and level 50mm 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 cancelled as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.[E] 50 mm.	150	Rmt.	195.67	Rupees One Hundred Ninety Five and Paise Sixty Seven Only	29350.5
78	Providing and fixing Handle valve of approved brand (B) 25mm dia.,	6	Nos.	383.8	Rupees Three Hundred Eighty Three	2302.8
79	Providing and fixing Handle valve of approved brand (C) 40mm dia.,	16	Nos.	566.61	Rupees Five Hundred Sixty Six and	9065.76
80	Providing and fixing Butterfly valve of IS approved brand (C) 50mm dia.,	4	Nos.	813.56	Rupees Eight Hundred Thirteen and	3254.24
81	Providing and fixing to wall, ceiling and floor galvanised Mild steel tubes (Medium grade) of the following nominal bore, tube fitting and clamps including making good the wall ceiling and floor.(E) 40mm	100	Rmt.	608.35	Rupees Six Hundred Eight and Paise Thirty Five Only	60835
82	Providing, laying and jointing in true line and level 75 diameter U.P.V.C (Type B) conforming to IS 13592-1992 with one end plain and other end socketed with rubber ring, & fittings conforming to ISI 14735-1999 of approved make for drainage system pipe line, pipe shall be jointed with each other with rubber lubricant, pipe shall be fixed on wall using of PVC clamp of the size 110 mm diameter x 149 mm length x 145 mm height at every 2000 mm center to center or shall be concealed in walls as directed including necessary fittings such as bends, shoes etc. including testing of pipes and joints and jointed with adhesive solvent cement including cost of all materials.	80	Rmt.	797.98	Rupees Seven Hundred Ninety Seven and Paise Ninety Eight Only	63838.4
83	Providing and fixing to wall ceiling and floor 10.0 Kg. F/Cm2 working pressure poluthene pipes of the following outside Dia. Low density, complete with special flange compression type fittings, wall clipsetc. including making good the wall ceiling and floor.(A) 110mm dia.	225	Rmt.	339.05	Rupees Three Hundred Thirty Nine and Paise Five Only	76286.25



Item No.	Description of Item	Quantity	Unit	Rate		Total Amount
				in Figures	in words	
1	3	2		4		7
84	Providing, laying and jointing in true line and level 110 diameter U.P.V.C (Type B) conforming to IS 13592-1992 with one end plain and other end socketed with rubber ring, & fittings conforming to ISI 14735-1999 of approved make for drainage system pipe line, pipe shall be jointed with each other with rubber lubricant, pipe shall be fixed on wall using of PVC clamp of the size 110 mm diameter x 149 mm length x 145 mm heigh at every 2000 mm center to center or shall be concealed in walls as directed including necessary fittings such as bends, shoes etc. including testing of pipes and joints and jointed with adhesive solvent cement including cost of all materials.	110	Rmt.	918.67	Rupees Nine Hundred Eighteen and Paise Sixty Seven Only	101053.7
85	Providing, laying and jointing in true line and level 160 diameter U.P.V.C (Type B) conforming to IS 13592-1992 with one end plain and other end socketed with rubber ring, & fittings conforming to ISI 14735-1999 of approved make for drainage system pipe line, pipe shall be jointed with each other with rubber lubricant, pipe shall be fixed on wall using of PVC clamp of the size 160 mm diameter x 210 mm length x 196 mm heigh at every 2000 mm center to center or shall be concealed in walls as directed including necessary fittings such as bends, shoes etc. including testing of pipes and joints and jointed with adhesive solvent cement including cost of all materials.	140	Rmt.	834.38	Rupees Eight Hundred Thirty Four and Paise Thirty Eight Only	116813.2
86	Providing and fixing PVC SWR Nahni trap IS 14735 for drain - 100 mm diameter with jali of the following nominal diameter of self cleansing design with C.I spread down or hinged grating including the cost of cutting and making good the walls.	24	Nos.	614.19	Rupees Six Hundred Fourteen and Paise Nineteen Only	14740.56
87	Providing and fixing screw down quarter turn bib taps of following size (A) Brass chromium plated screw down bib tap (i) 15mm dia.	38	Nos.	186.83	Rupees One Hundred Eighty Six and Paise Eighty Three Only	7099.54
88	Providing and fixing CP brass Quarter turn pillar tap, capstan head screw down high pressure with screw, shanks and back ndts (A) 15 mm dia Long pipe}	14	Nos.	308.73	Rupees Three Hundred Eight and Paise Seventy Three Only	4322.22
89	Providing and fixing wash basin with pedestal of std. Height with single hole for pillar tap with C.I or M.S brackets painted white including cutting cutting holes and making good the same including C.P. brass waste and waste pipes and bottal trap (A) Vitreous China: (ii) Flat Back washbasin 550 mm x 400mm size.In colour.	14	Nos.	2021.01	Rupees Two Thousand Twenty One and Paise One Only	28294.14
90	Provision and fixing water closet squatting orissa type W.C. pan size 580mm integral footrest and 100mm p or s trap and including 25mm dia. C.P. brass flush valve and G.I. inlet connection etc. complet (A) Viterous china long pattern white or colour	4	Nos.	1340.27	Rupees One Thousand Three Hundred Forty and Paise Twenty Seven Only	5361.08
91	Pro. & Fix.wash down water closet (European w. c .pan) with integral" p " or " s " trap and PVC flushing cistern with a pair of C.L.I. Or Mild steel Brackets, complete with fittings such as lead value siphon, 15 mm. Nominal size brass ball valve with polythene float, C.P. Brass handle unions and couplings for connections with inlet, outlet and over flow pipes, 40 mm. dia. flush bend including cutting holes in walls and making good the same connecting the flush bend with cistern and closet etc comp incl plastic sheet cover including jointing trap with pipe in cm 1:1 (a) Viterous china in white or colour	14	Nos.	2333.1	Rupees Two Thousand Three Hundred Thirty Three and Paise Ten Only	32663.4

Item No.	Description of Item	Quantity	Unit	Rate		Total Amount
				in Figures	in words	
1	3	2		4		7
92	Providing and fixing Special Needs Range CRUSE SET, EWC, 710 x 370 x 810 mm, New Cat No: S1021113 S Trap, S1021114 P Trap, S1060106 Cistern, B1520118 Soft Close Seat Cover, B1810112 Twin Flush Fittings, S2040101 Wash Basin 510 x 400 mm, F9030451 Spatula Lever basin mixer, B2210106 Wall mounted Grab bar 600 mm long, B2210106 Wall mounted Grab bar 600mm long, B2210108 Wall mounted Hinged rail 750 x 750 {Cera or equivalent} as directed by Architect Office {SUGAMYA BHARAT Instruction}	1	Nos.	58378	Rupees Fifty Eight Thousand Three Hundred Seventy Eight and Paise Zero Only	58378
93	Providing and fixing urinal of approved quality connecting the urinal with waste pipe, trap etc. complete. (A) White earthenware flat back or corner type size 430mm x 260mm x 350mm.	8	Nos.	1074.86	Rupees One Thousand Seventy Four and Paise Eighty Six Only	8598.88
94	Providing and laying Both side mirror polished Granite marble stone slab 18 mm (Average) thick of approved quality moulded round front edge fixed in wall for partition and jointed with grey cement slurry including rubbing and polishing complete	5.4	sqm	1674.58	Rupees One Thousand Six Hundred Seventy Four and Paise Fifty Eight Only	9042.732
95	Providing erecting and fixing double coated PVC. (ISI) water tank of required capacity each with all necessary fittings and connection etc. complete on terrace.	21000	Litre	3.95	Rupees Three and Paise Ninety Five Only	82950
96	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 wooden plug with C.P. brass screws and washers.	14	No.	859.41	Rupees Eight Hundred Fifty Nine and Paise Forty One Only	12031.74
97	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.	14	No.	616.42	Rupees Six Hundred Sixteen and Paise Forty Two Only	8629.88
98	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 of R type	10	No.	1246.92	Rupees One Thousand Two Hundred Forty Six and Paise Ninety Two Only	12469.2
99	Providing and fixing CP brass screw down stop cock of approved quality 15mm size with adjustable wall flange..	36	No.	205.83	Rupees Two Hundred Five and Paise Eighty Three Only	7409.88
100	Constructing brick masonry chamber for underground C.I. Inspection chamber and bends with bricks having crushing strength not less than 35Kg. Cm <sup>2</sup> in C.M. 1:5 C.I. cover with frame (Light duty) 455mm x 610mm internal 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 slab 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.	10	No.	2932.93	Rupees Two Thousand Nine Hundred Thirty Two and Paise Ninety Three Only	29329.3
101	Constructing brick masonry chamber for underground C.I. Inspection chamber and bends with bricks having crushing strength not less than 35Kg. Cm <sup>2</sup> in C.M. 1:5 C.I. cover with frame (Light duty) 455mm x 610mm internal 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 slab 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.(ii) Inside dimensions 500mm x 700 mm and 450mm deep for pipe line with one or two inlets.	15	No.	3660.76	Rupees Three Thousand Six Hundred Sixty and Paise Seventy Six Only	54911.4

