

Name of Work :- New Construction of 30 Bedded Community Health Center at.Thangadh, Ta.Thangadh, Dist.Surendranagar.						
SCHEDULE - "B"						
Memorandum showing items of works to be carried out						
Item No.	Quantities Estimated But may Be More Or Less	Item of Works	Estimate Rates		Unit	Total Amount According to Estimated Quantities Rs.Ps.
			In Figures Rs.Ps.	In Words		
1	513.00	Excavation for foundation upto 1.5 m depth including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(B) Dense or Hard soil	149.67	Rupees One Hundred Forty Nine and Sixty Seven Paisas Only	CMT	₹ 76,781.68
2	278.00	Excavation for foundationFor depth from 1.5 m to 3.0m including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(B) Dense or Hard soil	162.38	Rupees One Hundred Sixty Two and Thirty Seven Paisas Only	CMT	₹ 45,141.00
3	129.00	Excavation for foundation 1.5 mt. to 3.0 mt. depth including sorting out and stacking of useful materials and disposing off the excavated stuff upto any lead & lift (D) Soft rock not requiring Blasting	285.73	Rupees Two Hundred Eighty Five and Seventy Two Paisas Only	CMT	₹ 36,859.04
4	359.00	Filling available excavated earth (excluding rock)in trenches, plinth,sides of foundations etc. in layers not exceeding 20 cm. in depth consolidation each deposited layer by ramming and watering.	130.39	Rupees One Hundred Thirty and Thirty Nine Paisas Only	CMT	₹ 46,810.37
5	142.00	Filling in plinth with chhara under floors including watering, ramming, consolidating and dressing etc. completed	600.56	Rupees Six Hundred and Fifty Five Paisas Only	CMT	₹ 85,278.97
6	1016.00	Filling in foundation and plinth with murrum or selected soil in layers of 20cm thickness including watering ramming and consolidating etc. complete	282.70	Rupees Two Hundred Eighty Two and Sixty Nine Paisas Only	CMT	₹ 2,87,222.18
7	1282.00	Applying general insecticide pest control treatment to floors, cupboards etc including labour material etc. complete. Using Heptachloride 20 EC. As Per 6113 pests Concentration Weight 0.50 percent is recommended one litre chemical emulsion dillute with 39 liter of water will give. Total dillute concentration will be 40 litre inclusive of one litre chemical emulsion appication 0.5 Litre chemical / Sqm of surface is recommended as per I.S	37.23	Rupees Thirty Seven and Twenty Two Paisas Only	SMT	₹ 47,727.07
8	276.00	Providing and Spreading RUBBLE SOLING in 20 TO 23 CM Thick layers including hand packing and compacting,Royalty Charges Etc completed	1064.80	Rupees One Thousand Sixty Four and Eighty Paisas Only	CMT	₹ 2,93,885.52
9	205.00	Provdg. & laying cement concrete 1:2:4 (1cement:2 corse sand :4 hand broken stone aggregate 20 mm nominal size) and curing complete including cost of form work in (A) Foundation and plinth	3631.49	Rupees Three Thousand Six Hundred Thirty One and Forty Eight Paisas Only	CMT	₹ 7,44,454.49
10	168.00	Providing and laying controlled cement concreteM-30 and curing complete including the cost of formwork but excluding reinforcement for reinforced concrete work in (A) Foundations, footings, Base of columns and Mass concrete. (more than 10 ton) (Design Mix)	5735.79	Rupees Five Thousand Seven Hundred Thirty Five and Seventy Nine Paisas Only	CMT	₹ 9,63,612.72
11	67.00	Providing and laying controlled cement concreteM-25 and curing complete including the cost of formwork but excluding reinforcement for reinforced concrete work in (C) Slabs,landing,shelves,Balconies, Lintels, Beams, Girders and Cantilever upto floor two level. (more than 10 ton)	6158.98	Rupees Six Thousand One Hundred Fifty Eight and Ninety Eight Paisas Only	CMT	₹ 4,12,651.66
12	29.00	Providing, laying controlled cement concreteM-25 and curing complete including the cost of form work but excluding reinforcement for reinforced concrete work in: Up to Plinth Level.(C) Column Design Mix	7642.67	Rupees Seven Thousand Six Hundred Forty Two and Sixty Seven Paisas Only	CMT	₹ 2,21,637.43
13	18.00	Providing, laying controlled cement concrete M-25 and curing complete including the cost of form work but excluding reinforcement for reinforced concrete work.(B) Coping Design Mix	6140.80	Rupees Six Thousand One Hundred Forty and Eighty Paisas Only	CMT	₹ 1,10,534.40
14	59.00	Providing, laying controlled cement concreteM-25 and curing complete including the cost of form work but excluding reinforcement for reinforced concrete work in: Above Plinth Level. (A) Column (i) Ground Floor Design Mix	7642.67	Rupees Seven Thousand Six Hundred Forty Two and Sixty Seven Paisas Only	CMT	₹ 4,50,917.53
15	52.00	Providing, laying controlled cement concreteM-25 and curing complete including the cost of form work but excluding reinforcement for reinforced concrete work in: Above Plinth Level. (A) Column (i) FIRST Floor	7679.94	Rupees Seven Thousand Six Hundred Seventy Nine and Ninety Three Paisas Only	CMT	₹ 3,99,356.83
16	18.00	Providing, laying controlled cement concreteM-25 and curing complete including the cost of form work but excluding reinforcement for reinforced concrete work in: Above Plinth Level. (A) Column (ii) Terrace floor	7721.83	Rupees Seven Thousand Seven Hundred Twenty One and Eighty Three Paisas Only	CMT	₹ 1,38,993.01
17	13.40	Providing and laying controlled cement concrete M-25 and curing complete including the cost of form work but excluding reinforcement for reinforced concrete work in: (B) Lintel (i) Ground Floor Design Mix	6140.80	Rupees Six Thousand One Hundred Forty and Eighty Paisas Only	CMT	₹ 82,286.72
18	8.90	Providing and laying controlled cement concrete M-25 and curing complete including the cost of form work but excluding reinforcement for reinforced concrete work in: (B) Lintel (ii) First Floor Design Mix	6178.07	Rupees Six Thousand One Hundred Seventy Eight and Six Paisas Only	CMT	₹ 54,984.81
19	2.20	Providing and laying controlled cement concrete M-25 and curing complete including the cost of form work but excluding reinforcement for reinforced concrete work in: (B) Lintel (i) Terrace Floor Design Mix	6219.96	Rupees Six Thousand Two Hundred Nineteen and Ninety Six Paisas Only	CMT	₹ 13,683.92

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20	88.00	Providing and laying controlled cement concreteM-25 and curing complete including the cost of form work but excluding reinforcement for reinforced concrete work in: (C) Floor beam (i) Above Ground Floor Design Mix	6401.38	Rupees Six Thousand Four Hundred One and Thirty Eight Paises Only	CMT	₹ 5,63,321.44
21	78.00	Providing and laying controlled cement concreteM-25 and curing complete including the cost of form work but excluding reinforcement for reinforced concrete work in: (C) Floor beam (ii) Above First Floor Design Mix	6438.65	Rupees Six Thousand Four Hundred Thirty Eight and Sixty Four Paises Only	CMT	₹ 5,02,214.62
22	74.00	Providing and laying controlled cement concreteM-25 and curing complete including the cost of form work but excluding reinforcement for reinforced concrete work in: (C) Floor beam (ii) Terrace Floor Design Mix	6480.54	Rupees Six Thousand Four Hundred Eighty and Fifty Four Paises Only	CMT	₹ 4,79,560.24
23	4.00	Providing and laying controlled cement concrete M-25 and curing complete including the cost of form work but excluding reinforcement for reinforced concrete work in: (C) Whether shade (i) GROUND Floor	6189.28	Rupees Six Thousand One Hundred Eighty Nine and Twenty Eight Paises Only	CMT	₹ 24,757.12
24	5.00	Providing and laying controlled cement concrete M-25 and curing complete including the cost of form work but excluding reinforcement for reinforced concrete work in: (C) Whether shade (i) First Fl. Design Mix	6226.55	Rupees Six Thousand Two Hundred Twenty Six and Fifty Four Paises Only	CMT	₹ 31,132.75
25	1.00	Providing and laying controlled cement concrete M-25 and curing complete including the cost of form work but excluding reinforcement for reinforced concrete work in: (C) Whether shade (i) Sixth Floor Design Mix	6268.44	Rupees Six Thousand Two Hundred Sixty Eight and Forty Four Paises Only	CMT	₹ 6,268.44
26	212.60	Providing and laying controlled cement concreteM-25 and curing complete including the cost of form work but excluding reinforcement for reinforced concrete work in: (D) R.C.C. slab (i) Ground Fl. Design Mix	7551.77	Rupees Seven Thousand Five Hundred Fifty One and Seventy Seven Paises Only	CMT	₹ 16,05,506.30
27	165.00	Providing and laying controlled cement concreteM-25 and curing complete including the cost of form work but excluding reinforcement for reinforced concrete work in: (D) R.C.C. slab (i) First Floor Design Mix	7589.04	Rupees Seven Thousand Five Hundred Eighty Nine and Three Paises Only	CMT	₹ 12,52,191.44
28	11.00	Providing and laying controlled cement concreteM-25 and curing complete including the cost of form work but excluding reinforcement for reinforced concrete work in: (D) R.C.C. slab (ii) Terrace Floor Design Mix	7630.93	Rupees Seven Thousand Six Hundred Thirty and Ninety Three Paises Only	CMT	₹ 83,940.27
29	30.30	Providing and laying controlled cement concreteM-25 and curing complete including the cost of form work but excluding reinforcement for reinforced concrete work in: (E) Stair case (i) Ground Fl. Design Mix	5702.46	Rupees Five Thousand Seven Hundred Two and Forty Six Paises Only	CMT	₹ 1,72,784.54
30	26.00	Providing and laying controlled cement concreteM-25 and curing complete including the cost of form work but excluding reinforcement for reinforced concrete work in: (E) Stair case (i) First Fl. Design Mix	5739.73	Rupees Five Thousand Seven Hundred Thirty Nine and Seventy Two Paises Only	CMT	₹ 1,49,232.95
31	17.00	Providing, laying controlled cement concreteM-25 and curing complete including the cost of form work but excluding reinforcement for reinforced concrete work in: RCC wall up to Ground Floor Design Mix	6863.96	Rupees Six Thousand Eight Hundred Sixty Three and Ninety Six Paises Only	CMT	₹ 1,16,687.32
32	16.80	Providing, laying controlled cement concreteM-25 and curing complete including the cost of form work but excluding reinforcement for reinforced concrete work in: RCC wall First Floor Design Mix	6904.21	Rupees Six Thousand Nine Hundred Four and Twenty Paises Only	CMT	₹ 1,15,990.70
33	16.80	Providing, laying controlled cement concreteM-25 and curing complete including the cost of form work but excluding reinforcement for reinforced concrete work in: RCC wall Terrace Floor Design Mix	6944.46	Rupees Six Thousand Nine Hundred Forty Four and Forty Five Paises Only	CMT	₹ 1,16,666.88
34	155507.00	Providing TMT Bar FE 500/500D reinforcement for R.C.C. work including bending, binding and placing in position complete upto any floor any height	77.21	Rupees Seventy Seven and Twenty One Paises Only	Kg.	₹ 1,20,07,395.25
35	27.00	Brick work using common burnt clay building bricks having crushing strength not less than 35 kg/Sq. Cm. in foundation and plinth in cement mortar 1:6 (1 cement : 6 fine sand) Up to Plinth level. (B) Conventional	4021.02	Rupees Four Thousand Twenty One and Two Paises Only	CMT	₹ 1,08,567.60
36	350.00	Brick work using common burnt clay building bricks having crushing strength not less than 35 kg/Sq. cm. in cement mortar 1:6 (1 cement : 6 fine sand) Above Plinth level (B) Conventional (i) Ground Floor	4328.27	Rupees Four Thousand Three Hundred Twenty Eight and Twenty Seven Paises Only	CMT	₹ 15,14,895.97
37	268.00	Brick work using common burnt clay building bricks having crushing strength not less than 35 kg/Sq. cm. in cement mortar 1:6 (1 cement : 6 fine sand) Above Plinth level (B) Conventional (i) First Floor	4367.22	Rupees Four Thousand Three Hundred Sixty Seven and Twenty One Paises Only	CMT	₹ 11,70,414.91

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38	82.00	Brick work using common burnt clay building bricks having crushing strength not less than 35 kg/Sq. cm. in cement mortar 1:6 (1 cement : 6 fine sand) Above Plinth level (B) Conventional (i) Terrace Floor	4406.17	Rupees Four Thousand Four Hundred Six and Sixteen Paisas Only	CMT	₹ 3,61,305.56
39	350.00	Half brick masonry in common burnt clay building bricks having crushing strength note less than 35 Kg/Sq. Cm. in cement mortar 1:4 (1 cement : 4 coarse sand) in super structure above plinth level (B) Conventional (ii) Ground Floor	651.67	Rupees Six Hundred Fifty One and Sixty Seven Paisas Only	SMT	₹ 2,28,085.27
40	289.00	Half brick masonry in common burnt clay building bricks having crushing strength note less than 35 Kg/Sq. Cm. in cement mortar 1:4 (1 cement : 4 coarse sand) in super structure above plinth level (B) Conventional (i) First Floor	651.67	Rupees Six Hundred Fifty One and Sixty Seven Paisas Only	SMT	₹ 1,88,333.27
41	2713.00	Providing 15 mm. thick mala cement plaster in single coat on fair side of brick concrete walls for interior plastering upto floor two level and finished even & smooth plaster.(ii) Cement mortar 1:4 (1 cement : 4 sand) (i) Ground Floor	163.85	Rupees One Hundred Sixty Three and Eighty Five Paisas Only	SMT	₹ 4,44,531.29
42	2411.00	Providing 15 mm. thick mala cement plaster in single coat on fair side of brick concrete walls for interior plastering upto floor two level and finished even & smooth plaster.(ii) Cement mortar 1:4 (1 cement : 4 sand) (ii) First Floor	186.61	Rupees One Hundred Eighty Six and Sixty Paisas Only	SMT	₹ 4,49,910.92
43	175.00	Providing 15 mm. thick mala cement plaster in single coat on fair side of brick concrete walls for interior plastering upto floor two level and finished even & smooth plaster.(ii) Cement mortar 1:4 (1 cement : 4 sand) (ii) Terrace Floor	209.36	Rupees Two Hundred Nine and Thirty Six Paisas Only	SMT	₹ 36,638.51
44	1103.95	Providing 10 mm thick mala cement plaster on ceiling and soffits of stairs upto floor two level, in cement mortar (1:3) (1 cement : 3sand) (i) Ground Fl.	163.53	Rupees One Hundred Sixty Three and Fifty Two Paisas Only	SMT	₹ 1,80,528.11
45	903.19	Providing 10 mm thick mala cement plaster on ceiling and soffits of stairs upto floor two level, in cement mortar (1:3) (1 cement : 3sand) (ii) First Fl.	211.10	Rupees Two Hundred Eleven and Ten Paisas Only	SMT	₹ 1,90,664.22
46	76.00	Providing 10 mm thick mala cement plaster on ceiling and soffits of stairs upto floor two level, in cement mortar (1:3) (1 cement : 3sand)	258.67	Rupees Two Hundred Fifty Eight and Sixty Seven Paisas Only	SMT	₹ 19,659.00
47	771.00	20 mm thick sand faced cement plaster (Gutaka) on walls up to height 10 meters above ground level consisting of 12 mm thick backing coat of CM 1:3 (1 cement : 3 sand) and 8 mm thick finishing coat of CM 1:1 (1 cement : 1 sand) etc. complete. GF	326.11	Rupees Three Hundred Twenty Six and Ten Paisas Only	SMT	₹ 2,51,429.88
48	801.00	20 mm thick sand faced cement plaster (Gutaka) on walls up to height 10 meters above ground level consisting of 12 mm thick backing coat of CM 1:3 (1 cement : 3 sand) and 8 mm thick finishing coat of CM 1:1 (1 cement : 1 sand) etc. complete.Extra over item 17.112 to 17.151 for pointing on walls on the outside at height more than 10metres from ground level for every additional height of 5 metres of part there of. - FF	352.05	Rupees Three Hundred Fifty Two and Four Paisas Only	SMT	₹ 2,81,988.53
49	1974.00	20 mm thick sand faced cement plaster (Gutaka) on walls up to height 10 meters above ground level consisting of 12 mm thick backing coat of CM 1:3 (1 cement : 3 sand) and 8 mm thick finishing coat of CM 1:1 (1 cement : 1 sand) etc. complete.Extra over item 17.112 to 17.151 for pointing on walls on the outside at height more than 10metres from ground level for every additional height of 5 metres of part there of. - Terrace Floor	377.98	Rupees Three Hundred Seventy Seven and Ninety Eight Paisas Only	SMT	₹ 7,46,137.26
50	112.00	Providing throating or plaster drip and moulding to R.C.C. chhajja	41.00	Rupees Forty and Ninety Nine Paisas Only	RMT	₹ 4,591.54
51	530.00	Providing & Fixing the Chickenmesh - 20 guage(Crimp Jali) of approved size applying between the RCC and masonry junction in proper line, level and plumb with all material, labour, tools, tackles and equipment. Including providing and fixing the jali with nails, etc complete as directed by the site-in-charge.	297.95	Rupees Two Hundred Ninety Seven and Ninety Five Paisas Only	SMT	₹ 1,57,913.50
52	6740.00	Applying two coats of Birla or Asian acrylic lapy (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.	40.59	Rupees Forty and Fifty Nine Paisas Only	SMT	₹ 2,73,589.41
53	6732.00	Providing and applying Wall painting (three coats) with plastic emulsion paint of approved brand and manufacture on under coated wall surface to give an even shade including thoroughly brushing the surface free from mortor droppings and other foreign matter and sand paperd smooth on new work to give an even shade.for all height	78.90	Rupees Seventy Eight and Ninety Paisas Only	SMT	₹ 5,31,162.88
54	3546.00	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	114.53	Rupees One Hundred Fourteen and Fifty Three Paisas Only	SMT	₹ 4,06,137.56

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55	71.00	Providing 20 mm thick water proof cement plaster using water proofing powder 1Kg/1bag of cement for all floors on brick / concrete wall work using water proofing materials in C M 1: 4 (1 cement 4 coarsse sand) including finishing with a floating coat of neat cement slurry etc complete for all floor. and shall be guaranteed for minimum period of 10 years after handing over the completed building by the main contractor to be finished as directed. Stamp paper guarantee 10 years to be furnished before receiving any payment from the client.	267.65	Rupees Two Hundred Sixty Seven and Sixty Five Paisas Only	SMT	₹ 19,003.15
56	418.00	Providing and laying 18 mm thick polished granite stone machine cut in single piece (Max. available) in sill and jambs of Door, window, Ventilation frame laid over 10 mm thick cement mortar 1 : 3 (1 cement : 3 coarse sand) and jointed with grey cement slurry with matching pigment incl. rubbing and polishing half rounding edge etc. complete colour and shed as approved by architect engineer in charge.	2474.50	Rupees Two Thousand Four Hundred Seventy Four and Fifty Paisas Only	SMT	₹ 10,34,341.00
57	1101.00	Providing and laying 24" X 24" full body Double Charge Vitrified glossy/ satin/ matte finish 8mm thick tile flooring including skirting/dado over 20mm (ave) base of C.M. 1:6 on new surfac or fixing on existing flooring by adhesive material incl. dismantaling of existing flooring and jointed with colour cement-slurry incl. finished with flush pointing & cleaning the surface etc. comp. for light shed.	1204.20	Rupees One Thousand Two Hundred Four and Twenty Paisas Only	SMT	₹ 13,25,827.28
58	1114.00	Providing and laying polished 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 (1-Lime putty :1.5 - coarse sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of slab including rubbing and polishing etc. complete. (A) 25mm thick	971.95	Rupees Nine Hundred Seventy One and Ninety Five Paisas Only	SMT	₹ 10,82,755.98
59	140.00	Providing and laying Ceramic flooring tiles 300mm x 300mm in flooring treads of steps and landings laid on a Bed of 12 mm. Thick cement mortar 1:3 (1 cement : 3 coarse sand) pointing in white ceand jointed with white cement slurry.	944.91	Rupees Nine Hundred Forty Four and Ninety Paisas Only	SMT	₹ 1,32,286.77
60	651.00	Providing and laying coloured glazed tiles of the size 300 mm x 200 mm x 8 mm / 300 mm x 450 mm x 8 mm in skirting, risers of steps and dedo on 10 mm. thick cement plaster 1:3 (1 cement : 3 coarse sand) & jointed with white cement slurry.	1417.36	Rupees One Thousand Four Hundred Seventeen and Thirty Six Paisas Only	SMT	₹ 9,22,703.51
61	300.00	Providing and fixing Exterior grade paver tile pavement in approved pattern or Nitco or Pavit make or equivalent make in approved colour and pattern as per architectural drawing. The tiles to be laid using 20 to 25mm thick CM 1:3. The bedding plaster may vary in thickness as per site condition. The paver tiles to be pasted on the bedding plaster using grey cement. The tiles to be pasted leaving grooves of 4 to 5mm in between each successive tiles or/and gap may be provided in between the paver tiles to have gross joints / pebble stone as per architectural scheme. No extra will be paid for leaving the joints. The joints to be pointed using ready-made polymer jointsealer like tile mate of Roff or laticrete or equivalent. The type of pointing shall be ruled and sunk. The rate toinclud cost of all labour and material, cleaning, curing, etc., complete all as directed by Engineer-in-Charge.	959.50	Rupees Nine Hundred Fifty Nine and Fifty Paisas Only	SMT	₹ 2,87,850.00
62	215.00	Providing and laying Tactile flooring tiles 300mm x 300mm in flooring 12 mm. Thick cement mortar 1:3 (1 cement : 3 coarse sand) pointing in white ceand jointed with white cement slurry.	808.00	Rupees Eight Hundred Eight Only	SMT	₹ 1,73,720.00
63	186.00	Providing and laying polished Granite slab flooring over 20 mm (average) base of cement mortar 1:6 (1 cement : 6 coarse sand) laid and jointed with grey cement slurry including rubbing and polishing complete. 18 mm thick	1941.73	Rupees One Thousand Nine Hundred Forty One and Seventy Two Paisas Only	SMT	₹ 3,61,160.85
64	13.00	Providing and fixing window having extruded aluminum Colour anodized section frame main outer size 95mm x 24mm x 1.17mm (of Jindal Section no:2459 @ wt.of 0.738 Kg/mt), horizontal Three track member size 92mm x 31.75mm x 1.30mm (of Jindal Section no:8688,@ Wt.1.07 Kg/mt), vertical member of size 92mm x 31.75mm x 1.50mm (of Jindal Section no:8933,@ Wt. 1.06 Kg/mt) with sliding shutters of horizontal member size 40 mmx18mm x1.29mm (of Jindal Section no:8947@ wt.of 0.456 Kg/mt), vertical member of size 40mm x 18mm x 1.29 mm (of Jindal Section no:8949 @ wt.of 0.456Kg/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. Providing and fixing Stainless steel mosquito net jali ,wire of I.S gauge designation 85-G with wire of 0.56 mm fix in aluminium door, window, ventilator shutters of any size, any shape with etc all complete at all floors/all levels/all heights as per the architectural drawings and the directions of Engineer-in-Charge. Actual laying installed Jali shall be measured.	2080.60	Rupees Two Thousand Eighty and Sixty Paisas Only	SMT	₹ 27,047.80

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65	72.00	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.Providing and fixing Stainless steel mosquito net jali ,wire of I.S gauge designation 85-G with wire of 0.56 mm fix in aluminium door, window, ventilator shutters of any size, any shape with etc all complete at all floors/all levels/all heights as per the architectural drawings and the directions of Engineer-in-Charge. Actual laying installed Jali shall be measured.	2211.90	Rupees Two Thousand Two Hundred Eleven and Ninety Paisas Only	SMT	₹ 1,59,256.80
66	12.00	Providing and fixing standared extruded of alluminium section of size 63.50 x 38.10 x 1.95 mm(of Jindal Section no:4605, @ Wt 1.094Kg / RMT with colour anodized alluminium frame with 5 mm thick transparent bronze colour tinted float glass with colour anodized alluminium frame for ventilation with 5 mm thick frosted glass as details etc complete for.window	1301.82	Rupees One Thousand Three Hundred One and Eighty One Paisas Only	SMT	₹ 15,621.83
67	2940.00	Providing and fixing M.S. grill of required pattern of windows etc. with M.S.. flats at required spacing and frame alround square or round headed bolts and nuts or by screws.including applying a priming coat of red lead paint and two coats of oil painting etc complete (A)Plain grill	101.17	Rupees One Hundred One and Seventeen Paisas Only	Kg.	₹ 2,97,444.80
68	71.00	Providing and fixing flush door both sides laminated shutter fabricated from 35 mm thick solid core malemine faced three layered pre laminated flat pressed wood based exterior grade bonded BWP/BWR synthetic resin having stamped IS 12823 grade I type II including three coats of lacquer polishing to exposed wooden surfaces and including providing and fixing of Floor door stopper & fixing of S.S finish decorative type heavy guage designs fixtures / fastening etc. complete As per drawings and design supplied by architect and instruction given by authority and E.I.C.	4609.64	Rupees Four Thousand Six Hundred Nine and Sixty Four Paisas Only	SMT	₹ 3,27,284.44
69	82.00	Providing & fixing in position alluminium pivoted Single Shutter door & partition with alluminium anodized hollow section frame of approved shade fabricated from alluminium standard section for outer frame size 101 mm x 44.5 mm (of app. wt. 1.30 kg/RMT) and door styles and top rial of alluminium section size 47.5mm x 44.5 mm (of app. wt. 1.14 kg/RMT) bottom rail & lock rail for door size 114mm x 44.5mm (of app. wt. 1.7kg/RMT) and providing rubber gasket and glazing clips around the glass all over including providing heavy handle, heavy lock, bracket, stoppers. 5 mm thick sheet ground glass (frosted or obscured on one side in Top panel) fixed with transparent silicon gasket & 12 mm thick particle board fixed clits including all required materials labours and equipments as per detailed drawing as directed.	3840.02	Rupees Three Thousand Eight Hundred Forty and Two Paisas Only	SMT	₹ 3,14,881.64
70	58.00	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid plain flush door shutter of required size comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) having minimum density of 650 kg/cum and screw withdrawal strength of 1800 N (Face) & 900 N (Edge), minimum compressive strength 50 N/mm2, modulus of elasticity 850 N/mm2 and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixing with stainless steel butt hinges of required size with necessary full body threaded star headed counter sunk S.S screws, all as per direction of Engineer-In Charge. 35 MM	3914.07	Rupees Three Thousand Nine Hundred Fourteen and Seven Paisas Only	SMT	₹ 2,27,016.25
71	1166.39	Providing and laying white glazed tiles equal size pieces for CHINA MOSAIC WATER PROOFING TREATMENT WITH BRICK BET BASE to terrace including cleaning the surface opening the creaks in " V " grooves pattened filling the same water proof cement mortar 1:1(1 Cement : 1 sand) including BRICK BAT as directed to have proper slope over a layer of C.M. 1:1 (1 Cement : 1 sand) including finishing the top surface with 15mm thick water proof cement plaster in C.M. (1:3) (1 Cement : 3 sand) and finishing with a floating coat of neat cement slurry using chemical water proofing compound as per manufactures specifications and standard specifications as per indian Water proofing or equivalent including curing at specified period as directed including finishing the top surface with equal size white glazed tiles pieces including round shape vata 100mm x 100mm size with filling white cement in joints, using chemical water proofing as per mfg., specification & standards with cleaning top surface using acid including drip moulding at the junction of vata & plaster etc..complete as directed by E.I.C.	872.64	Rupees Eight Hundred Seventy Two and Sixty Four Paisas Only	SMT	₹ 10,17,838.57
72	138.00	Fabricating, supplying and fixing in position SS railing for staircase and balcony with brush finish and 304 grade as per Indian Standrd and detailed drawing including grinding, cleaning and filling the welded spots with SS finish (Only Length will be paid for payment heighth max.1.0 mt.). The Work to be executed as per consultant drawing .	2057.37	Rupees Two Thousand Fifty Seven and Thirty Seven Paisas Only	RMT	₹ 2,83,917.06
73	36.00	Fabricating, supplying and fixing in position SS daso for staircase and balcony with brush finish and 304 grade as per Indian Standrd and detailed drawing including grinding, cleaning and filling the welded spots with SS finish (Only Length will be paid for payment). The Work to be executed as per consultant drawing .	1313.00	Rupees One Thousand Three Hundred Thirteen Only	RMT	₹ 47,268.00