Item No.	Description of Item	Quantity	Unit	Rate		Total Amount
				in Figures	in words	
1	3	2		4		7
102	Constructing brick masonry chamber for underground C.I. Inspection chamber and bends with bricks having crushing strength not less than 35Kg. Cm <sup>2</sup> in C.M. 1:5 C.I. cover with frame (Light duty) 455mm x 610mm internal 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 slab 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.(iii) Inside dimensions 600mm x 850mm and 450mm deep for pipe lines with three or more inlets	5	No.	7180.44	Rupees Seven Thousand One Hundred Eighty and Paise Forty Four Only	35902.2
103	Providing and filling screened of burnt coal cinder including and consolidation etc. complete.	11	Cum.	629.48	Rupees Six Hundred Twenty Nine and Paise Forty Eight Only	6924.28
104	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	2450	Sqm	121.96	Rupees One Hundred Twenty One and Paise Ninety Six Only	298802
105	Providing thoruting or plaster drip and moulding to R.C.C. chhajja.	54	Rmt.	45.1	Rupees Forty Five and Paise Ten Only	2435.4
106	Providing 12mm wide groove throating / notch in plaster including finishing the same etc. complete for all height.	572	Rmt.	15.15	Rupees Fifteen and Paise Fifteen Only	8665.8
107	Constructing Sandwich Platform of 18 mm thick Polished Black Granite at top and 25 mm thick Kota stone slab using cement mortar 1:3 for sandwich and fitting at bottom & edges with waterproof rigid adhesives including macking necessary grooves in walls with Vertical Kotastone 30 mm x 2 No sandwich thick every 60 cm centre to centre including all labour material of approved quality incl. full moulded round front edge fixed in wall for partition and jointed with grey cement slurry including rubbing and polishing etc. complete	6	Sqm	3111.81	Rupees Three Thousand One Hundred Eleven and Paise Eighty One Only	18670.86
108	Providing and fixing in position 300mm high , 150mm wide englsih letter made from 1.0mm thick stainless steel sheet as directed by engineer in charge with all necessary tolls & plants etc. complete.	30	No.	707	Rupees Seven Hundred Seven and Paise Zero Only	21210
109	Providing and fixing in position 150mm high , Englsih letter made from 1.0mm thick stainless steel sheet as directed by engineer in charge with all necessary tolls & plants etc. complete.	100	No.	404	Rupees Four Hundred Four and Paise Zero Only	40400
110	Providing water proofing agent for RCC ( Perma - plast SL for M-25 Concrete) as per Approved quality of ASTM C494 conforming IS 9103-2007 & 2645-2003.	78	Kgs.	101	Rupees One Hundred One and Paise Zero Only	7878
111	Providing water proofing agent for Plastering ( Perma Grout - 500) ( Only Wall Qty.	48	Kgs.	110.09	Rupees One Hundred Ten and Paise	5284.32
112	Providing perma bitu coat for foundation ( Water proofing agent as well as antitermite treatment for footing and columns,	143	Kgs.	244.42	Rupees Two Hundred Forty Four and Paise Forty Two Only	34952.06
113	Providing & laying cement concrete 1:4:8 (1 Cement : 4 Coarse sand : graded B.T. stone aggregate 40mm nominal size) Curing comp. including cost of form work in foundation and plinth	31	Cum.	2689.38	Rupees Two Thousand Six Hundred Eighty Nine and Paise Thirty Eight Only	83370.78
114	Providing and laying controlled cement concrete M-250 and curing complete including the cost of form work but excluding the cost of reinforcement concrete work in Foundation footing bases of column.	41	Cum.	4933.85	Rupees Four Thousand Nine Hundred Thirty Three and Paise Eighty Five Only	202287.85
115	Providing and laying ordinary cement concrete M200 using B.T. stone aggregate for R.C.C. coping curing etc. complete including the cost of form work but excluding the cost of reinforcement.	14	Cum.	5905.04	Rupees Five Thousand Nine Hundred Five and Paise Four Only	82670.56

Item No.	Description of Item	Quantity	Unit	Rate		Total Amount
				in Figures	in words	
1	3	2		4		7
116	Providing 15mm thick cement plaster in single coat on fair side of bricks/ concrete wall for interior plastering upto floor two level finished even and smooth in cement mortar 1:4 ( 1 cement :4 sand ) etc. complete.	927	Sqm.	220.51	Rupees Two Hundred Twenty and Paise Fifty One Only	204412.77
117	Providing and fixing M.S.Compund gate of required pattern to fix on wall as per given detailed drawing using M.S. flats, M.S. Square bars, Cast iron decorative pattern and fixing with necessary required nuts, bolts and welding works etc. comp. ( B) Ornamental	540	Kgs.	170.62	Rupees One Hundred Seventy and Paise Sixty Two Only	92134.8
118	Providing and fixing M.S. grill of required pattern to wooden frame of windows etc. with M.S. flats of required spacing in frames alround square or round bars with round headed bolts and nuts or by screws of windows or clearstory windows ( A ) Plain grill	432	Kgs.	114.44	Rupees One Hundred Fourteen and Paise Forty Four Only	49438.08
119	Painting two coats including priming coat on new steel and other meatl surfaces with enemal paint brushing interior to give an even shade including cleaning the surface of all dirt, dust and other foreign matter.	33	Sqm.	134.73	Rupees One Hundred Thirty Four and Paise Seventy Three Only	4446.09
120	Providing and fixing mild steel door with 40 x 40 x 6 mm angle for frame and for shutter frame 30 x 30 x 3 angle. For windows frame of angle 35 x 35 x 5 & for shutter windows 25 x25 x 3 mm size angle and 18 gauge sheet for panels & 10 mm dia bars at 10 cm c/c for grill and 40 x 6 mm flats on edge of shutter, & 20 x 6 mm binding patti, including one coat of primer and two coats of oil painting etc. comp. as per detail / as directed by Engineer in charge.	200	Kgs.	119.89	Rupees One Hundred Nineteen and Paise Eighty Nine Only	23978
121	Providing and laying hand dressed polished blue Kota stone slab flooring over 20mm (Average) thick base of cement mortar 1:6 (1-cement : 6-coarse sand) or L.M. 1.1.5 laid over and jointed with grey cement slurry including rubbing and semi miror polishing with emery No. 600 etc. complete. (A) 25mm thick	11	Sqm.	1019.39	Rupees One Thousand Nineteen and Paise Thirty Nine Only	11213.29
122	Distempeing (Three coats) with oil bound washable distemper of approved brand and manufacture and of required shade on wall surfaces to give an even shade, over and including a priming coat with alkali resistance primer of approved brand after thoroughly brushing the surface and other foreign matter and also including preparing the surface even and sand parpered smooth.	61	Sqm.	110.62	Rupees One Hundred Ten and Paise Sixty Two Only	6747.82
123	Providing cement vata (10cm. x 10 cm. size) quarter round in cement mortar 1:1 including neat cement finishing, watering etc. complete.	19	Rmt.	24.28	Rupees Twenty Four and Paise Twenty Eight Only	461.32
124	Providing and fixing C.I. Manhole cover 0.60 M. x 0.45M. size having weight not less than 35Kg.	5	No.	958.17	Rupees Nine Hundred Fifty Eight and Paise Seventeen Only	4790.85
125	Box cutting the road surface to proper slope and chamber for making a base for road work including removing the excavated stuff and depositing on the road side slope as directed up to 50 mts. Lead.	467	Cum.	114.44	Rupees One Hundred Fourteen and Paise Forty Four Only	53443.48
126	Supplying and laying, spreading and compacting coarse clean sharp specified sand (C.B.R. not less than 10%) below sub base course including carraige of material spreading in uniform layers manually on prepared base and compacted with power roller to achieve desired density including all materials, labours etc. complete. and spreading coarse clean sand as directed.	134	Cum.	537.32	Rupees Five Hundred Thirty Seven and Paise Thirty Two Only	72000.88