Item No.	Quantities Estimated But may Be More Or Less	Item of Works	Estimate Rates		Unit	Total Amount According to Estimated Quantities Rs.Ps.
			In Figures Rs.Ps.	In Words		
74	15.00	Providing and filling with good quality Cinder (steam coal) as directed by engineer in charge in sunks in layers of 15 cm thk, including watering, placing, ramming well etc. as directed.	795.88	Rupees Seven Hundred Ninety Five and Eighty Eight Paisas Only	CMT	₹ 11,938.20
75	15.00	Providing and fixing Sand which type Granite platform including supplying and fixing granite stone 18 mm thick mirror polished 1st quality Granite stones in top and side position and vertical strip at front over 25 mm thick polished kotah stone platform fixing in top and sides and intermediates supports fixing with cement mortar and adhesive and finishing including cutting for fixing of sink any size (as directed by engineer incharge) at required position etc complete.	3397.64	Rupees Three Thousand Three Hundred Ninety Seven and Sixty Four Paisas Only	SMT	₹ 50,964.60
76	88.00	Providing and fixing Flexible Homogeneous Vinyl Flooring of With treatment of Plyurethane Reinforced Surface, Densely Compacted, Anti-Bactaril and fungicidal and Antistatic havng thickness of 2.00mm With weight of 3150 g/m2 with levelling, chemical adhesive for fixing, corner junction.	1893.75	Rupees One Thousand Eight Hundred Ninety Three and Seventy Five Paisas Only	SMT.	₹ 1,66,650.00
77	192.00	Wall Painting (two coats) with antibacterial polyurethane epoxy paint approved brand and manufacture on internal walls to give an even and smooth surface. Thoroughly brushing the surface free from mortar dropings and other forein matter and sand prepared smooth.	454.50	Rupees Four Hundred Fifty Four and Fifty Paisas Only	SMT.	₹ 87,264.00
78	54.00	Providing & applying two Componant ,non slumping ,non-sagging, thixotropic epoxy bedding compound & adhesive compatible with for tiles for coving at radius of 25 mm or as directed by the architect's / Engineer-in-charge make it fit for tiles inclusive of Labour, material and Equipment etc. for all heights, location, shape & size as directed by the architect/Bank engineer incharge. (Actual Length shall be measured for payment.)	575.70	Rupees Five Hundred Seventy Five and Seventy Paisas Only	RMT	₹ 31,087.80
79	394.00	Providing and applying 2mm thick Texture Plaster Terre Palette (Earthen Textures, Spectrum, Coral or equivalent) incorporating fine filaments made of polymer and aggregating natural stone powder with making grooves on existing base coat of 18 mm thick smooth mala plaster etc. Complete Colour and shade as approved by Architect/ Engineer in charge for all floor all height.	351.48	Rupees Three Hundred Fifty One and Forty Eight Paisas Only	SMT	₹ 1,38,483.12
80	118.00	Painting two coats (excluding priming coat) on new steel and other metal surface with enamel paint, brushing, interior to give an even shade including cleaning the surface an even shade including cleanicn the surface of all dirt, dust and other foreign matter.	87.81	Rupees Eighty Seven and Eighty Paisas Only	SMT.	₹ 10,361.51
81	103.00	Providing and fixing eco-friendly light weight calcium silicate false ceiling tiles having Tegular edge & 15 mm Thick Densified edges on the Tile Periphery for Extra Strength The Light weight calcium silicate ceiling tiles shall have , light reflection 85% noncombustible as per B.S. 476 part IV, 100% humidity resistanceandalsohaving thermalconductivity0.043° w/m KC.for the best thermal Insulation . The Light weight calcium Silicate tile shall be of approved texture Fine fissured/ Spintone/Cosmos having NRC value of 0.5 & Globe having NRC value of 0.75 NRC or equivalent of size 595 X 595 mm to be laid on true horizontal level suspended inter locking metal gridof hot dipped galvanized steel sections (galvanizing @120 grams per sqm including both side) consisting of main 'T' runner suitably spaced at joints to get required length and size of 24X38mm made from 0.30 mm thick (minimum) sheet, 1200mm centre to centre, and cross 'T' of size 24X28mm made out of 0.33mm (Minimum) sheet spaced 1200mm along spaced between main 'T' at 600mm centre to centre to form agrid of 1200X600mm and secondary cross 'T' of length 600mm and size 24x28mm made of 0.30 mm thick (Minimum) sheet to be interlocked at middle of the 1200X600mm panel to form grid of size	1648.96	Rupees One Thousand Six Hundred Forty Eight and Ninety Five Paisas Only	SMT	₹ 1,69,842.50
82	5.00	FLUSH PARTITION (lamine finish) : Providing & fixing flush partition up to false ceiling ht (thickness of partition is 75 mm) having 12 mm thick Marin plywood IS 710 both side on aluminum framing. Aluminum framing size for vertical & horizontal support is 50 mm x 25 mm. All exposed surfaces finished with 1 mm thick laminate of approved shade without any air gap and grooving as per design. Necessary framing to be erected above false ceiling. No extra cost to be paid for the same. Before installation, make hole/face plate for conduit pipes of electrical / networking cables with open able stud from partition Including all materials and labor etc. Make necessary grooves as per shown in drawing. All bottom ends are covered with Ghana teak bidding Patti finished with laminate Complete with all necessary hardware & adhesives as per details given in drawing and as per instructions of Architect/consultant/Engineer In charge. Contractor has to provide all necessary cut outs (race ways.) for Electrical works & no extra payment shall be made for it.	2639.13	Rupees Two Thousand Six Hundred Thirty Nine and Thirteen Paisas Only	SMT	₹ 13,195.65

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			In Figures Rs.Ps.	In Words		
83	5.00	Partly glazed partition: Providing & fixing full height partly laminated & partly glazed partition (up to false ceiling ht) using 12 mm thick marin plywood IS 710 both side on aluminum framing of guage 16 . Aluminum framing size for vertical & horizontal support is 50 mm x 25 mm .Grid of aluminum framing is 600 mm x 600 mm. All exposed surfaces finished with 1 mm thick laminate of approved shade without any air gap and grooving as per design. . Necessary framing to be erected above false ceiling (up to beam and slab height.) No extra cost to be paid for the same. Before installation, make hole/face plate for conduit pipes of electrical / networking cables with open able stud from partition Including all materials and labour etc. For glazing Using of 12 mm thick toughen clear glass with proper crystal edges & with suggested frosted films on glass. Frosted film material rate is provided extra as per given cost in tender item. All joints are covered with Ghana teak bidding Patti finished with laminate. Complete with all necessary hardware & adhesives as per details given in drawing and as per instruction of Architect/consultant/Engineer In charge.	2683.68	Rupees Two Thousand Six Hundred Eighty Three and Sixty Eight Paisas Only	SMT	₹ 13,418.41
84	1.35	STORAGE BELOW PANTRY COUNTER :Providing & fixing full ht storage having size as per detail drawing , having depth of 600 mm, having skirting of 75 mm, with proper locks. 5 nos of vertical supports & 3 no of horizontal shelves made by 19 mm thick Marin ply, having shutters of 9 mm thick double sandwich ply with using 12 mm thick Marin ply for framing. All complete with proper Burma teak biding. Back ply is 12 mm Marin ply. All exposed & internal surfaces are covered with 1 mm thick laminate. External & internal joints covered with bidding Patti complete with laminate finish. All complete with proper hardware like locks, S.S. Screws, MS Nails, Magnets, table chains, cable manager SS 304 Handles of 250 mm and 100 mm dia etc. All Details as per shown in detail drawings & as per instructions of architect/consultant / in charge engineer	4292.50	Rupees Four Thousand Two Hundred Ninety Two and Fifty Paisas Only	SMT	₹ 5,794.88
85	350	Drilling of bore hole in Alluvial Strata by Direct Rotary rig.(i) 250 / 300 mm dia bore hole	865.57	Rupees Eight Hundred Sixty Five and Fifty Seven	RMT.	₹ 3,02,949.50
86	350	Providing and supplying ISI mark M.S. E.R.W. pipes with following diameter confirming to IS : 4270 - 1992 including all taxes, insurance, transportation, freight charges, octroi, inspection charges, loading, unloading, conveyance to departmental stores, stacking etc. complete. Medium Duty Plain Ended a) 200 mm dia	2431.07	Rupees Two Thousand Four Hundred Thirty One and Seven Paisas Only	RMT.	₹ 8,50,874.50
87	1	Providing and supplying following materials for borewellClamps made from M.S. plate with 3 holes on either side with nuts & bots of standard make and suitable size. (g) 900 mm X100 mm X 16 mm flat suitable to 200 mm dia. Pipe.	2037.91	Rupees Two Thousand Thirty Seven and Ninety Paisas Only	PAIR	₹ 2,037.91
88	1	Bore plug having 100 mm height made from M.S.plate with 3 holes at equal distance on circumference for nut-bolts type, locking arrangement with nuts-bolts & lock nuts of standard make etc. complete. [b] From 5 mm thick M.S. plate (For Top also) ii) Suitable for 200 mm dia pipe	782.57	Rupees Seven Hundred Eighty Two and Fifty Six Paisas Only	NO	₹ 782.57
89	1	M.S. Bail plug having length 0.45 mtr. from medium class pipe as per I.S.S suitable for d) 200 mm dia pipe	851.04	Rupees Eight Hundred Fifty One and Three Paisas Only	NO	₹ 851.04
90	1	Lowering of E.R.W. pipes, pipes shall be lowered in such a manner as not to damage either the pipes or mud wall of the bore. If pipes are dropped or mud wall damage, causing heaving of sand, cost of bore shall be recovered from the contractor. (i) 0 to 50 M	252.50	Rupees Two Hundred Fifty Two and Fifty Paisas Only	Rmt.	₹ 252.50
91	1	Cement grout seal The grout shall be 1:1. The largest size aggregate allowed is 10 mm pebbles. The grout will have to be in placed in such a way that the cement sand and aggregate will not be separated due to water. Any method of doing so will have to be approved by the architects/ Engineer.	13405.73	Rupees Thirteen Thousand Four Hundred Five and Seventy Three Paisas Only	JOB	₹ 13,405.73
92	1	Bottom sealing of bore hole as per standard procedure	6727.61	Rupees Six Thousand Seven Hundred Twenty Seven and One Paisas Only	JOB	₹ 6,727.61
93	1	Gravel packing:Gravel packing shall be done slowly and sounding of gravel will have to be taken, after putting in every	2049.29	Rupees Two Thousand Forty Nine and Twenty Nine Paisas Only	CUMT	₹ 2,049.29
94	1	Lowering and removing of 100 mm dia dropline and 32 mm dia airline for development of each water bearing zones come across upto full depth of deep tubewell of size 200 mm / 250 mm / 300 mm dia for tubewell having depth 100 mtr. and above through suitable air compressor. The job is for complete period of development of tubewell. (Without charges for air compressor.)	28054.77	Rupees Twenty Eight Thousand Fifty Four and Seventy Seven Paisas Only	JOB	₹ 28,054.77
95	10	Charges for supplying, hiring Air compressor including all associated necessary expenditure. 1) 400 CFM / 100 PSI compressor	2746.19	Rupees Two Thousand Seven Hundred Forty Six and Nineteen Paisas Only	HR.	₹ 27,461.90
96	1	Pumping test of the tubewell by submersible pump of adequate capacity in all districts. B) D.R. Bore pump test with D.G. Set. 1) 1st 24 hrs. upto 30 HP	29607.14	Rupees Twenty Nine Thousand Six Hundred Seven and Fourteen Paisas Only	L.S	₹ 29,607.14

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			In Figures Rs.Ps.	In Words		
97	1	Welding in all positions with required number runs, for M.S /E.R.W. pipes internally including gauging wherever necessary, fixing appurtances and other accessories in connection with pipe laying work as per specification Butt Joints : Plate thickness i) 4 mm To 7 mm	707.00	Rupees Seven Hundred Seven Only	L.S.	₹ 707.00
98	500	Heavy duty , MS /GI column pipe both end threaded having length approximate 3 mt. confirming to IS 1239 (Part-1) with coupling at one end and threaded protector at other end. 50 mm dia	542.37	Rupees Five Hundred Forty Two and Thirty Seven Paisas Only	Rmt.	₹ 2,71,185.00
99	20	Providing and fixing to wall ceiling and floor 6.0 Kg. F/Cm2 working pressure poluthene pipes of the following outside Dia. Low density, complete with special falnge compression type fittings, wall clipsetc. including making good the wall ceiling and floor.(A) 20mm	78.90	Rupees Seventy Eight and Ninety Paisas Only	Rmt	₹ 1,578.02
100	20	Providing and fixing to wall ceiling and floor 6.0 Kg. F/Cm2 working pressure poluthene pipes of the following outside Dia. Low density, complete with special falnge compression type fittings, wall clipsetc. including making good the wall ceiling and floor.(B) 25mm	101.49	Rupees One Hundred One and Forty Nine Paisas Only	Rmt	₹ 2,029.90
101	30	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 falnge compression type fittings, wall clipsetc. including making good the wall ceiling and floor.(C) 32mm	123.29	Rupees One Hundred Twenty Three and Twenty Nine Paisas Only	Rmt	₹ 3,698.72
102	40	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 falnge compression type fittings, wall clipsetc. including making good the wall ceiling and floor.(D) 40mm	146.63	Rupees One Hundred Forty Six and Sixty Three Paisas Only	Rmt	₹ 5,865.27
103	110	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 falnge compression type fittings, wall clipsetc. including making good the wall ceiling and floor.(E) 50mm	189.20	Rupees One Hundred Eighty Nine and Twenty Paisas Only	Rmt	₹ 20,812.36
104	2	Providing and fixing in position cowel went to pipes.(B) 75mm dia.	389.74	Rupees Three Hundred Eighty Nine and Seventy Three Paisas Only	Each	₹ 779.48
105	30	Providing and fixing in position cowel went to pipes.(C) 100mm dia	501.87	Rupees Five Hundred One and Eighty Six Paisas Only	Each	₹ 15,056.07
106	5	Providing and fixing screw down bib taps of following size.(B) Brass chromium plated screws down Bib Tap. (i) 15mm dia.	186.83	Rupees One Hundred Eighty Six and Eighty Two Paisas Only	Each	₹ 934.15
107	5	Providing and fixing Gun metal check or non-return fullway wheel valve.(A) 15mm dia.	186.83	Rupees One Hundred Eighty Six and Eighty Two Paisas Only	Each	₹ 934.15
108	6	Providing and fixing Gun metal check or non-return fullway wheel valve.(B) 20mm dia.	203.82	Rupees Two Hundred Three and Eighty One Paisas Only	Each	₹ 1,222.91
109	9	Providing and fixing Gun metal check or non-return fullway wheel valve.(C) 25mm dia.	420.63	Rupees Four Hundred Twenty and Sixty Three Paisas Only	Each	₹ 3,785.71
110	3	Providing and fixing Gun metal check or non-return fullway wheel valve.(D) 32mm dia.	314.73	Rupees Three Hundred Fourteen and Seventy Two Paisas Only	Each	₹ 944.18
111	5.00	Providing and fixing Gun metal check or non-return fullway wheel valve.(E) 40mm dia.	663.43	Rupees Six Hundred Sixty Three and Forty Two Paisas Only	Each	₹ 3,317.14
112	1.00	Providing and fixing ball cock of approved. quality as directed.(B) Abonite (ii) 50mm dia.	137.89	Rupees One Hundred Thirty Seven and Eighty Eight Paisas Only	Each	₹ 137.89
113	15.00	Providing and fixing G.I. Rain water spout of 50mm dia. and 30cm. length.	101.91	Rupees One Hundred One and Ninety Paisas Only	Each	₹ 1,528.64
114	26.00	Providing and fixing concealed center point to wall ceiling & floor CPVC (SDR 13.5) PIPE having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete.[A] 15 mm.	166.86	Rupees One Hundred Sixty Six and Eighty Six Paisas Only	Rmt	₹ 4,338.41
115	10.00	Providing and fixing concealed center point to wall ceiling & floor CPVC (SDR 13.5) PIPE having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete. [B] 20 mm.	205.00	Rupees Two Hundred Four and Ninety Nine Paisas Only	Rmt	₹ 2,050.00

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116	288.00	Providing laying and jointing in true line and level 15mm dia. U.P.V.C. Pipe (SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	72.65	Rupees Seventy Two and Sixty Four Paisas Only	Rmt	₹ 20,923.00
117	75.00	Providing laying and jointing in true line and level 25mm dia. U.P.V.C. Pipe (SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	91.84	Rupees Ninety One and Eighty Three Paisas Only	Rmt	₹ 6,887.95
118	50.00	Providing laying and jointing in true line and level 32mm dia. U.P.V.C. Pipe (SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	119.15	Rupees One Hundred Nineteen and Fourteen Paisas Only	Rmt	₹ 5,957.49
119	160.00	Providing laying and jointing in true line and level 40mm dia. U.P.V.C. Pipe (SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	148.12	Rupees One Hundred Forty Eight and Eleven Paisas Only	Rmt	₹ 23,698.64
120	400.00	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 concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	195.67	Rupees One Hundred Ninety Five and Sixty Six Paisas Only	Rmt	₹ 78,266.92
121	20.00	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.	831.22	Rupees Eight Hundred Thirty One and Twenty One Paisas Only	Rmt	₹ 16,624.40
122	380.00	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.	835.15	Rupees Eight Hundred Thirty Five and Fourteen Paisas Only	Rmt	₹ 3,17,356.54
123	7.00	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 scread down or hinged grating including the cost of cutting and making good the walls.	558.36	Rupees Five Hundred Fifty Eight and Thirty Five Paisas Only	each	₹ 3,908.51
124	25000.00	Providing erecting and fixing double coated ISI water tank of required capacity each with all necessary fittings and connection etc. complete on terrace	3.95	Rupees Three and Ninety Four Paisas Only	litre	₹ 98,727.50
125	13.00	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. (A) 100mm x 100mm size P type.	1292.19	Rupees One Thousand Two Hundred Ninety Two and Nineteen Paisas Only	Each	₹ 16,798.52
126	165.00	Providing laying (to level or slopes) and jointing reinforced concrete Light duty non-pressure pipes I.S. class NP2 of the following internal diameter with collars and butt ends prepared for collar joints including testing of joints complete.(B) 150mm	238.61	Rupees Two Hundred Thirty Eight and Sixty One Paisas Only	Rmt	₹ 39,371.06
127	115.00	Providing laying (to level or slopes) and jointing reinforced concrete Light duty non-pressure pipes I.S. class NP2 of the following internal diameter with collars and butt ends prepared for collar joints including testing of joints complete.(C) 250mm	343.60	Rupees Three Hundred Forty Three and Sixty Paisas Only	Rmt	₹ 39,514.23
128	2.00	Constructing Manhole with R.C.C. top slab in 1:2:4 mix (1- cement :2-coarse sand : 4-graded stone aggregate 20mm nominal size) foundation concrete 1:3:6 mix (1-cement : 3- coarse sand :6-Brick bats 40 + 50mm size) inside plastering 15mm thick with Cement Mortar 1:3 (1- Cement : 3-coarse sand) finished with a floating coat of neat cement and making channels in cement concrete 1:2:4 mix (1 Cement :2-Coarse sand :4-stone aggregate 20mm nominal size) finished smooth complete including curing and festing (i) Inside size 900mm x 1200mm and 1.5M. deep including C.I. cover with frame size 560mm diameter total weight of cover and frame to be not less than 128 kgs. (Wt. of cover 64 Kg. and Wt. of frame 64 Kg.)(A) With 230mm thick walls of brick msonry using brick having crushing strength not less than 35Kg. / Sq.cm. in Cement Mortar 1:5 (1- Cement: 5-Coarse sand) (1) A type depth 0.90 Metre for 150mm diameter sewer.	11029.97	Rupees Eleven Thousand Twenty Nine and Ninety Six Paisas Only	Each	₹ 22,059.94
129	2.00	(I) Extra rate for constructing B.B. masonry for every additional depth of 0.1M. or Part thereof over item No.24.27 (I) for depth from 0.9M to 1.5M.	522.96	Rupees Five Hundred Twenty Two and Ninety Five Paisas Only	Each	₹ 1,045.92

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			In Figures Rs.Ps.	In Words		
130	2.00	Constructing Manhole with R.C.C. top slab in 1:2:4 mix (1- cement :2-coarse sand : 4-graded stone aggregate 20mm nominal size) foundation concrete 1:3:6 mix (1-cement : 3- coarse sand :6-Brick bats 40 + 50mm size) inside plastering 15mm thick with Cement Mortar 1:3 (1- Cement : 3-coarse sand) finished with a floating coat of neat cement and making channels in cement concrete 1:2:4 mix (1 Cement :2-Coarse sand :4-stone aggregate 20mm nominal size) finished smooth complete including curing and festing (i) Inside size 900mm x 1200mm and 1.5M. deep including C.I. cover with frame size 560mm diameter total weight of cover and frame to be not less than 128 kgs. (Wt. of cover 64 Kg. and Wt. of frame 64 Kg.)(A) With 230mm thick walls of brick msonry using brick having crushing strength not less than 35Kg. / Sq.cm. in Cement Mortar 1:5 (1- Cement: 5-Coarse sand) (2) B type depth 1.50 Metre for 150mm diameter sewer.	19330.46	Rupees Nineteen Thousand Three Hundred Thirty and Forty Six Paises Only	Each	₹ 38,660.92
131	2.00	(II) Extra rate for constructing B.B. masonry for every additional depth of 0.1M. GR Part thereof over item No.24.27 (I) for depth from 1.50M. to 2.25M.	397.19	Rupees Three Hundred Ninety Seven and Nineteen Paises Only	Each	₹ 794.39
132	70.00	Providing and fixing cast iron steps of size 500mm x 150mm x 22.5mm and painting with two coats of Anti corrosive paint etc. complete.	203.76	Rupees Two Hundred Three and Seventy Five Paises Only	Each	₹ 14,263.02
133	8.00	Constructing brick masonry chamber for underground C.I. Inspection chamber and bends with bricks having crushing strength not less than 35Kg/Cm2 in C.M. 1:5 C.I. cover with frame (Light duty) 455mm x 610mm intenal dimensions total weight of cover with frame to be not less than 38Kg. (Wt. of cover 23 Kg.) and Wt. of frame 15Kg.) (R.C.C. top slabe with 1:2:4 mix (1 cement :2- coarse sand :4-graded stone aggregate 20mm size) foundation concrete 1:5:10 inside plaster 15mm thick with cement mortar 1:3 finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete.(i) Inside dimensions 455mmx 610mm and 450mm deep for single pipe line.	2932.93	Rupees Two Thousand Nine Hundred Thirty Two and Ninety Two Paises Only	Each	₹ 23,463.43
134	6.00	Extra over items 24.44 for every additional depth of 0.1M. of part thereof beyond 450mm depth for Brick masonry chamber.(i) for 455mm x 610mm size.	242.39	Rupees Two Hundred Forty Two and Thirty Eight Paises Only	Each	₹ 1,454.34
135	5.00	Constructing brick masonry chamber for underground C.I. Inspection chamber and bends with bricks having crushing strength not less than 35Kg/Cm2 in C.M. 1:5 C.I. cover with frame (Light duty) 455mm x 610mm intenal dimensions total weight of cover with frame to be not less than 38Kg. (Wt. of cover 23 Kg.) and Wt. of frame 15Kg.) (R.C.C. top slabe with 1:2:4 mix (1-cement :2- coarse sand :4-graded stone aggregate 20mm size) foundation concrete 1:5:10 inside plaster 15mm thick with cement mortar 1:3 finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete.(ii) Inside dimensions 500mm x 700 mm and 450mm deep for pipe line with one or two inlets.	3660.76	Rupees Three Thousand Six Hundred Sixty and Seventy Five Paises Only	Each	₹ 18,303.78
136	6.00	Extra over items 24.44 for every additional depth of 0.1M. of part thereof beyond 450mm depth for Brick masonry chamber.(ii) for 500mm x 700mm size.	264.86	Rupees Two Hundred Sixty Four and Eighty Six Paises Only	Each	₹ 1,589.17
137	5.00	Constructing brick masonry chamber for underground C.I. Inspection chamber and bends with bricks having crushing strength not less than 35Kg/ Cm2 in C.M. 1:5 C.I. cover with frame (Light duty) 455mm x 610mm intenal dimensions total weight of cover with frame to be not less than 38Kg. (Wt. of cover 23 Kg.) and Wt. of frame 15Kg.) (R.C.C. top slabe with 1:2:4 mix (1 cement :2- coarse sand :4-graded stone aggregate 20mm size) foundation concrete 1:5:10 inside plaster 15mm thick with cement mortar 1:3 finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete.(iii) Inside dimensions 600mm x 850 mm and 450mm deep for pipe lines with three or more inlets.	7180.44	Rupees Seven Thousand One Hundred Eighty and Forty Four Paises Only	Each	₹ 35,902.22
138	4.00	Extra over items 24.44 for every additional depth of 0.1M. of part thereof beyond 450mm depth for Brick masonry chamber.(iii) for 600mm x 850mm size.	325.59	Rupees Three Hundred Twenty Five and Fifty Nine Paises Only	Each	₹ 1,302.37
139	3.00	Providing and fixing on platform stainless steel Sink glossy ASIS 304 grade x 1mm thick with over all size 610x460mm & bowl size 560x410x200mm & SS Pillar cock with extention body like JAQUAR FUS-CHR-29021N including fixing the sink in platform & making good the same including the cost of PVC waste pipe of 32mm dia. and PVC waste coupline etc complete as directed by EIC.	9509.41	Rupees Nine Thousand Five Hundred Nine and Forty One Paises Only	Each	₹ 28,528.24
140	30.00	Providing and fixing Two way BIB cock with wall flange of genuine Jaquar ompany brand, in with model no FUS-CHR29041, water tap brand or approved ISI brand quality, fixing in peline and testing the same... etc., complete., as directed by EIC	3131.00	Rupees Three Thousand One Hundred Thirty One Only	Each	₹ 93,930.00