Item No.	Description of Item	Quantity	Unit	Rate		Total Amount
				in Figures	in words	
1	3	2		4		7
127	Providing and laying wet mix macadam (W.M.M.) using machine crushed black trap aggregate of 40 to 50 mm size in the material with water OMC in mechanically mix (pug mill) carriage of mix material by contractors own tipper to site of work including laying, spreading and compacting in sub base, base course on well prepared under base of compacting as per MOST Specification to achieve the desired density (Mechanically laid)	200	Cum.	1488.74	Rupees One Thousand Four Hundred Eighty Eight and Paise Seventy Four Only	297748
128	Providing and laying controlled cement concrete M.250 and curing complete including the cost of formwork and reinforcement for reinforced concrete work in(A) Foundations, footings, Base of columns and Mass concrete	267	Cum.	4292.5	Rupees Four Thousand Two Hundred Ninety Two and Paise Fifty Only	1146097.5
129	Compaction and finishing of cement concrete road by tremix process, providing extra labour charge for tremix ( Vacuum dewatering service ) process on cement concrete road surface by using vaccum dewatering pump floater surface vibrator including making groove 5mm width and filling with polyvynile polymer and rough finish to surface as per instruction including leveling etc. complete.	1199	Sqm.	85.85	Rupees Eighty Five and Paise Eighty Five Only	102934.15
130	Providing and fixing junction board of M.S.plates and angles as per standered IRC design including fixing in C.C. 1:4:8 with necessary excavation , painting, figuring and lettering on board etc. comp.	2	No.	5236.7	Rupees Five Thousand Two Hundred Thirty Six and Paise Seventy Only	10473.4
131	Providing and laying cememt concrete 1:2:4 ( 1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size ) and curing complete excluding cost of form work in (a) foundation and plinth.	9.2	Cum,	3572.87	Rupees Three Thousand Five Hundred Seventy Two and Paise Eighty Seven Only	32870.404
132	Providing and fixing 72 x 72 x 3.2mm thick M.S. pipe parking shed post & Rafter , MS 50 x 50 x2mm pipe purlines with necessary M.S. plate 8mm hick including cutting , bending , grinding , welding , drilling for nut bolts including painting two coats of oil painting over primer coat etc. complete.	79.6	Qtls.	9108.48	Rupees Nine Thousand One Hundred Eight and Paise Forty Eight Only	725035.008
133	Providing and fixing 6mm thick polycarbonate multi wall roofing sheet fixed with hilti screw and rubber silicon sealer and alluminium strip of size 50x 3 mm etc complete as directed by engineer in charge	320	Sqm.	1441.9	Rupees One Thousand Four Hundred Forty One and Paise Ninety Only	461408
134	Providing water harvesting pit 2.40 mt dia x 2.40 mt depth with excavation in any strata filling the pit with brick bats in 0.60 mt depth, 0.30 mt with 25mm to 40mm kapchi 0.30 mt with 10mm to 20mm kapchi & 2.00 mm depth with coarse sand in layer including maing the lines (PVC) for water inlet etc. as directed including 250mm dia bore work with 6" PVC" pipe upto 35mt etc, comp.	2	No.	62559.4	Rupees Sixty Two Thousand Five Hundred Fifty Nine and Paise Forty Only	125118.8
135	Plantation of trees in soil including digging 45 x 45 x 45cm size pits, preparing soil providing and mixing fertilizer, watering, planting and filling the pits as per direction including etc. complete	50	No.	40.4	Rupees Forty and Paise Forty Only	2020
136	Providing Tree Plants having minimum 1.00mt. Height and healthy growwth of various kinds as like Peltiform, Palm,Gulmahore, Karanj, Amla, Rain tree, Saptparni, Cherry, Cryjeliya, Spethodiya, Paras Pipala, Garmalo, Neem, Borsalli, Kadam, Buch, Chanpo, Asopalav etc. as per instruction by engineer in charge.	50	No.	25.25	Rupees Twenty Five and Paise Twenty Five Only	1262.5
137	Providing and erecting open well type horizontal monoblock pumpset with C.I. body having following specification. (i) 1H.P. Single phase open well motor pumpset suitable for 145lpm ( ii) Suitable for 32 dia delivery pipe with control panel & 10mtr. Long	1	No.	11342.3	Rupees Eleven Thousand Three Hundred Forty Two and Paise Thirty Only	11342.3
138	Providing and fixing Drip Irrigation system of approved brand for Plantation including fixing with water supply line and planations per drawing and requirement	0	0	0	Rupees Zero and Paise Zero Only	0

Item No.	Description of Item	Quantity	Unit	Rate		Total Amount
				in Figures	in words	
1	3	2		4		7
138(a)	Screen Filter 7000 ltr capacity per hr	1	No.	1464.5	Rupees One Thousand Four Hundred	1464.5
138(b)	Pressure Gauge	1	No.	313.1	Rupees Three Hundred Thirteen and	313.1
138(c)	Bypass Assembly	1	No.	1818	Rupees One Thousand Eight	1818
138(d)	32 dia Control Valve	1	No.	323.2	Rupees Three Hundred Twenty Three	323.2
138(e)	16mm internal HDPE pipe 2.5Kg. Including fitting	260	Rmt.	8.89	Rupees Eight and Paise Eighty Nine	2311.4
139	Providing and fixing gun metal check or non return fullway controll wheel valve 50mm dia.	3	No.	1111	Rupees One Thousand One Hundred Eleven and Paise Zero Only	3333
140	Providing and laying in trenches 10.0kg./f/ Sqcm working pressure PVC pipes for water sully line of the follwing outside dia having white colour complete with necessary fittings clamps etc. (B) 50mm	200	Rmt.	192.02	Rupees One Hundred Ninety Two and Paise Two Only	38404
141	Providing and laying in trenches 10.0kg./f/ Sqcm working pressure PVC pipes for water sully line of the follwing outside dia having white colour complete with necessary fittings clamps etc. (A) 32mm	100	Rmt.	126.47	Rupees One Hundred Twenty Six and Paise Forty Seven Only	12647
142	Painting two coats (including priming coat) on new steel and other metal surface with enamel paint, brushing interior to give an even shade including cleaning surface of all dirt, dust and other foreing matter.	286	Sqm.	134.73	Rupees One Hundred Thirty Four and Paise Seventy Three Only	38532.78
143	Filling in Garden with selected soil in layers of 20 cm. thickness includind watering, ramming and consolidating etc. comp.	298	Cum.	258.56	Rupees Two Hundred Fifty Eight and Paise Fifty Six Only	77050.88
144	Planting of lawn of approved quality at 15 cms diagonally, maintenance of the lown till virtual completion of soft landscape work : removal of all thatching through out the area: along with appropriate use of termite and of weedixite as red when required and grassing lawn.	994.25	Sqm.	50.5	Rupees Fifty and Paise Fifty Only	50209.625
145	Earth work for embankmen tincluding breaking clods, dressing with all lead and lift (including watering and consolidation) including rolling of earth work in layers with power roller including filling indepressions which occur during the process. (D) From Borrow area within 2.0 Km. lead	4986	Cum.	194.9	Rupees One Hundred Ninety Four and Paise Ninety Only	971771.4
146	Drilling of 215mm dia. Bore in over burden strata (0-30) including lowering and fixing of 175 mm nominal dia UPVC pipe/175 mm dia ERW pipe upto required depth and further drilling of 165mm dia bore hole in rocky strata by DTH rig..	150	Rmt.	428.24	Rupees Four Hundred Twenty Eight and Paise Twenty Four Only	64236
147	Providing and lowering 175 mm dia PVC 6 kg / sqcm. Casing pipe in bore hole with necessary fitting etc. complete.	18	Rmt.	915.06	Rupees Nine Hundred Fifteen and Paise Six Only	16471.08
148	Providing and fixing M.S. Cap plug hinge type with frame of required design for 175 mm dia bore casing pipe	1	No.	782.57	Rupees Seven Hundred Eighty Two and Paise Fifty Seven Only	782.57
149	Supplying of submersible pump set Three phase for 100 mm or more dia bore having motor capacity and discharge as under with necessary panel box motor ratting 5 H.P. pump having capacity of 30 LPM at 90 mt. Head suitable for 32 mm dia delivery pipe Cat. II	2	Set	26894.28	Rupees Twenty Six Thousand Eight Hundred Ninety Four and Paise Twenty Eight Only	53788.56
150	Supplying and erecting submersible horizontal & vertical pump set following discharge& head 5 H.P. 3 Phase 400/ 440 VA.C. motor with following Cat. III section and discharge flange size (C) 405 LPM at 30 mtr. head with size 50 mm cat. II.	2	Set	18746.61	Rupees Eighteen Thousand Seven Hundred Forty Six and Paise Sixty One Only	37493.22