Item No.	Quantities Estimated But may Be More Or Less	Item of Works	Estimate Rates		Unit	Total Amount According to Estimated Quantities Rs.Ps.
			In Figures Rs.Ps.	In Words		
141	27.00	Providing and fixing wash down water closet European type WC pan (Wall Hung) like JAQUAR CNS-WHT-961SPP- SIZE 365x545x360MM and P trap distance 23.5 cms with integral P trap including jointing the trap with soil pipe in cement mortar 1:1 (1 cement : 1 find sand) including providing and fixing of 1) Health Faucet hand shower heavy duty with SS braided hose 1.2 MT long pipe to water closet - JAQUAR ALD-CHR-573 with Single Piece Slim Concealed Cistern Body with Installations Kit & "S-Type" drain pipe connection set for Wall Hung WC (without Flush Control Plate) - JCS-WHT-2400S with Control Plate Opal - JCP-CHR-152415, Toilet roll holder -Jaquar -ACN -1151N etc, complete	20412.10	Rupees Twenty Thousand Four Hundred Twelve and Ten Paisas Only	Each	₹ 5,51,126.70
142	37.00	Providing and fixing Wash Basin vitreous china table top wash basin size 560mm x 450 mm in white colour. Like JAQUAR CNS-WHT-903 SIZZE OF 425x340x175MM with single hole for pillar tape with CP or MS brackets painted white including cutting holes and making good the same including (1) Providing and fixing SS waste coupling of 32 mm dia size half theread with 80mm height like jaquar -ALD - CHR-705 for wash basin with rubber plug (2) Providing and fixing SS bottle trap with internal partition of 32mm size with 250mm &190mm long wall flange connection pipes and wall flange likejaquar ALD-769 L250X190 of approved quality with necessary fitting for wash basin (3) Providing and fixing SS Pillar cock with extention body like JAQUAR FUS-CHR-29021N with necessary fittings etc. complete (4) Providing and fixing SS finish Angular Stop Cock quarter turn like Jaquar code FUS-29053 with necessary fittings (5) Providing and fixing SS finish soap dispenser with metallic bottle like Jaquar code-ACN-CHR-1135N, Towel ring -jaquar-CAN-1121BN etc. complete	13635.00	Rupees Thirteen Thousand Six Hundred Thirty Five Only	Each	₹ 5,04,495.00
143	8.00	Providing and fixing Urinal of approved quality including connection with trap and with integral longitudinal flush pipe.(A) Squating plate pattern white earthenware size of urinal 370mm x 315x 620 mm.of jaquar make code no URS -WHT-132530 including (1) Providing and fixing SS finish waste coupling of 32 mm dia size half theread with 80mm height like jauar -ALD -709 for wash basin with rubber plug (2) Providing and fixing SS finish bottle trap with internal partition of 32mm size with 250mm &190mm long wall flange connection pipes and wall flange like jaquar ALD-769 of approved quality with necessary fitting for wash basin (3) SS finish flush valve of auto closing system like jaquar PRS-073 of approved quality and connection with waste pipe trap etc. complete	14518.75	Rupees Fourteen Thousand Five Hundred Eighteen and Seventy Five Paisas Only	Each	₹ 1,16,150.00
144	4.00	Providing and fixing Overhead Shower ø105mm Round Shape Single Flow with Air Effect (ABS Body & Face Plate Chrome Plated) with Rubit Cleaning System JAQUAR OHS-1709 & Shower Arm Casted 160mm Long Light Body Round Shape for Wall Mounted Showers with Flange JAQUAR SHA-477 & Wall Mixer 3-in-1 System with Provision for both Hand Shower and Overhead Shower Complete with 115mm Long Bend Pipe, Connecting Legs & Wall Flange (without Hand & Overhead Shower) JAQUAR QQP-7281PM, Towel Rack 600mm Long without Hangers, Stainless Steel JAQUAR ACN-1181FS approved ISI brand quality, fixing in pieline and testing the same... etc., complete., as directed by EIC etc.	22725.00	Rupees Twenty Two Thousand Seven Hundred Twenty Five Only	Each	₹ 90,900.00
145	60.00	Providing and fixing U PVC SCH40 for cold water 20 mm dia (3/4)"	89.89	Rupees Eighty Nine and Eighty Nine Paisas Only	Rmt.	₹ 5,393.40
146	10.00	Providing and fixing PVC SWR pipes IS 13592 for Drain - 75 mmdia	386.83	Rupees Three Hundred Eighty Six and Eighty Three Paisas Only	Rmt.	₹ 3,868.30
147	38.00	Providing and fixing PVC SWR P- Trap IS 14735 for Drain -110x110	357.54	Rupees Three Hundred Fifty Seven and Fifty Four Paisas Only	No.	₹ 13,586.52
148	6.00	Providing and fixing Gun metal check or non-return fullway wheel valve. (A) 50mm dia.	871.63	Rupees Eight Hundred Seventy One and Sixty Three Paisas Only	No.	₹ 5,229.78
149	102.00	Providing laying and jointing PVC SWR pipes IS 13592 for Drain - 50 mmdia it's accessories.	337.34	Rupees Three Hundred Thirty Seven and Thirty Four Paisas Only	Rmt.	₹ 34,408.68
150	6.00	Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diameter and weighing not less than 440 grams.	520.15	Rupees Five Hundred Twenty and Fifteen Paisas Only	No.	₹ 3,120.90
151	10.00	Providing and fixing SS finish Angular Stop cock for wash basin like Jaquar code FUS-29053	1742.25	Rupees One Thousand Seven Hundred Forty Two and Twenty Five Paisas Only	No.	₹ 17,422.50
152	2.00	Providing and fixing Handicap wash down water closet European type WC pan (Wall Hung) like JAQUAR CNS-WHT-961SPP- SIZE 365x545x360MM and P trap distance 23.5 cms with integral P trap including jointing the trap with soil pipe in cement mortar 1:1 (1 cement : 1 find sand) including providing and fixing of 1) Health Faucet hand shower heavy duty with SS braided hose 1.2 MT long pipe to water closet - JAQUAR ALD-CHR-573 with Single Piece Slim Concealed Cistern Body with Installations Kit & "S-Type" drain pipe connection set for Wall Hung WC (without Flush Control Plate) - JCS-WHT-2400S with Control Plate Opal - JCP-CHR-152415, Toilet roll holder -Jaquar -ACN -1151N, including grab bar etc, complete	23533.00	Rupees Twenty Three Thousand Five Hundred Thirty Three Only	Each	₹ 47,066.00

Item No.	Quantities Estimated But may Be More Or Less	Item of Works	Estimate Rates		Unit	Total Amount According to Estimated Quantities Rs.Ps.
			In Figures Rs.Ps.	In Words		
153	275.00	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	449.45	Rupees Four Hundred Forty Nine and Forty Five Paisas Only	Pt.	₹ 1,23,598.75
154	231.00	Point wiring for Tissino / Modular secondary light point with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires, in below type of pipe to be erected complete with earth continuity and necessary connection with primary light with accessories erected on Metal / PVC / wooden box covered with 3 mm thick PC(Polycarbonate) / Acrylic sheet for open / concealed wiring. with necessary Lamp holder / ceiling rose / H.D.Connector as directed. Note:- Maximum up to 6 mtrs length, excess will be considered as Mains for Secondary Point. (f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete cat III	151.50	Rupees One Hundred Fifty One and Fifty Paisas Only	Pt.	₹ 34,996.50
155	65.00	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	629.23	Rupees Six Hundred Twenty Nine and Twenty Three Paisas Only	Pt.	₹ 40,899.95
156	20.00	Point wiring for Two Way Controlled Light Point with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (green) both are of .ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires erected in below type of pipe with 6A Modular type switches and following type of accessories erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate modules erected on / in wall / ceiling as per pipe erected. with necessary batten/angle holder or ceiling rose or H.D.Connector as directed. (f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete cat III	560.55	Rupees Five Hundred Sixty and Fifty Five Paisas Only	Pt.	₹ 11,211.00
157	47.00	Point wiring for Individual Plug with & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires up to 10 mtr length, in below type of pipe erected complete with Modular type switch & 5 pin Plug erected on PVC / Metallic/Wooden box covered with appropriate front plate modules erected on / in wall / ceiling as per pipe erected with following type of accessories. [II] For 16A Plug and 16 amp switch with 2-2.5 sq.mm Cu. Wire from mcb db board. (f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete cat III	697.91	Rupees Six Hundred Ninety Seven and Ninety One Paisas Only	Pt.	₹ 32,801.77
158	20.00	[III] For 16A Plug and 16 amp switch with 2-4 sq.mm Cu. Wire with 2.5 sq.mm (green) earthing wire from mcb d b board. (f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete	818.10	Rupees Eight Hundred Eighteen and Ten Paisas Only	Pt.	₹ 16,362.00
159	120.00	Point wiring for Individual Plug with & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires up to 10 mtr length, in below type of pipe erected complete with Modular type switch & 5 pin Plug erected on PVC / Metallic/Wooden box covered with appropriate front plate modules erected on / in wall / ceiling as per pipe erected with following type of accessories. [I] For 6A Plug and 6 a switch with 2-1.5 sq.mm Cu. Wire from nearby switchboard/mcb db board (f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete	473.69	Rupees Four Hundred Seventy Three and Sixty Nine Paisas Only	Pt.	₹ 56,842.80
160	50.00	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	241.39	Rupees Two Hundred Forty One and Thirty Nine Paisas Only	Pt.	₹ 12,069.50
161	25.00	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	1081.71	Rupees One Thousand Eighty One and Seventy One Paisas Only	Ea	₹ 27,042.75
162	25.00	Providing following type of Modular Type Accessories mounted with PVC / metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate , modules erected with necessary connections as per site situation directed by Engineer In charge. (8) Computer RJ-45 socket Cat.III	153.52	Rupees One Hundred Fifty Three and Fifty Nine Paisas Only	Ea	₹ 3,838.00
163	800.00	Supplying & erecting approved make LAN cable of following size in existing pipe as per direction [C] CAT - 6	45.45	Rupees Forty Five and Forty Five Paisas Only	Mtr.	₹ 36,360.00

Item No.	Quantities Estimated But may Be More Or Less	Item of Works	Estimate Rates		Unit	Total Amount According to Estimated Quantities Rs.Ps.
			In Figures Rs.Ps.	In Words		
164	30.00	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. (3) Two Pin/RJ-11 Telephone Socket [A] For One Gang Cat.III	153.52	Rupees One Hundred Fifty Three and Fifty Two Pisasas Only	Ea	₹ 4,605.60
165	300.00	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. [A] Conductor Size 0.5 mm (a) Unarmoured (2) Two Pairs	19.19	Rupees Nineteen and Nineteen Pisasas Only	Mtr.	₹ 5,757.00
166	1.00	Providing & erecting main Distribution (MDF) indoor type, back mounted frame as per DoT standard approved with krone strips (d) Suitable for 100 pair	3300.68	Rupees Three Thousand Three Hundred and Sixty Eight Pisasas Only	Ea.	₹ 3,300.68
167	2.00	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. (4) TV Co-axial Socket outlet Cat.III	153.52	Rupees One Hundred Fifty Three and Fifty Two Pisasas Only	Ea	₹ 307.04
168	50.00	Providing & Erecting approved make following size of TV Co-axial flexible cable comprising inner conductor of solid bare copper insulated with Foam PE & Secondary conductor made of poly - Aluminium film bonded Al. Braids @ suitable coverage overall sheathed with black PVC insulation. (b) RG-6	37.37	Rupees Thirty Seven and Thirty Seven Pisasas Only	Mtr.	₹ 1,868.50
169	10.00	providing and erecting Mains with ISI marked, 1.5KV grade electrolyte multi stranded, annealed copper conductor with heat resistant PVC insulated conforms to IS 694, IEC - 227 erected in existing pipe of following size (Specifically for control panel, relays, power switchgears, motor starters & control wiring) with required size of copper lugs, nuts and bolts if required. (f) One wire 10.00 sq. mm	87.87	Rupees Eighty Seven and Eighty Seven Pisasas Only	Mtr.	₹ 878.70
170	10.00	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. (e) One wire 16.00 sq. mm	135.34	Rupees One Hundred Thirty Five and Thirty Four Pisasas Only	Mtr.	₹ 1,353.40
171	10.00	providing and erecting Mains with ISI marked, 1.5KV grade electrolyte multi stranded, annealed copper conductor with heat resistant PVC insulated conforms to IS 694, IEC - 227 erected in existing pipe of following size (Specifically for control panel, relays, power switchgears, motor starters & control wiring) with required size of copper lugs, nuts and bolts if required. (h) One wire 25.00 sq. mm	225.23	Rupees Two Hundred Twenty Five and Twenty Three Pisasas Only	Mtr.	₹ 2,252.30
172	10.00	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. (i) One wire 35.00 sq. mm	286.84	Rupees Two Hundred Eighty Six and Eighty Four Pisasas Only	Mtr.	₹ 2,868.40
173	350.00	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 (a) 2 wire 1.5 sq. mm	59.59	Rupees Fifty Nine and Fifty Nine Pisasas Only	Mtr.	₹ 20,856.50
174	1400.00	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	78.78	Rupees Seventy Eight and Seventy Eight Pisasas Only	Mtr.	₹ 1,10,292.00
175	1000.00	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 (a) 2 wire 4 sq. mm	107.06	Rupees One Hundred Seven and Six Pisasas Only	Mtr.	₹ 1,07,060.00

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			In Figures Rs.Ps.	In Words		
176	850.00	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 (b) 25 mm	32.32	Rupees Thirty Two and Thirty Two Paisas Only	Mtr.	₹ 27,472.00
177	150.00	Providing & erecting PVC Corrugated Flexible Conduit with required nos. of coupling, PVC bushes, Check-nuts etc. complete of following sizes.(2) 25 mm	20.20	Rupees Twenty and Twenty Paisas Only	Mtr.	₹ 3,030.00
178	1.00	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) (iii)8 way	1152.41	Rupees One Thousand One Hundred Fifty Two and Forty One Paisas Only	Ea	₹ 1,152.41
179	10.00	Providing and erecting Sheet Steel powder coated MCB distribution board - flush / surface mounted fitted with busbar, neutral link, earth bar and DIN rail, Conforms to IS 8623-1 & 3, IEC 61439-1 & 3 without MCB to house appropriate nos. of MCBs.(The DBs should be used of same company of MCB to be used) suitable for (B) three phase incoming and single phase horizontal type outgoing Per phase isolation type (PPI) (b) sheet steel double door (IP-43) (i)4 way	2339.16	Rupees Two Thousand Three Hundred Thirty Nine and Sixteen Paisas Only	Ea	₹ 23,391.60
180	5.00	Providing and erecting Sheet Steel powder coated MCB distribution board - flush / surface mounted fitted with busbar, neutral link, earth bar and DIN rail, Conforms to IS 8623-1 & 3, IEC 61439-1 & 3 without MCB to house appropriate nos. of MCBs.(The DBs should be used of same company of MCB to be used) suitable for (B) three phase incoming and single phase horizontal type outgoing Per phase isolation type (PPI) (b) sheet steel double door (IP-43) (ii)6 way	2913.85	Rupees Two Thousand Nine Hundred Thirteen and Eighty Five Paisas Only	Ea	₹ 14,569.25
181	5.00	Providing and erecting Sheet Steel powder coated MCB distribution board - flush / surface mounted fitted with busbar, neutral link, earth bar and DIN rail, Conforms to IS 8623-1 & 3, IEC 61439-1 & 3 without MCB to house appropriate nos. of MCBs.(The DBs should be used of same company of MCB to be used) suitable for (B) three phase incoming and single phase horizontal type outgoing Per phase isolation type (PPI) (b) sheet steel double door (IP-43) (iii)8 way	3412.79	Rupees Three Thousand Four Hundred Twelve and Seventy Nine Paisas Only	Ea	₹ 17,063.95
182	216.00	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	112.11	Rupees One Hundred Twelve and Eleven Paisas Only	Ea	₹ 24,215.76
183	2.00	Providing & erecting 240 V MCB double pole switch for lighting Load (B Curve) having 10 KA breaking capacity & confirms to IS : 8828 in existing box having following capacity (A) 6 to 32 Amp. Cat-III	278.76	Rupees Two Hundred Seventy Eight and Seventy Six Paisas Only	Ea.	₹ 557.52
184	5.00	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 (a) 6 to 32 Amp. Cat III	595.90	Rupees Five Hundred Ninety Five and Ninety Paisas Only	Ea.	₹ 2,979.50
185	7.00	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. . Cat III	668.62	Rupees Six Hundred Sixty Eight and Sixty Two Paisas Only	Ea	₹ 4,680.34