Item No.	Description of Item	Quantity	Unit	Rate		Total Amount
				in Figures	in words	
1	3	2		4		7
151	Supplying & erecting approved make motor control cubical panel ( Direct-on - line ) made from 16 G. CRCA sheet duly epoxy powder coated in side and out side with hinged doors and locking arrangement consisting of suitable size of on-off isolator ( A.C. 3123 duty) main fuses single phasing prevented in dictating lamps for R-Y-B phases over load relay ammeter voltmeter each with two way selector switch incoming wires duly socket crimped main connector & over load, relay start stop push button the isolator over load relay and contactor will be of L & T , siemens cutler hammer make only (A) D.O.L. 5.0 H.P.	1	No	7722.46	Rupees Seven Thousand Seven Hundred Twenty Two and Paise Forty Six Only	7722.46
152	Supplying & erecting approved make motor control cubical panel ( Direct-on - line ) made from 16 G. CRCA sheet duly epoxy powder coated in side and out side with hinged doors and locking arrangement consisting of suitable size of on-off isolator ( A.C. 3123 duty) main fuses single phasing prevented in dictating lamps for R-Y-B phases over load relay ammeter voltmeter each with two way selector switch incoming wires duly socket crimped main connector & over load, relay start stop push button the isolator over load relay and contactor will be of L & T , siemens cutler hammer make only D.O.L. for 7.50 H.P.	1	No	8710.24	Rupees Eight Thousand Seven Hundred Ten and Paise Twenty Four Only	8710.24
153	Lowering of submersible motor pump set complete with required nos. and size of casing pipes erected by means of proper chian pully block & pipe wrenches after checking of threades of each pipe with coupline take the load of the pump set and pipe assembly fitted up with water (1) above 90 mt. and 120 mt.	1	Job	2996.67	Rupees Two Thousand Nine Hundred Ninety Six and Paise Sixty Seven Only	2996.67
154	Providing and erecting PVC insulated flat flexible cable ISI. Marked approved make of (B) 3 core X 2.50 sqmm.	200	Rmt.	104.03	Rupees One Hundred Four and Paise Three Only	20806
155	Providing and fixing H.D.P.E. PVC Column pipe heavy duty length and thread on both the ends with 8TPI or 11TPI as required as directed ( a) 40 mm dia	120	Rmt.	151.5	Rupees One Hundred Fifty One and Paise Fifty Only	18180
156	Heavy duty clamp made from 4" x 1.5 " iron strips suitable for column pipe 1.5 to 2" length (A) 50 mm (1.5") dia pipe.	1	No.	179.78	Rupees One Hundred Seventy Nine and Paise Seventy Eight Only	179.78
157	Providing and fixing window having extruded aluminum Colour anodized 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.	3	Sqm.	1713.7	Rupees One Thousand Seven Hundred Thirteen and Paise Seventy Only	5141.1
158	Providing and fixing M.S.Pipe Flage post of required pattern & Drawing required diferance dia M.S. pipe and pulley with two coats of Oil paints with primer coats etc. complete.	110	Kgs.	151.5	Rupees One Hundred Fifty One and Paise Fifty Only	16665
<b>ELECTRIC</b>						

Item No.	Description of Item	Quantity	Unit	Rate		Total Amount
				in Figures	in words	
1	3	2		4		7
159	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.(f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete Cat.III	183	Pts.	485.81	Rupees Four Hundred Eighty Five and Paise Eighty One Only	88903.23
160	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.(f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete Cat. III	70	Pts.	674.68	Rupees Six Hundred Seventy Four and Paise Sixty Eight Only	47227.6
161	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 accessories Cat. III	61	Pts.	257.55	Rupees Two Hundred Fifty Seven and Paise Fifty Five Only	15710.55
168	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.					
168(a)	(3) Two Pin/RJ-11 Telephone Socket [A] For One Gang Cat.III	19	Nos.	160.59	Rupees One Hundred Sixty and	3051.21
168(b)	(7) Blank Plate Single Cat.III	50	Nos.	25.25	Rupees Twenty Five and Paise	1262.5
168(c)	(8) Computer RJ-45 socket Cat.III	54	Nos.	160.59	Rupees One Hundred Sixty and	8671.86
168(d)	(9) 16 Amp. SP one way switch Cat.III	28	Nos.	180.79	Rupees One Hundred Eighty and	5062.12
168(e)	(10) 6/16Amp. Universal socket Cat.III	28	Nos.	199.98	Rupees One Hundred Ninety Nine	5599.44
169	Providing and erecting ISI mark Medium class RIGID PVC PIPES 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					
169(a)	(a)20 mm	584	Mtr.	24.24	Rupees Twenty Four and Paise	14156.16
169(b)	(b) 25 mm	150	Mtr.	33.33	Rupees Thirty Three and Paise Thirty	4999.5
170	Providing & erecting PVC Corrugated Flexible Conduit with required nos. of coupling, PVC bushes, Check-nuts etc. complete of following sizes.(2) 25 mm	15	Mtr.	21.21	Rupees Twenty One and Paise Twenty One Only	318.15
171	Supplying and laying UPVC cable trunking system comprising unplasticised polyvinyl, chloride rigid material with ignition free and flame proof confirming BS with necessary end caps Internal and external bend, flat bends, coupler, tee etc..All necessary accessories and measuring of following sizes(2) 100 mm x 50 mm trunking	20	Mtr.	428.24	Rupees Four Hundred Twenty Eight and Paise Twenty Four Only	8564.8