Item No.	Quantities Estimated But may Be More Or Less	Item of Works	Estimate Rates		Unit	Total Amount According to Estimated Quantities Rs.Ps.
			In Figures Rs.Ps.	In Words		
186	8.00	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 (c)63 Amp. Cat III	737.30	Rupees Seven Hundred Thirty Seven and Thirty Paises Only	Ea	₹ 5,898.40
187	16.00	providing and erecting Approved make RCCBs conforming to IS: 12640 and having sensitivity of 30 mA and Short Circuit withstand capacity of 10 KA and suitable for operation on single phase 240 V,50Hz. having characteristic of quick action & tripping with all advance feature & do not incorporate any electronic component. for following Max. rating erected as directed (i) 25Amps. DP Cat. III	1969.50	Rupees One Thousand Nine Hundred Sixty Nine and Fifty Paises Only	Ea	₹ 31,512.00
188	21.00	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	2235.13	Rupees Two Thousand Two Hundred Thirty Five and Thirteen Paises Only	Ea	₹ 46,937.73
189	24.00	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 (iii) 63 Amps. DP Cat. III	2654.28	Rupees Two Thousand Six Hundred Fifty Four and Twenty Eight Paises Only	Ea	₹ 63,702.72
190	3.00	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. (B) Suitable for 200 Amp. capacity	3202.71	Rupees Three Thousand Two Hundred Two and Seventy One Paises Only	Rn.Mtr	₹ 9,608.13
191	5.00	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. (C) Suitable for 300 Amp. capacity	4909.61	Rupees Four Thousand Nine Hundred Nine and Sixty One Paises Only	Rn.Mtr	₹ 24,548.05
192	27.00	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.	6173.12	Rupees Six Thousand One Hundred Seventy Three and Twelve Paises Only	Ea	₹ 1,66,674.24
193	2.00	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.	8055.76	Rupees Eight Thousand Fifty Five and Seventy Six Paises Only	Ea	₹ 16,111.52
194	2.00	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	16221.61	Rupees Sixteen Thousand Two Hundred Twenty One and Sixty One Paises Only	Ea	₹ 32,443.22
195	1.00	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.	20946.39	Rupees Twenty Thousand Nine Hundred Forty Six and Thirty Nine Paises Only	Ea	₹ 20,946.39
196	1	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 / 320A cat III	13353.21	Rupees Thirteen Thousand Three Hundred Fifty Three and Twenty One Paises Only	Ea	₹ 13,353.21

Item No.	Quantities Estimated But may Be More Or Less	Item of Works	Estimate Rates		Unit	Total Amount According to Estimated Quantities Rs.Ps.
			In Figures Rs.Ps.	In Words		
197	8	Providing & erecting weather proof, dust & vermin proof, floor mounted front operated indoor type cubical panel board necessary IP- 42 and above protection as per approval from engineer incharge made from 14 SWG thick CRC M.S. sheet for outer body & doors, 16 SWG thick CRC M.S.sheet for internal partitions with necessary accessories , supporting angles/ flats channel including cutting, bending, drilling, welding, riveting with internal partitions & cable alley as per requirements & instruction of engineer-in- charge with erection of supplied switch gears, BUSBARS, suitable size of inter connecting PVC copper wire / copper-aluminium strips, rubber grommets, rib, bakelite control fuses/MCB for measuring instruments, earth bus & earth bolts, foundation flange - bolts-base Plates, sufficient nos. of hinged doors, handles with locking arrangement and rubber gasket,heavy duty end terminal connection,danger notice board,necessary ventilation,earthing strip complete. The Panel shall be painted with epoxy powder coating (The rates excludes the cost of switchgears, bus bars, inter connecting mains & Copper Aluminium strips, meters, Fuses etc. The dimension shall be measured excluding base beams) The panel shall be supplied with following approved manufacturers with following size.(B) The standard companies switch gear shall be used and only manufacturers at CPRI approved factory. (i) with 350mm depth board	14902.55	Rupees Fourteen Thousand Nine Hundred Two and Fifty Five Paisas Only	Sq.Mtr	₹ 1,19,220.40
198	120	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.	77.77	Rupees Seventy Seven and Seventy Seven Paisas Only		₹ 9,332.40
199	4	Providing and erecting multifunctional meter suitable for application of Power monitoring and showing measurement of following Voltage, Frequency, Apparent energy, Apparent power, Active and reactive energy, Active and reactive power, Average voltage Vavg, Peak demand power PM, QM, SM, Demand power P, Q, S, Apparent power S, S1, S2, S3, Unbalance current, Power factor and displacement PF (signed, four quadrant), Calculated neutral current, Active, reactive, apparent energy (signed, four quadrant), Active power P, P1, P2, P3, Voltage U21, U32, U13, V1, V2, V3, Phase currents, Average current lag, Peak demand currents, Reactive power Q, Q1, Q2, Q3, Demand current I1, I2, I3, [Us] rated supply voltage 40...300 V AC 45...65 Hz, 40...300 V DC, Network frequency 50 Hz, Type of network 3P, Display type 7 segments LED, Display colour Red, Messages display capacity 3 fields of 4 characters, Display digits 12 digit(s) - 14.2 mm in height	14123.84	Rupees Fourteen Thousand One Hundred Twenty Three and Eighty Four Paisas Only	Kg.	₹ 56,495.36
200	12	Supplying and erecting approved make suitable panel indicator LED type lamp, lens cover, complete erected with necessary connections.	43.43	Rupees Forty Three and Forty Three Paisas Only	Ea	₹ 521.16
201	3	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.	274.72	Rupees Two Hundred Seventy Four and Seventy Two Paisas Only	Ea	₹ 824.16
202	1	Supplying and erecting, commissioning and testing diesel generating set having continuous rating, 3 phase, 415 volts, 50 cycles A.C. supply comprising of a totally enclosed air/water cooled diesel engine with multi-cylinders developing suitable BHP not less than following capacity at 1500 RPM with 10% overload for one hour in 24 hours with standard accessories like fly wheel, lubricating oil cooler, "A" class governor, heavy duty fuel wheel and lubricating oil filter, oil Supplying and erecting, commissioning and testing diesel generating set having continuous rating, 3 phase, 415 volts, 50 cycles A.C. supply comprising of a totally enclosed air/water cooled diesel engine with multi-cylinders developing suitable BHP not less than following capacity at 1500 RPM with 10% overload for one hour in 24 hours with standard accessories like fly wheel, lubricating oil cooler, "A" class governor, heavy duty fuel wheel and lubricating oil filter, oil bath air filler, lubricating oil pressure gauge, end exhaust manifold, standard set of tools with adjustable spanners, screw drivers, feeder gauge, cylinder head to cover, joint cylinder head to exhaust, element lube oil filter, 12/24 volts electric starting equipment complete with standard battery, dynamo, cut-outs, ammeter, necessary wiring, pressure gauge, starter etc and heavy duty Residential type exhaust silencer and vertical hot air duct both logged with asbestos rope, save oil trays, exhaust piping of required length, standard wall/floor mounted fuel with level indicator and piping and drip proof alternator, self excited, self regulated, screen protected, with excitation system, capable of delivering the rated system output at 415 volts, 3 phase, 0.8 PF, 50 Hz, 4 wire,	824178.18	Rupees Eight Lacs Twenty Four Thousand One	Ea	₹ 8,24,178.18

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			In Figures Rs.Ps.	In Words		
202	1	running at 1500 RPM, conforming to IS-4722- 1968 with voltage regulation +/- 5% of rated voltage from no load to full load. Both the engine and alternator fitted on a common fabricated steel base plate with antivibration mounting engine and alternator both connected to each other by flexible flange coupling and with floor/wall mounted control panel box comprising of voltmeter ammeter, selector switches, ACB / MCCB / MCB of adequate capacity, indicator lamps duly wired with HRC fuses. The alternator & control panel shall be connected with provided suitable capacity armoured cable and complete with Acoustic enclosure (canopy) made out of 16 SWG CRCA Sheet, sound absorbing material Rockwool of 64 density & 100 mm thick conforming to IS:8183 / PU Foam of 40 Density - at least 40 mm. The resin bonded rockwool covered from inside the canopy by perforated sheet with 3/4 mm holes, sound level not more than 75 dB at a distance of 1 mtr, as per PVCT norms. Erection, commissioning and satisfactory testing as per requirement with first filling of fuel, oil, etc. with guarantee / Warrantee of complete system for Two years. & with obtaining all necessary certificate from Electrical Inspector. The Capacity and Ratings of DG sets are as below. (M) Continuous rating of 125 KVA ,BHP not less than 154 BHP (CPCB IV+) (B) 2 to 4 core 6 Sq. mm	62775.10	Hundred Seventy Eight and Eighteen Paises Only	Ea.	₹ 6,27,170.10
203	1	Providing & erecting approved make ATS panel suitable for following size of 3 phase, 415 V., 50 cycles, A.C. diesel generating set complete of scope as detailed below: 1) Power module: Motorised Changeover switch with ATS controller, Auxiliary contactor with NO & NC contacts with Automatic Battery Charger, indicating lamps for Generator ON, Mains ON, Load and suitable control terminals and power terminals with neutral earthing studs. (E) ATS Panel for 100/ 125 KVA 3 phase DG Set	72755.35	Rupees Seventy Two Thousand Seven Hundred Fifty Five and Thirty Five Paises Only	Ea	₹ 72,755.35
204	3	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.	69.69	Rupees Sixty Nine and Sixty Nine Paises Only	Ea.	₹ 209.07
205	100	Providing following type of Modular Type Accessories mounted with PVC / metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate , modules erected with necessary connections as per site situation directed by Engineer In charge. (7) Blank Plate Single	24.24	Rupees Twenty Four and Twenty Four Paises Only	Ea.	₹ 2,424.00
206	1	Providing and erecting Approved make Earth fault Relay suitable to mount with inter connection suitable to following size of moulded case circuit breaker having CT ratio & MCCB rating as following along with shunt trip 220V AC. with all internal connections & complete erected in existing M.S.housing. (3) 250 A -400 A , CT Ratio 1/400	5415.62	Rupees Five Thousand Four Hundred Fifteen and Sixty Two Paises Only	Ea.	₹ 5,415.62
207	80	Providing and erecting XLPE(IS:7098)(I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe of following size of cables. (B) 3 core 6 Sq. mm (for ELV)	105.04	Rupees One Hundred Five and Four Paises Only	Mtr.	₹ 8,403.20
208	20	Providing and erecting XLPE(IS:7098)(I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe of following size of cables (B) 3 1/2 core 35 Sq. mm (16 Sq. mm 1/2 core) (fire panel to main panel cable)	217.15	Rupees Two Hundred Seventeen and Fifteen Paises Only	Mtr.	₹ 4,343.00
209	180	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 (F) 3 1/2 core 120 Sq. mm (70 Sq. mm 1/2 core) (DG to main panel cable)	629.23	Rupees Six Hundred Twenty Nine and Twenty Three Paises Only	Mtr.	₹ 1,13,261.40
210	50	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 (G) 3 1/2 core 150 Sq. mm (70 Sq. mm 1/2 core) (Meter to main panel cable)	726.19	Rupees Seven Hundred Twenty Six and Nineteen Paises Only	Mtr.	₹ 36,309.50
211	200	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 (A) 4 core 4 Sq. mm (DB to panel & Control cable)	115.14	Rupees One Hundred Fifteen and Fourteen Paises Only	Mtr.	₹ 23,028.00
212	220	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 (Plumbing pump to panel)	124.23	Rupees One Hundred Twenty Four and Twenty Three Paises Only	Mtr.	₹ 27,330.60
213	250	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 (C) 4 core 10 Sq. mm (DB to panel cable)	362.59	Rupees Three Hundred Sixty Two and Fifty Nine Paises Only	Mtr.	₹ 90,647.50