Item No.	Description of Item	Quantity	Unit	Rate		Total Amount
				in Figures	in words	
1	3	2		4		7
172	Supplying under floor pregalvanised corrosion proof rectangular sheet steel cable trunking of 1.6 mm thick having with stand point load up to 1.33 Ton & free from seepage of concrete of screed water with all accessories, Junction Box, Joints as required and demanded by engineer-in-charge and laying/erecting as per OEM guidelines and as per instruction of engineer incharge having following size of dimensions and No of compartments (W x D x T) Cat-III [3] 100mm x 25mm x 1.6 mm with one compartment	70	Mtr.	458.54	Rupees Four Hundred Fifty Eight and Paise Fifty Four Only	32097.8
173	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(A) With medium class Rigid PVC pipe and accessories (b) 2 wire 2.5 sq. mm	1716	Mtr.	82.82	Rupees Eighty Two and Paise Eighty Two Only	142119.12
174	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 (A) with medium class Rigid PVC pipe and accessories					
174(a)	(a) 2 wire 4 sq. mm	225	Mtr.	112.11	Rupees One Hundred Twelve and	25224.75
174(b)	(b) 2 wire 6 sq. mm	400	Mtr.	147.46	Rupees One Hundred Forty Seven	58984
174(c)	(i) 4 wire 10 sq. mm (use earth wire of 4 sq.mm )	30	Mtr.	425.21	Rupees Four Hundred Twenty Five	12756.3
175	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.					
175(a)	(f) One wire 10.00 sq. mm	12	Mtr.	91.91	Rupees Ninety One and Paise Ninety	1102.92
175(b)	(k) One wire 70.00 sq. mm	20	Mtr.	669.63	Rupees Six Hundred Sixty Nine and	13392.6
176	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	92	Mtr.	46.46	Rupees Forty Six and Paise Forty Six Only	4274.32
177	Supplying & erecting approved make LAN cable of following size in existing pipe as per direction[C] CAT - 6	1375	Mtr.	47.47	Rupees Forty Seven and Paise Forty Seven Only	65271.25
178	Supplying & erecting approved make Telephone Cable electrolytic copper conductor PE insulation twisted in two pairs, & wrapped with FRLS PVC tape & sheathed with FRLS PVC or HFFR outer Jacket suitable for telephone wiring & confirming to C-DOT erected in existing pipe. of following size of conductors & nos.of pairs. With necessary connections.					
178(a)	[A] Conductor Size 0.5 mm (a) Unarmoured (2) Two Pairs	570	Mtr.	20.2	Rupees Twenty and Paise Twenty	11514
178(b)	5) Ten Pairs	50	Mtr.	65.65	Rupees Sixty Five and Paise Sixty	3282.5
179	Providing & erecting main Distribution (MDF) indoor type, back mounted frame as per DoT standard approved with krone strips					
179(a)	(a) Suitable for 10 pair	2	Nos.	994.85	Rupees Nine Hundred Ninety Four	1989.7

Item No.	Description of Item	Quantity	Unit	Rate		Total Amount
				in Figures	in words	
1	3	2		4		7
180	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 Type AccessoriesCat. III	54	Nos.	1133.22	Rupees One Thousand One Hundred Thirty Three and Paise Twenty Two Only	61193.88
181	Decorative call bell Ting-tong box type 250 volts complete erected	8	Nos.	71.71	Rupees Seventy One and Paise	573.68
182	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 (iii) 10 to 15 watts Cat.III	29	Nos.	188.87	Rupees One Hundred Eighty Eight and Paise Eighty Seven Only	5477.23
183	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 (iv) 22-24 Watts, Surge - 2KV,IP-20, conventional 4 feet Cat.III	108	Nos.	373.7	Rupees Three Hundred Seventy Three and Paise Seventy Only	40359.6
184	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 0.95, 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.)					
184(a)	(B) LED Panel Light with provision for Plane front frame with translucent cover fixed to housing complete.IP20(v) 24 watts, 12" x 12" , Surge-2 KV Cat.III	4	Nos.	724.17	Rupees Seven Hundred Twenty Four and Paise Seventeen Only	2896.68
184(b)	(vi) 36 watts, 24" x 24", Surge- 2KV Cat.III	20	Nos.	1794.77	Rupees One Thousand Seven	35895.4

Item No.	Description of Item	Quantity	Unit	Rate		Total Amount
				in Figures	in words	
1	3	2		4		7
185	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.)					
185(a)	(A) Street Light (IP-65), Surge protection -4KV integral and ,Light must have 440VAC line supply with over-voltage protection. (ii) above 48 to 60 Watts Cat.III	22	Nos.	4997.48	Rupees Four Thousand Nine Hundred Ninety Seven and Paise Forty Eight	109944.56
185(b)	(B) Flood Light (IP-65), Surge protection -4KV integral and ,Light must have 440VAC line supply with over-voltage protection. (iv) above 90 to 120 watts Cat.III	8	Nos.	7266.95	Rupees Seven Thousand Two Hundred Sixty Six and Paise Ninety	58135.6
185(c)	Supplying & erecting approved make Four Pole 415V change over switch interior for panel mounting with operating mechanism A.C.23 duty confirming to IS for(E)250A / 320ACat.III	1	Nos.	13353.21	Rupees Thirteen Thousand Three Hundred Fifty Three and Paise Twenty One Only	13353.21
185(d)	(A)32-40A Cat.III For Motor Pump Panel	1	Nos.	2611.86	Rupees Two Thousand Six Hundred	2611.86
186	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	6	Nos.	6173.12	Rupees Six Thousand One Hundred Seventy Three and Paise Twelve Only	37038.72
187	Providing and erecting Approved make Four pole moulded case circuit breaker having breaking capacity ICU of 35 KA. at 415 V. having normal current rating 125A. 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	2	Nos.	8058.79	Rupees Eight Thousand Fifty Eight and Paise Seventy Nine Only	16117.58
188	Providing and erecting Approved make Four pole moulded case circuit breaker having breaking capacity ICU of 35 KA. at 415 V. having Normal current rating 200A.with variable 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	2	Nos.	16221.61	Rupees Sixteen Thousand Two Hundred Twenty One and Paise Sixty One Only	32443.22
189	Providing and erecting Approved make Four pole moulded case circuit breaker having breaking capacity ICU of 35 KA. and above at 415 V . having normal current rating 250A. with variable 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	1	Nos.	20946.39	Rupees Twenty Thousand Nine Hundred Forty Six and Paise Thirty Nine Only	20946.39
190	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.					

Item No.	Description of Item	Quantity	Unit	Rate		Total Amount
				in Figures	in words	
1	3	2		4		7
190(a)	(A) Suitable for 100 Amp. Capacity	0.6	Rn.Mt r	1961.42	Rupees One Thousand Nine Hundred Sixty One and Paise Forty Two Only	1176.852
190(b)	(B) Suitable for 200 Amp. capacity	0.6	Rn.Mt r	3202.71	Rupees Three Thousand Two Hundred Two and Paise Seventy One	1921.626
190(c)	(C) Suitable for 300 Amp. capacity	1	Rn.Mt r	4909.61	Rupees Four Thousand Nine Hundred Nine and Paise Sixty One Only	4909.61
191	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	148	Nos.	112.11	Rupees One Hundred Twelve and Paise Eleven Only	16592.28
192	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	12	Nos.	299.97	Rupees Two Hundred Ninety Nine and Paise Ninety Seven Only	3599.64
193	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 (B) 40 Amp. Cat.III	18	Nos.	295.93	Rupees Two Hundred Ninety Five and Paise Ninety Three Only	5326.74
194	Providing & erecting 415 V MCB Four Pole for Motor & Inductive Load (C Curve) having 10KA breaking capacity & confirms to IS :8828 in existing box having following capacity (b)40 Amp.	11	Nos.	668.62	Rupees Six Hundred Sixty Eight and Paise Sixty Two Only	7354.82
195	(c)63 Amp. Cat.III	2	Nos.	737.3	Rupees Seven Hundred Thirty Seven	1474.6
196	Plastic enclosure fitted with DIN rail suitable for incorporating One / Two nos. MCB	22	Nos.	52.52	Rupees Fifty Two and Paise Fifty Two	1155.44
197	Supplying KITKAT pattern porcelain cut-out fuse with base of following current capacity erected on existing block board.(vi) 200 A. 500 V.	3	Nos.	420.16	Rupees Four Hundred Twenty and Paise Sixteen Only	1260.48
198	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(A) single phase incoming and horizontal single phase outgoing (b) sheet steel double door (IP-43)					
198(a)	(i)4 way	1	Nos.	629.23	Rupees Six Hundred Twenty Nine and	629.23
198(b)	(iii)8 way	10	Nos.	1152.41	Rupees One Thousand One Hundred	11524.1
198(c)	(iv)12 way	6	Nos.	1492.78	Rupees One Thousand Four Hundred	8956.68
198(d)	(B) three phase incoming and single phase horizontal type outgoing Per phase isolation type (PPI)(b) sheet steel double door(ii)6 way	1	Nos.	2913.85	Rupees Two Thousand Nine Hundred Thirteen and Paise Eighty Five Only	2913.85
199	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 (ii) 40Amps. DP Cat. III	19	Nos.	2235.13	Rupees Two Thousand Two Hundred Thirty Five and Paise Thirteen Only	42467.47

Item No.	Description of Item	Quantity	Unit	Rate		Total Amount
				in Figures	in words	
1	3	2		4		7
200	Supplying & erecting approved make Electronics Starter and relay for air conditioners in ABS plastic moulded housing. Company fabricated with bakelite terminal for connection with silver coating bimetallic contact in switching device for o/p with following features. (1) Low Voltage Protection below 130 V (2) High Voltage protection above 270 V (3) Overload protection for 2-5, 4-10, 8-14, 10-16, 14-22 Amp. (inverse time chara-) (4) Indicating LEDs for AC on LV, HV, O/L, T/D (5) With unique feature of 3 minute of time delay	6	Nos.	886.78	Rupees Eight Hundred Eighty Six and Paise Seventy Eight Only	5320.68
201	Providing and erecting metallic vitrified danger notice board as per language suggested by engineer incharge for MEDIUM VOLTAGE installation to be erected as per IS-2551.	4	Nos.	69.69	Rupees Sixty Nine and Paise Sixty Nine Only	278.76
202	Providing and erecting Annealed bare Copper wire 8 to 16 SWG.	10	Kg.	794.87	Rupees Seven Hundred Ninety Four	7948.7
203	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.	11	Nos.	368.65	Rupees Three Hundred Sixty Eight and Paise Sixty Five Only	4055.15
204	For using salt and charcoal / coke as required for pipe type earthing.	11	Nos.	171.7	Rupees One Hundred Seventy One	1888.7
205	Supplying & erecting earth pit of minimum bore dia.150mm size approved make 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 50mm having 80-200 Micron galvanising, Inner pipe dia of 25 mm having 200-250 Micron galvanising, connection terminal dia of 12mm 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. (A)(approved make OEM has to submit test certificate including value of earth resistance of installation duly stamped and signed by agency and officer Incharge has to ensure the value of earthing resistane mentioned in test Certificate) & having back filling compound of (B) Inner chemical (CCM Compound)- Resistivity:- 0.2 ohm / meter testing as per IEC 62561-2017, Voltage drop:- < 1 volt at no load & dry form, Sulphar content:- <2%(C) Back fill Compound :- Earthing compound should be capable to retain moisture for long time Necessary test report must be submitted by Agency.	4	Nos.	4591.46	Rupees Four Thousand Five Hundred Ninety One and Paise Forty Six Only	18365.84
	(a) For Electrical Installation up to 440V in normal soil Length of pipe - 1 Mtr Back filling compound - 1 Nos Bag of 15 Kg.					

Item No.	Description of Item	Quantity	Unit	Rate		Total Amount
				in Figures	in words	
1	3	2		4		7
206	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 accesories , 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.					
206	(A) locally fabricated panel board (i) with 350 mm depth	5	Sq.Mt r	10468.65	Rupees Ten Thousand Four Hundred Sixty Eight and Paise Sixty Five Only	52343.25
207	Providing , erecting , fabricating the M.S. structure as per requirement on site incorporating proper size of M.S. angles,square,round, flats, bars, channels, sections complete with cutting, welding, grinding & finishing duly painted with one coat of red oxide with erection on site as per direction of engineer in charge with necessary grouting, cementing, plastering & finishing complete.	30	Kgs.	77.77	Rupees Seventy Seven and Paise Seventy Seven Only	2333.1
208	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	0	0	0	Rupees Zero and Paise Zero Only	0
208(a)	(D) 3 1/2 core 70 Sq. mm ( 35 Sq. mm 1/2 core)	20	Mtr.	378.75	Rupees Three Hundred Seventy Eight	7575
208(b)	(E) 3 1/2 core 95 Sq. mm ( 50 Sq. mm 1/2 core)	95	Mtr.	490.86	Rupees Four Hundred Ninety and	46631.7
209	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	330	Mtr.	126.25	Rupees One Hundred Twenty Six and Paise Twenty Five Only	41662.5
210	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.	210	Mtr.	55.55	Rupees Fifty Five and Paise Fifty Five Only	11665.5
211	Drilling the road without breaking the road surface (Asphalt) for laying of cable for feeding power supply by making up to following size of holes at both ends complete.(A) Up to 100 mm bore dia	10	Mtr.	492.88	Rupees Four Hundred Ninety Two and Paise Eighty Eight Only	4928.8
212	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	200	Mtr.	62.62	Rupees Sixty Two and Paise Sixty Two Only	12524
212 (a)	(C))90 mm outer dia	20	Mtr.	95.95	Rupees Ninety Five and Paise Ninety	1919

Item No.	Description of Item	Quantity	Unit	Rate		Total Amount
				in Figures	in words	
1	3	2		4		7
213	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	36	Nos.	38.38	Rupees Thirty Eight and Paise Thirty Eight Only	1381.68
214	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.	0	0	0	Rupees Zero and Paise Zero Only	0
214(a)	(C) 3 & 1/2 core 70 Sq. mm	2	Nos.	103.02	Rupees One Hundred Three and	206.04
214(b)	(D) 3 & 1/2 core 95 Sq. mm	4	Nos.	131.3	Rupees One Hundred Thirty One and	525.2
215	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.	0	0	0	Rupees Zero and Paise Zero Only	0
215(a)	(A) 1.5/ 2.5/4/6 Sq.mm	144	Nos.	6.06	Rupees Six and Paise Six Only	872.64
215(b)	(D) 35/50 Sq.mm.	10	Nos.	20.2	Rupees Twenty and Paise Twenty	202
215(c)	(E) 70 Sq.mm.	6	Nos.	25.25	Rupees Twenty Five and Paise	151.5
215(d)	(F) 95 Sq.mm.	12	Nos.	40.4	Rupees Forty and Paise Forty Only	484.8
216	Providing & erecting Approved make Power Saving 50 Watt Ceiling Fan with double ball bearing ISI mark with Condenser 230 volt A.C. 50 Hz 1200 mm sweep complete having 3blades with aluminium blades with , canopy & 30 cm. down rod erected with earthing.(Make shall be approved by Engineer in charge))	71	Nos.	1948.29	Rupees One Thousand Nine Hundred Forty Eight and Paise Twenty Nine Only	138328.59
217	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.	75	Mtr.	108.07	Rupees One Hundred Eight and Paise Seven Only	8105.25
218	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.	75	Nos.	108.07	Rupees One Hundred Eight and Paise Seven Only	8105.25
219	Providing 2.5mm.thick laminated acrylic sheet to cover the fan hook or Fan box.	75	Nos.	18.18	Rupees Eighteen and Paise Eighteen	1363.5
220	Supplying & erecting approved make low noise decorative exhaust fan having square frame ABS body with inbuilt lowers & square frame250mm with 1350 RPM Cat.II	14	Nos.	1366.53	Rupees One Thousand Three Hundred Sixty Six and Paise Fifty	19131.42
221	Supplying and erecting approved make Octagonal pole made from HR sheet steel. The pole should be made as per IS. and shall be coated with hot dip galvanizing as per IS 2629/2633/4759, suitable suspend local wind speed with integral Junction box consist of terminal plate of min 6mm Hylam sheet, standard profile 35mmX7.5mm Din-Rail for MCB Mounting, stud type terminal and arrangement for cable termination to be erected With Suitable foundation (Included) as per details given by manufacturer considering site requirement.(C) 5 Mtr. Long 70 mm Top X 130 mm bottom dia, 3 mm thickness with 200mmX200mmX12mm base plate, 4-M16 Bolts and 600mm long with necessary G.I. J Bolts .Approx Pole weight 46 kg	11	Nos.	6874.06	Rupees Six Thousand Eight Hundred Seventy Four and Paise Six Only	75614.66
222	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]	8	Nos.	515.1	Rupees Five Hundred Fifteen and Paise Ten Only	4120.8