Item No.	Quantities Estimated But may Be More Or Less	Item of Works	Estimate Rates		Unit	Total Amount According to Estimated Quantities Rs.Ps.
			In Figures Rs.Ps.	In Words		
214	530	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 (A) 4 core 16 Sq. mm (DB to panel cable & Lift)	151.50	Rupees One Hundred Fifty One and Fifty Paisas Only	Mtr.	₹ 80,295.00
215	18	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. (A) 2 to 4 core 2.5 / 4 Sq. mm	33.33	Rupees Thirty Three and Thirty Three Paisas Only	Ea	₹ 599.94
216	14	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	38.38	Rupees Thirty Eight and Thirty Eight Paisas Only	Ea	₹ 537.32
217	14	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. (C) 2 to 4 core 10 Sq. mm	38.38	Rupees Thirty Eight and Thirty Eight Paisas Only	Ea	₹ 537.32
218	16	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. (D) 2 to 4 core 16 Sq. mm	47.47	Rupees Forty Seven and Forty Seven Paisas Only	Ea	₹ 759.52
219	2	Providing and, fixing heavy duty flange type brass double compression type cable gland with rubber ring for PVC insulated armoured cable complete with out going tails, insulating tape etc for following size of cables. (B) 3 & 1/2 core 35/50 Sq. mm	75.75	Rupees Seventy Five and Seventy Five Paisas Only	Ea	₹ 151.50
220	4	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. (E) 3 & 1/2 core 120 Sq. mm	140.39	Rupees One Hundred Forty and Thirty Nine Paisas Only	Ea	₹ 561.56
221	2	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. (F) 3 & 1/2 core 150 Sq. mm	190.89	Rupees One Hundred Ninety and Eighty Nine Paisas Only	Ea	₹ 381.78
222	88	Solder less crimping type Aluminium lugs conforming to IS suitable for cable of following size evenly crimped with high pressure tool & connected to switchgear terminals with brass/cadmium plated nut bolts in an approved manner. (A) 1.5/ 2.5/4/6 Sq.mm	6.06	Rupees Six and Six Paisas Only	Ea.	₹ 533.28
223	32	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. (B) 10 Sq.mm	13.13	Rupees Thirteen and Thirteen Paisas Only	Ea.	₹ 420.16
224	32	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. (C) 16/25 Sq.mm.	15.15	Rupees Fifteen and Fifteen Paisas Only	Ea.	₹ 484.80
225	8	Solder less crimping type Aluminium lugs conforming to IS suitable for cable of following size evenly crimped with high pressure tool & connected to switchgear terminals with brass/cadmium plated nut bolts in an approved manner. (D) 35/50 Sq.mm.	20.20	Rupees Twenty and Twenty Paisas Only	Ea.	₹ 161.60
226	16	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. (G) 120 Sq.mm.	45.45	Rupees Forty Five and Forty Five Paisas Only	Ea.	₹ 727.20
227	8	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	61.61	Rupees Sixty One and Sixty One Paisas Only	Ea.	₹ 492.88
228	15	Providing and erecting iron clad cable route marker duly marked with ELE.CABLE of size 23 cm.X 12 cm. Flushed with ground in cement foundation as directed by Engineer in charge.	240.38	Rupees Two Hundred Forty and Thirty Eight Paisas Only	Ea.	₹ 3,605.70

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			In Figures Rs.Ps.	In Words		
229	13	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. (b)For Electrical installation up to 11 KV in normal soil. Length of Pipe : 2.00 mtrs Back filling Compound :1 no. Bag of 25 Kg.	5760.03	Rupees Five Thousand Seven Hundred Sixty and Three Pisas Only	Ea	₹ 74,880.39
230	4	(c) For Electrical Installation covering Transformer Neutrals, Lightning arrester Earthing, A.C.Plant & Sensitive Computer System(like Automation, SCADA) i.e independent Earthing in normal soil. Length of Pipe : 3.00 mtrs Back filling Compound :2 nos Bags of 25 Kg.	8636.51	Rupees Eight Thousand Six Hundred Thirty Six and Fifty One Pisas Only	Ea	₹ 34,546.04
231	50	Providing and erecting required size Copper strip for earthing of H.T. OCB / ACB/ Transformer, LT panel board, Motors etc. using copper clamp.	794.87	Rupees Seven Hundred Ninety Four and Eighty Seven Pisas Only	Kg.	₹ 39,743.50
232	120	Providing and erecting required size HOT deep Galvanised iron strip for earthing of H.T. , OCB/ ACB/ Transformer LT panel board, Motors etc. using proper clamp.	77.77	Rupees Seventy Seven and Seventy Seven Pisas Only	Kg.	₹ 9,332.40
233	50	Providing and erecting Annealed bare Copper wire 8 to 16 SWG.	794.87	Rupees Seven Hundred Ninety Four and Eighty Seven Pisas Only	Kg.	₹ 39,743.50
234	65	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))	1948.29	Rupees One Thousand Nine Hundred Forty Eight and Twenty Nine Pisas Only	Ea	₹ 1,26,638.85
235	64.9924	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.	108.07	Rupees One Hundred Eight and Seven Pisas Only	Mtr.	₹ 7,023.73
236	65	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.	108.07	Rupees One Hundred Eight and Seven Pisas Only	Ea	₹ 7,024.55
237	65	Providing 2.5mm.thick laminated acrylic sheet to cover the fan hook or Fan box.	18.18	Rupees Eighteen and Eighteen Pisas Only	Ea.	₹ 1,181.70
238	31	Supplying & erecting approved make low noise decorative exhaust fan having square frame ABS body with inbuilt lowers & square frame. 200mm with 1350RPM Cat.II	1703.87	Rupees One Thousand Seven Hundred Three and Eighty Seven Pisas Only	Ea	₹ 52,819.97
239	30	Providing recess in wall or window frame suitable for erection of Exhaust fan complete with plastering and colour washing to match the colour of the wall or window complete with expanded metal in order to render the fitting in accessible and the room water-proof.	189.88	Rupees One Hundred Eighty Nine and Eighty Eight Pisas Only	Ea	₹ 5,696.40

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240	90	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 (iii) 18-20 Watts, Surge - 2KV,IP-20, conventional 4 feet	295.93	Rupees Two Hundred Ninety Five and Ninety Three Paisas Only	Ea.	₹ 26,633.70
241	60	Supplying and erecting led lamps with following wattage capacity of 220 to 240 voltage, minimum 15000 burning hours life, 500 V in built-surge protection,Polycarbonate diffuser, mounting suitable for E14 / E27 / B22 lamp holders, pf >= 0.5 (A) LED Lamps integral type, with PC diffuser suitable LAMP holder (ii) 5 to 8 watts cat III	112.11	Rupees One Hundred Twelve and Eleven Paisas Only	Ea	₹ 6,726.60
242	265	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.)(A) Square/ Circular shaped Surface/Recessed Mount Downlight with provision for spring loaded mounting clips complete.IP20 (iii) 16-20 watts, Surge-2 KV cat - III	589.84	Rupees Five Hundred Eighty Nine and Eighty Four Paisas Only	Ea	₹ 1,56,307.60
243	30	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.) (B) LED Panel Light with provision for Plane front frame with translucent cover fixed to housing complete.IP20 (vi) 36 watts, 24" x 24", Surge- 2KV cat - III	1794.77	Rupees One Thousand Seven Hundred Ninety Four and Seventy Seven Paisas Only	Ea	₹ 53,843.10
244	50	Supplying & erecting Approved make call bell indicator with buzzing sound and Red light indicating lamp with Red light button to attend the call suitable for 240 v 50 c/s supply to be erected.	142.41	Rupees One Hundred Forty Two and Forty One Paisas Only	Ea	₹ 7,120.50
245	2	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.	46648.87	Rupees Forty Six Thousand Six Hundred Forty Eight and Eighty Seven Paisas Only	Ea.	₹ 93,297.74
246	2	Supplying & erecting 5 stage single reverse osmosis water purification system with M.S. powder coated frame, prefilter housing with 'O' ring presediment filter GAC filter, carbon filter suitable buster DC pump capacity 80 psi, mention with 40 psi inline type post carbon filter auto low & high pressure switches with following size of storage tank & LPH capacity & erected as directed [C] 50 Ltr / Hr with 150 psi 2 nos booster pump	24394.53	Rupees Twenty Four Thousand Three Hundred Ninety Four and Fifty Three Paisas Only	Ea.	₹ 48,789.06

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			In Figures Rs.Ps.	In Words		
247	12	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. For 4/5 Star Rating of current year For 4/5 Star Rating of current year (b) for 1.5 ton capacity	37921.46	Rupees Thirty Seven Thousand Nine Hundred Twenty One and Forty Six Paises Only	Ea.	₹ 4,55,057.52
248	7	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. For 4/5 Star Rating of current year For 4/5 Star Rating of current year (c) for 2 ton capacity	49739.47	Rupees Forty Nine Thousand Seven Hundred Thirty Nine and Forty Seven Paises Only	Ea.	₹ 3,48,176.29
249	6	Supplying and erecting horizontal / vertical mounting type storage water heater with copper container housed in M.S./S.S./ABS body insulated with glass wool/puff complete with heating elements, adjustable thermostats 300C to 850C, indicating lamp, safety valve, fusible plug, etc. complete erected with coach bolts, nuts, washers & cementation (C)25 Ltr. with 2 KW. heating element Premium Category	9605.10	Rupees Nine Thousand Six Hundred Five and Ten Paises Only	Ea.	₹ 57,630.60
250	4	Supply, Installation with all type of Wire, Wiring, Fitting and Testing of Power Stabilizer for Controller of Power Flactuation (Specification: Input 3 Phase 4 wire system / KVA: 20Kva / AMP: 27A / Line Frequency: 47 to 63 Hz)	123046.28	Rupees One Lacs Twenty Three Thousand Forty Six and Twenty Eight Paises Only	Ea	₹ 4,92,185.12
251	1	S.I.T.C. submersible pump set suitable for bore of 100 mm. dia. or more having three phase motor capacity not more than 5 H.P. with following capacity . Lifting and Lowering taken extra. (B) (16 stage) 140 to 180 LPM discharge at 96 to 69 mtrs. head respectively suitable for 50mm dia. delivery pipe cat III	22374.53	Rupees Twenty Two Thousand Three Hundred Seventy Four and Fifty Three Paises Only	Ea	₹ 22,374.53
252	80	Providing and erecting ISI marked PVC insulated PVC Sheathed Flat flexible Submersible copper cable approved make of following Size. (C) 3 Core x 4 Sq. mm	146.45	Rupees One Hundred Forty Six and Forty Five Paises Only	Mtr.	₹ 11,716.00
253	2	Providing & erecting open well type horizontal mono block pump set with stainless steel body having following specification (C) 1 H.P. single phase open well motor pump set suitable for 185 LPM discharge @ 25 mtr. head, suitable for 32 mm dia. Delivery pipe with control panel. Cat III	9613.18	Rupees Nine Thousand Six Hundred Thirteen and Eighteen Paises Only	Ea.	₹ 19,226.36
254	2	Providing & erecting open well horizontal mono block pump set with cast iron body, complete for three phase submersible motor having [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 III	15707.52	Rupees Fifteen Thousand Seven Hundred Seven and Fifty Two Paises Only	Ea.	₹ 31,415.04
255	5	Supplying & erecting approved make Automatic liquid level controller 6A. with sensor testing as per instruction of Engineer in charge on site complete with wiring connection with existing wires , with copper conductor from pump to upper and lower tank.	2355.32	Rupees Two Thousand Three Hundred Fifty Five and Thirty Two Paises Only	Ea.	₹ 11,776.60

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256	5	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.	7250.79	Rupees Seven Thousand Two Hundred Fifty and Seventy Nine Paises Only	Ea.	₹ 36,253.95
257	10	Supplying and erecting approved make Conical Pole (Standard) 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 with required base plate and 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 terminationas erected on suitable foundation (included) with necessary GI nut-bolts/J-Bolts. as per details given by manufacturer considering site requirement.The length of poles are as below. (C) 5 Mtr. Long 65mm Top X140 mm bottom dia, 3mm thickness.	6403.40	Rupees Six Thousand Four Hundred Three and Forty Paises Only	Ea	₹ 64,034.00
258	15	Providing and erecting street light pole bracket comprising main B Class MS pipe of 4.2 cm/require outside dia. complete with suitable B Class M.S. sleeve tubing of approx. 45cms.length and suitable for 76.5 mm / 80mm. / require size pole top having sufficient fasteners for fixing the brackets and having spread of 1 mtr. length with suitable rise as per site condition & suitable welded stiffener reducer and nipple with check nut complete painted with one coat of Red oxide / PU base primer and two coats of Aluminium / PU paint. paint with following nos of arms. [A] Single Arm bracket 1 Mtr	561.56	Rupees Five Hundred Sixty One and Fifty Six Paises Only	Ea	₹ 8,423.40
259	15	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. (A) 300mm x 200mm x 100mm [deep]	898.90	Rupees Eight Hundred Ninety Eight and Ninety Paises Only	Ea	₹ 13,483.50
260	15	Supplying and erecting LED street light / Flood light fittings with High power White LEDs wattage of 3 Watt and above assembled on single MCPCB, efficiency more than 130 lm/w and corrosion free High pressure die cast aluminum housing with smooth finish powder coated and heat sink extruded aluminium with diffuser and Polycarbonate optics/ lenses, with toughened glass with company mark/name engraved or embossed 160 to 270 V,Power Factor more than 0.95, THD < 10 %, CCT 3000 K to 5700K,Uniformity ratio >0.45, Luminaire efficacy> 100 lumens/watt . LED driver efficiency > 85 %.(fittings required LM-79 & LM-80 certificates)(NOTE: Below description have shown ranges of Wattage capacity of LED fittings.The Engineer incharge may select any wattage capacity between the ranges shown.) (A) Street Light (IP-65), Surge protection -4KV integral and ,Light must have 440VAC line supply with over-voltage protection. (i) above 36 to 48 watts Cat-III	3345.12	Rupees Three Thousand Three Hundred Forty Five and Twelve Paises Only	Ea	₹ 50,176.80
261	15.00	Providing and fixing Terminal board of size 5.0 x 127 x 152.4 mm. bakelite sheet with suitable brass studs with nuts, washers and clamps of size 25mm x 3mm suitable for pole painted with one coat of red lead paint.	146.45	Rupees One Hundred Forty Six and Forty Five Paises Only	Ea.	₹ 2,196.75
262	1.00	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.	3168.37	Rupees Three Thousand One Hundred Sixty Eight and Thirty Seven Paises Only	Ea	₹ 3,168.37