Item No.	Description of Item	Quantity	Unit	Rate		Total Amount
				in Figures	in words	
1	3	2		4		7
223	Supplying 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 76.5mm/80mm/require size of pole top having nuts and bolts for fixing the brackets and having spread of 0.5 mtr. Length with 110 deg.with vertical plane and 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.					
223(a)	[B] Double Arm Bracket 0.5 Mtr	11	Nos.	622.16	Rupees Six Hundred Twenty Two and	6843.76
224	Supplying and erecting B class Galvanized iron pipe having smooth finished bore of the pipe on both ends erected nuts and bolts along the pole / wall shaping the pipe as per site requirement. Pipe dia as following.(B) 32 mm dia	27	Mtr.	215.13	Rupees Two Hundred Fifteen and Paise Thirteen Only	5808.51
225	Supplying & erecting IP 55 grade following size section pillar fabricated from joint less M.S. Sheet with angle iron legs made from jointless M.S. Angle with cable clamps to be buried in ground to have appropriate erection to work uniform until erected with cement concrete foundation and 45 cm high bricks work finishing with plaster etc. hinged double door internally supported on both side, with internal and outside looking arrangement with look and keys in duplicate 35 x 35 x 5 mm M.S. Angle of Two Nos. one is welded and other with nut and bolt for erecting Bakelite sheet. Painting the Section Pillar inside and out side with three tank powder coated paint. section pillar roof should be without joint with water leakage proof & tested as per IP 55 test & followed by IS 2147 of 1962(B) 75 X 60 X 45 cm section pillar fabricated from 16 Gauge MS Sheet with angle iron legs 45 cm long made from 35 X 35 X 5 mm thick MS angle.	1	Nos.	3595.6	Rupees Three Thousand Five Hundred Ninety Five and Paise Sixty Only	3595.6
226	Supplying and erecting HYLAM sheet on existing angle iron frame.for following thickness(D) 8mm	0.3	Sq mtr	1541.26	Rupees One Thousand Five Hundred Forty One and Paise Twenty Six Only	462.378
227	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	Nos.	3168.37	Rupees Three Thousand One Hundred Sixty Eight and Paise Thirty Seven Only	3168.37
228	Supplying & erecting power contactor ,AC3 duty for time switch complete erected as per direction Cat III (D) 4 pole 440V 40 Amp.	1	Nos.	2782.55	Rupees Two Thousand Seven Hundred Eighty Two and Paise Fifty	2782.55
229	Supplying & erecting Amplifier having following specification: Power Output :250W (RMS) (300W Max.) inputs : 6 Misc. & 2 Aux. frequency Response :50-1500HZ I3db 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	Nos.	11298.87	Rupees Eleven Thousand Two Hundred Ninety Eight and Paise Eighty Seven Only	11298.87



Item No.	Description of Item	Quantity	Unit	Rate		Total Amount
				in Figures	in words	
1	3	2		4		7
230	Supplying & erecting four channel Echo Mixer Pre-amplifier with following specification. (i) Suitable to operate on 240V.A.C. & 12 V D.C. Battery supply (ii) B.B.D. Delay system ECHO facility on all inputs through ECHO volume, Repeat & Delay system. (iii) Peak LED for setting optimum distortion free input levels (iv) Two outputs, variable for line & fixed for recording (v) Compatible with Audio Mixing consoles. [[Approved by Competent Authority i.e. not Below the rank of Executive Engineer ]	1	Nos.	3595.6	Rupees Three Thousand Five Hundred Ninety Five and Paise Sixty Only	3595.6
231	Supplying and erecting Weather & Dust resistant sound column with Aluminium case & Aluminium mesh grille with foam layer under grill, rotary- switch for selecting power taps / impedance having frequency response 150-20000 Hz with following specifications . [[Approved by Competent Authority i.e. not Below the rank of Executive Engineer ] (a) With 4 speakers, capacity of power handling 45W (MAX) & 30 W RMS, each speaker have impedance of respectively 300 ohms / 30 W, 500ohms/20W, I -K.ohms/10 W, 2K. ohms / 5W.	2	Nos.	2055.35	Rupees Two Thousand Fifty Five and Paise Thirty Five Only	4110.7
232	Supplying, Installing & testing approved make highly sensitive microphone capable to pick up weak sound from longer distance & wider area suitable for stage shows, group singing with frequency response 50 - 16000 Hz. Having sensitivity of 1.6MV / Pa & impedance 250 ohms (Lo -Z), Supplied with quick detachable holder & 10 mtr. twin core cable & 3 pin XLR connector. [[Approved by Competent Authority i.e. not Below the rank of Executive Engineer ]	1	Nos.	2740.13	Rupees Two Thousand Seven Hundred Forty and Paise Thirteen Only	2740.13
233	Supplying microphones stands with sturdy mechanism, treble free movement & positioning of microphones, free from rust with superior quality of chrome plating with following size. [[Approved by Competent Authority i.e. not Below the rank of Executive Engineer ] (b) Fixed height 35 cm & extendable up to 53 cm, with round base of dia. 16 cms.	1	Nos.	257.55	Rupees Two Hundred Fifty Seven and Paise Fifty Five Only	257.55
234	Supplying & testing wireless microphone system for 92.5 MHz FM operation With effective range 200 feet with microphone having facility for frequency adjustment & receiver with LED indicator Telescopic antenna with battery cells. [[Approved by Competent Authority i.e. not Below the rank of Executive Engineer ]	1	Nos.	1884.66	Rupees One Thousand Eight Hundred Eighty Four and Paise Sixty Six Only	1884.66
235	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.	2	Nos.	55893.4	Rupees Fifty Five Thousand Eight Hundred Ninety Three and Paise Forty Only	111786.8

Item No.	Description of Item	Quantity	Unit	Rate		Total Amount
				in Figures	in words	
1	3	2		4		7
236	Supplying & erecting reverse osmosis (RO) water purification system with M.S. powder coated pedestal frame, prefilter housing carbon filter suitable buster DC pump, auto low & high pressure switches with following size of LPH capacity & erected as directed [D] 100 LPH with 1 phase / 3 phase Raw water pump of 500LPH @ 2.5kg/cm <sup>2</sup> - (1No - Kirloskar /CRI/Lubi), Dual media filter 10"x54" - (1 No), Micron cartridge filter 20" x 2.5" ( 1No), High pressure pump 500LPH @ 10kg/cm <sup>2</sup> - (1No - Shinge /CRI /Lubi), RO Membrane housing with RO membrane of 40*40 - (1No), RO pressure tube 4" x 1E - ( 1No), 0 - 1200LPH Rotameter -(2 Nos), with Recovery Rate 50%.	2	Nos.	77891.2	Rupees Seventy Seven Thousand Eight Hundred Ninety One and Paise Twenty Only	155782.4
237	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.	3	Nos.	1275.63	Rupees One Thousand Two Hundred Seventy Five and Paise Sixty Three Only	3826.89
238	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.	3	Nos.	1558.43	Rupees One Thousand Five Hundred Fifty Eight and Paise Forty Three Only	4675.29
239	Supplying and erecting Ammeter / Voltmeter selector switch for 3 phase AC Supply 500 V on existing panel board with necessary connections.	6	Nos.	317.14	Rupees Three Hundred Seventeen and Paise Fourteen Only	1902.84
240	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	9	Nos.	274.72	Rupees Two Hundred Seventy Four and Paise Seventy Two Only	2472.48
241	Supplying and erecting approved make suitable panel indicator LED type lamp, lens cover, complete erected with necessary connections.	9	Nos.	43.43	Rupees Forty Three and Paise Forty Three Only	390.87
242	Providing & erecting open well horizontal mono block pump set with cast iron body, complete for three phase submersible motor having					
242(a)	[C] For 3 HP 3 phase open well horizontal mono block pump set suitable for 85 LPM to 270 LPM @ 11 mtr to 33 mtr head suitable for 50/65 mm dia delivery pipe Cat.II	2	Nos.	15707.52	Rupees Fifteen Thousand Seven Hundred Seven and Paise Fifty Two Only	31415.04
243	Supplying & erecting approved make motor control cubical panel [Star delta] made from 16G CRCA sheet duly epoxy powder painted 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 wall the contactors will be of L& T, Siemens, BCH make only)(A) DOL up to 5.0 H.P.	2	Nos.	7250.79	Rupees Seven Thousand Two Hundred Fifty and Paise Seventy Nine Only	14501.58
244	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	Job	856.48	Rupees Eight Hundred Fifty Six and Paise Forty Eight Only	1712.96

Item No.	Description of Item	Quantity	Unit	Rate		Total Amount
				in Figures	in words	
1	3	2		4		7
245	Providing and erecting ISI marked PVC insulated PVC Sheathed Flat flexible Submersible copper cable approved make of following Size. (B) 3 Core x 2.5 Sq. mm.	30	Mtr.	104.03	Rupees One Hundred Four and Paise Three Only	3120.9
246	Providing and erecting approved make split air-conditioning unit consisting of copper condensing unit with fan motor, hermetically sealed rotary compressor with accessories etc. duly connected separately erected evaporating unit and blower motor with its accessories by means of extra supplied proper insulated copper tubing, drain PVC pipes suitable for ( cost includes powder coated Stand, Eco Friendly green gas charging, 15A plug top & Remote Control) with necessary core cutting.					
246(a)	(1)For ISEER Range (KWH/KWH)(3.1 to 3.99)	0	0	0	Rupees Zero and Paise Zero Only	0
246(b)	(c) for 2 ton capacity	6	Ea.	46288.3	Rupees Forty Six Thousand Two	277729.8
247	Supplying and erecting insulated pair of soft copper tubing open or concealed including power and control cable, necessary PVC drain pipes for Split AC machine up to 4 TR capacity	30	Rmt	965.56	Rupees Nine Hundred Sixty Five and Paise Fifty Six Only	28966.8
248	Providing Water proof straight Joint in PVC insulated flat flexible copper cable by using insulating material, water proofing material, & making the joint complete. (A) Up to 10Sq. mm	2	Nos.	189.88	Rupees One Hundred Eighty Nine and Paise Eighty Eight Only	379.76
249	Supply, Installation, Testing & Commissioning of following size of Grid Tied Solar Power Plant with Solar Panels (ALMM approved): Frame Material : Anodized Aluminum alloy Frame With Twin Wall Profile, Front Cover : High Transmission Low-Iron Tempered Glass (AR Coated), High efficiency and positive power tolerance Pmax: 0/+5, Module Efficiency should be approx. 19.5%-22%, Normal operating temperature 45°C, Junction Box with Waterproof IP67 & MC4 Compatible and Enclosed with Bypass diodes, 100% Electroluminescence test to ensure error free Modules, Thep. temp. co-efficient of the PV module shall equal or better than -0.45%/degree C. Solar PV modules of minimum fill factor 75% to be used. Unit Production:- More than 4.5 Unit /kw /day (Actual)(1Year Avg) With 10 year Product warranty and 25 year Linear Power Warranty includes all mechanical and electrical parameters of the Solar panel. Modules must be complied to the DCR(Domestic content requirements). The Ration of AC to DC is 5:6 for the Installation capacity which are given in AC KW.	26	Per KW	42156.39	Rupees Forty Two Thousand One Hundred Fifty Six and Paise Thirty Nine Only	1096066.14
	Solar Inverter: MPPT Range: 80-1000 V , Max efficiency: 97.5% - 98.9%, O/p Frequency: 50/60Hz, Operating Altitude (m) ≤4000, O/p Power Factor: ~1, O/P THDi: <3%, Operating Temperature Range: -25~60°C, Integrated protection of Inverter are Anti-islanding Protection, Input Reverse Polarity Protection, Insulation Resistor Detection, Ground fault protection, Residual Current Monitoring Unit, Output Over Current Protection, Output Short Circuit Protection, Output Over Voltage Protection, PV array string fault Protection. Protection Degree: IP65, User Interface LCD & APP, Datalogger & Communication: GPRS / Wi-Fi.					

Item No.	Description of Item	Quantity	Unit	Rate		Total Amount
				in Figures	in words	
1	3	2		4		7
	<p>, Module Mounting Structure: The mounting (Rectangular pipe / square pipe / circular pipe) with requisite cross bars, nuts and bolts, etc. shall be Hot deep galvanized with minimum 80micron coating. The Rectangular / square /circular hollow pipe section used for the structure should have a minimum thickness of 2.0 mm. other than above, the material thickness should be minimum 2.5 mm. A certificate of a structural engineer certifying the strength and stability of the mounting structure to withstand the weight and wind speed of 150 km/hour throughout the life span of 25 years of the system, shall be submitted by the vendors. Hot Dipped Galvanized steel coils. suitable arrangement for base plate for foundation , solar panel mounting, the structure should be suitable for carry the load of solar panel,wiring, sprinkler system etc. with necessary foundation work/wall mount, j bolt, anchor fastner etc. the nut bolt used for installtion of stucture should be (SS 304) quality.The ground clearance of the bottom most edge of solar panel shall not be less than 300 mm to 1200 mm or as per site's technical/feasibility requirement.</p> <p>a. Column –The minimum section (thickness) should be 60MM*40MM</p>					
	<p>b. Rafter - The minimum section (thickness) should be 60MM*40MM</p> <p>c. Purlin - The minimum section (thickness) should be 40MM * 40MM Balane of System with necessary Swichgears (Suitabel size and protection of ACDB &amp; DCDB), inter connecting wiring, earthing system as per the CEIG drawing approval, lightning arrester system as per the CEIG drawing approval, all liasoning work with various gov. dipartment like state nodal agency,DISCOM &amp; CEIG is included in agency scope</p>					

Item No.	Description of Item	Quantity	Unit	Rate		Total Amount
				in Figures	in words	
1	3	2		4		7
	(Excluding All charges namely GEDA Application fees, Solar connectivity Charges, Meter connectivity Charges, Meter testing Charges and system stability/strenthning charges.)					
	(D) Grid Tied Solar Power System: 26 - 50 kW (3 - phase)					
						<b>40424962.91</b>

**Rupees Four Crores Four Lakhs Twenty Four Thousand Nine Hundred Sixty Two and Paise Ninety One Only**

**I / we, am / are willing to carry out the works at \_\_\_\_\_ % Above / below percent (should be written in figure and words) of the estimate rates mentioned above.**

**Amount of my /our tender works out as under.**

Estimated amount put to tender:

Deduct.....% below

Net Rs. \_\_\_\_\_

In words \_\_\_\_\_

Estimated amount put to tender:

Add.....% Above

Total Rs. \_\_\_\_\_

In words \_\_\_\_\_

**Note :-**

1. The Contractor shall exhibit a board with detailed specification and details of work as directed by the Engineer-In-Charge for which no extra payment shall be made.
2. The labour cess will be deducted as per prevailing rules i.e. 1% of the work done.
3. GST and Income tax TDS will be deducted at a source while making payments of bills.
4. In all R.C.C. Items in Rate Analysis Standard Cement Consumption has been taken as per Govt. G.R.: PRC-10/2017 Cement Consumption/16/C, Date:11/05/2017 as stated in S.O.R. therefore in R.C.C. items where there is a change as per actual mix design the cost of difference of cement consumption have been deducted from the rate of original item at the rate of input rate mentioned in all the tender.

**C E R T I F I C A T E**

**Quantity, rates & wording of items are as per estimates and calculation in the schedule " B " are arithmetically checked and found correct.**

Signature of Contractor

Deputy Executive Engineer  
(P) R&B Sub Division  
Radhanpur

Executive Engineer  
(P) R&B Division  
Patan