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			In Figures Rs.Ps.	In Words		
263	1.00	Supplying & erecting power contactor ,AC3 duty for time switch complete erected as per direction Cat III (B) 2 pole 250V 32 Amp.	1883.65	Rupees One Thousand Eight Hundred Eighty Three and Sixty Five Paisas Only	Ea	₹ 1,883.65
264	50.00	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	44.44	Rupees Forty Four and Forty Four Paisas Only	Mtr.	₹ 2,222.00
265	40.00	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. (C) 40 mm dia.	249.47	Rupees Two Hundred Forty Nine and Forty Seven Paisas Only	Rmt	₹ 9,978.80
266	15.00	Providing and erecting Pipe type earthing with 40 mm dia 2.5 mtr long 'B' grade G.I. pipe with necessary coupling buch buried in specially prepared earth pit & G.I. earth wire of 8 SWG erected & connected as directed (For panel) For using salt and charcoal / coke as required for pipe type earthing.	994.85	Rupees Nine Hundred Ninety Four and Eighty Five Paisas Only	Ea.	₹ 14,922.75
267	250.00	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	62.62	Rupees Sixty Two and Sixty Two Paisas Only	Rmt	₹ 15,655.00
268	150.00	(D)120 mm outer dia.	137.36	Rupees One Hundred Thirty Seven and Thirty Six Paisas Only	Rmt	₹ 20,604.00
269	15.00	Providing & erecting 240 V MCB double pole switch for lighting Load (B Curve) having 10 KA breaking capacity & confirms to IS : 8828 in existing box having following capacity (A) 6 to 32 Amp. Cat-III	278.76	Rupees Two Hundred Seventy Eight and Seventy Six Paisas Only	Ea.	₹ 4,181.40
270	100.00	Making trench in Hard Murrum / Tar Road of suitable width of 90 cm or required depth for laying any size of cable or locating the fault all over the run and back filling the same and making the surface as normal ground.	62.62	Rupees Sixty Two and Sixty Two Paisas Only	Mtr.	₹ 6,262.00
271	120.00	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.	46.46	Rupees Forty Six and Forty Six Paisas Only	Mtr.	₹ 5,575.20
272	180.00	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	409.05	Rupees Four Hundred Nine and Five Paisas Only	Mtr.	₹ 73,629.00
273	1.00	Supply of Fibreglass Platform Step (A Type) Ladder - 15 FT having following specifications : It should have large fully serrated platform 15" wide 20" deep which locks ladder , Aluminium feet with thick rubber tread, top rail guard to serve as a railing, two pairs of gusset support at the bottom step and All gussets are heavy duty steel. Capacity : 300 lbs	30129.31	Rupees Thirty Thousand One Hundred Twenty Nine and Thirty One Paisas Only	Ea.	₹ 30,129.31
274	1.00	Supply of Fibreglass Platform Step (A Type) Ladder - 18 FT having following specifications : It should have large fully serrated platform 15" wide 20" deep which locks ladder , Aluminium feet with thick rubber tread, top rail guard to serve as a railing, two pairs of gusset support at the bottom step and All gussets are heavy duty steel. Capacity : 300 lbs.	33895.60	Rupees Thirty Three Thousand Eight Hundred Ninety Five and Sixty Paisas Only	Ea.	₹ 33,895.60
275	70.00	Supplying and erecting approved make GRP / FRP Perforated type Cable Tray Material – Corrosion Resistant Polyester Flame Retardant U.V. Stabilized Resin System - Manufactured from Pultruded Sections- Polyester Resin System, Glass Content : 55 – 60 % - - Standard Length : 3000mm- Support Span – 1500mm, Deflection L/200 - Specification NEMA FG1 1993- UV Resistant - Flame Retardant – IS 6746 - Appendix K/UL 94, Very Low Flammability - Specification Followed NEMA FG1 1993 Oxygen Index – Minimum 30% as per ASTM D 2863 - Flame Spread (Extent of Burning) – 20mm as per Standard ASTM D 635 - Tensile Strength – 4000 – 8000 Kg/Cm2 as per Standard ASTM D 638 - Flexural Strength – 2500 – 10000 Kg/Cm2 as per Standard ASTM D 790- Izod Impact Strength – 130 Kg/Cm2 as per Standard ASTM D 256- Compressive Strength – 2500 – 5000 Kg/Cm2 as per Standard ASTM D 695- Barcol Hardness – 50 – 65 (C) Width - 100mm , Pultruded "C" Channel with 35mm Sides 3mm Thickness, Loading 12 Kg./Mtr.	180.79	Rupees One Hundred Eighty and Seventy Nine Paisas Only	Rmt.	₹ 12,655.30

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			In Figures Rs.Ps.	In Words		
276	80.00	(D) Width - 150mm , Pultruded “C” Channel with 30mm Sides 3mm Thickness, Loading 15 Kg./Mtr.	232.30	Rupees Two Hundred Thirty Two and Thirty Pisas Only	Rmt.	₹ 18,584.00
277	120.00	(F) Width - 300mm , Pultruded “C” Channel with 50mm Sides 4mm Thickness, Loading 30 Kg./Mtr.	531.26	Rupees Five Hundred Thirty One and Twenty Six Pisas Only	Rmt.	₹ 63,751.20
278	20.00	Supplying FIRE bucket round bottom of 9 litres capacity made out of 24 gauge G.I. sheet with extra handle at bottom duly painted white inside and Red out side with FIRE mark, filled with dry-sand and kept on existing stand provided or hung on wall hook.	214.12	Rupees Two Hundred Fourteen and Twelve Pisas Only	Ea.	₹ 4,282.40
279	5.00	Supplying and erecting floor mounting stand for keeping four nos. of FIRE buckets comprising 1500 mm in length, 900 mm height frame made out of 30mm X30 mm X 4 mm angle iron with cross supports for legs, welded with 4 hooks and duly painted with one coat of red lead and two coats of approved enamelled silver paint.	942.33	Rupees Nine Hundred Forty Two and Thirty Three Pisas Only	Ea.	₹ 4,711.65
280	2.00	Providing pair of rubber hand gloves suitable for working on 11 KV/22 KV supply.	214.12	Rupees Two Hundred Fourteen and Twelve Pisas	Ea.	₹ 428.24
		Note:-				
		(a) General Features & Special Features of the all lift items shall be taken as below.				
		(d) The Rates of the following items are for the lift of Machine room less. For Machine room Lifts, rate for Rs. 1,50,000/- shall be deducted in Total Cost for the Lifts from 4 to 13 Passenger Lift. Rs. 2,00,000/- shall be deducted in Total Cost for the Lifts 15 and above passenger capacity as extra cost.				
		(A) GENERAL DESCRIPTION OF LIFTS.				
		[1] GEAR LESS LIFT DRIVE (MRL) comprising of High Starting torque Lift 3 phase 440 V A. C. Permanent Magnet Synchronous motor of proper rating with high efficiency shall be used.[2] Micro processor based / PLC, ACVVVF, vector control drive with encoder feedback closed loop system shall be used for lift car and door operation which shall be full collective selective operation hall call demand response, UP/DOWN hall stops, Main, Up/ Down Contactor with overload and phase reversal relay and safety controls.				
		[3] Car with M S platform with bracings of adequate size and to sustain the impact load cabin + passenger with safety factor of fire for steel and side panels of Stainless steel of sheet of grade 304 duty. Car ceiling will be S.S. finishes with aesthetic appearance with LED ceiling lights. Car flooring shall be of anti skid PVC with choice of colour of engineer in charge. Car doors shall be of stainless steel grade 304, hairline finish with centre opening / telescopic automatic doors. Car panel will also be S.S. 304 finished with emergency stop device, mechanical door safety device, facility of auto/ attended mode. All car panel buttons and all floor switches must be with brail language as per lift act.				
		[4] All landing doors must be fire rated for 2 hour shall be fully automatic centre opening/ telescopic opening made of hairline finish steel grade of 304 with key holes and infrared curtains with Unlocking facility from outside [5] Appropriate battery operated emergency light in the car along with alarm switch shall be provided. Also, Emergency Light & Fan should start immediately without any Time Delay as soon as power fails. [6] Digital scrolling indicator system for up-down arrow along with floor position indicator shall be provided inside the car and at all floors. [7] Full height infra red curtain with multiple cross / crossing light beams shall be provided.[8] Automatic Rescue Device (ARD) shall be provided accordingly of passenger capacity with Manual Rescue Operation (Manual Cranking Facility). [9] Audio visual indication in the lift car showing over loading shall be provided such that doors kept open till excess load is removed.				
		[10] Spring buffers/PU Buffers shall be provided. [11] Car fan as per passenger capacity with automatic sleep timer shall be provided. [12] Voice annunciator with suitable music shall be provided in lift car. [13] Self diagnostics system for operational and safety parameters shall be provided in control panel. [14] Mechanical over speed governor with governor calibration as per actual site parameters and submission of calibration certificate submission, door key holes in the floor doors, fireman switch shall be provided. [15] Lift machine hoisting arrangement in the lift machine room and monkey ladder for lift pit should be provided by the lift agency, along with the other steel structure works, foundations for the machine etc.. [16] In the hoist way fascia plate shall be provided without any extra cost, where ever required as / if directed by engineer in charge.				

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		<p>[17] Permanent wiring with necessary safety devices like RCCB in all circuit, Over Voltage Under Voltage protection and THD eliminator in circuit for lift machine room and lift well with proper numbers of light points, with fixtures, exhaust fan and plug points shall be provided by the agency. Only 3 phase Power Supply shall be made available by department in lift machine room. Necessary Earthing as per Lift Act/Rules shall be arranged by Lift Agency.</p> <p>[18] Any civil/ electrical works for additional and alteration in lift shaft and machine room related to erection of lift shall be made by lift agency without any extra cost. (granite/marble fixing around all landing door openings are not in lift agency's scope.)</p> <p>[19] Agency has to provide all working drawings and documents and liaison services for obtaining all necessary permission from lift inspector and other authorities. [20] acrylic transparent licence/display A4 size holder in lift car</p>				
		<p>[20A] As per statutory requirement of Govt. Of Gujarat lift & escalator act 2000, lift agency has to provide</p> <p>1. Car top safety barricade</p> <p>2. Push & talk communication system.</p> <p>3. Fireman's switch operation at Ground Floor. 4.carrying out third party lift inspection during/after lift erection and provide report by third party authorized by concern licensing authority 5.agency has to provide third party insurance upto completion of free maintenance period and submit the document for the same.</p>				
		<p>[21] Car Panel Operating Buttons with floor position indicator/buttons must be of Auto Glow type clearly visible when view from inside cabin.</p> <p>[22] For Physically Handicapped person Full Length Handrails of hairline finish steel grade of 304 should be provided at appropriate height on the Rear & Side Wall Panels in Lift Car.</p>				
		DESCRIPTION OF LIFT :				
		Supplying, Erecting, Testing & Commissioning the passenger / stretcher lift having following main features:				
281	1.00	<p>8/10 passengers . Ground plus 1 upper floors with Rated Speed of 1 m/sec with micro price/PLC control and ACVVVF. drive</p> <p>(C) With General PLUS ADDITIONAL SPECIAL FEATURES attached herewith. Prem. Cat.</p>	1361332.54	Rupees Thirteen Lacs Sixty One Thousand Three Hundred Thirty Two and Fifty Four Paisas Only	Ea.	₹ 13,61,332.54
282	1.00	<p>20 passengers . Ground plus 1 upper floors with Rated Speed of 1 m/sec with micro price/PLC control and ACVVVF. drive</p> <p>(C) With General PLUS ADDITIONAL SPECIAL FEATURES attached herewith. Prem. Cat.</p>	1884440.83	Rupees Eighteen Lacs Eighty Four Thousand Four Hundred Forty and Eighty Three Paisas Only	Ea.	₹ 18,84,440.83
283	9.00	<p>Supplying & erecting carbon dioxide (CO2) fire extinguisher user of following capacity with necessary clamps made from 50 x 6 mm M.S. Flat with nut & bolts grouted in wall complete.</p> <p>[A] For 4.5 Kg Capacity</p>	6591.26	Rupees Six Thousand Five Hundred Ninety One and Twenty Six Paisas Only	Ea	₹ 59,321.34
284	9.00	<p>Supplying & erecting ABC powder type 'Ceasefire' type Fire extinguisher as per IS 13849 or 1 Kg capacity with necessary clamp for erection on wall</p>	848.40	Rupees Eight Hundred Forty Eight and Forty Paisas Only	Ea	₹ 7,635.60
285	61.00	<p>SITC of Analogue Addressable Multi- Sensor which is fully compatible with Analogue Addressable Protocol, having removable high performance chamber with Twin fire LED's allow 360 degree viewing, User selectable sensitivity modes 1% to 4.5% obs/m, Incorporate Optical and dual Heat elements, lock mechanism (sensor to base), Electronically addressed, Pulsing/non-pulsing controlled from panel. Approved by LPCB & VdS. (Including Five year free maintenance with guarantee)</p>	4545.00	Rupees Four Thousand Five Hundred Forty Five Only	Ea	₹ 2,77,245.00
286	2.00	<p>SITC of sensor isolator mounting base, includes stainless steel contacts, slim profile - only 8mm, quick connection via square cable clamps, facility for remote indicator, Approved by LPCB (Including Five year free maintenance with guarantee)</p>	2424.00	Rupees Two Thousand Four Hundred Twenty Four Only	Ea	₹ 4,848.00
287	3.00	<p>SITC of Analogue Addressable Manual Call Point with Integral Short Circuit Isolator, Analogue Addressable Protocol having, Bi-coloured status LED (red for alarm, amber for (short-circuit), Non-frangible element fitted as standard (conforms to EN54), pulsing/non-pulsing can selectable via panel, Electronically addressed, Approved by LPCB. (Including Five year free maintenance with guarantee)</p>	6060.00	Rupees Six Thousand Sixty Only	Ea	₹ 18,180.00

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288	3.00	SITC of addressable loop powered Base sounder with integral Beacon, includes 51 user- selectable tones (all tones EN54-3 compatible), variable sound output 50 ~ 98 dB(A) (±2 dB(A)) output at 1 metre, Auto shut down feature prevents noise pollution, 'O' rated beacon to EN-23, IP21 rated for internal use, sounder and beacon can operate independently, Approved by LPCB (Including Five year free maintenance with guarantee)	7575.00	Rupees Seven Thousand Five Hundred Seventy Five Only	Ea	₹ 22,725.00
289	500.00	Supplying & laying of 2x1.5 sqmm fire alarm armoured cable, 600/1000V rated with annealed copper conductor having XLPE insulation, steel wire armouring & FRLS outer sheath complete as required.	124.11	Rupees One Hundred Twenty Four and Eleven Paisas Only	Mtr.	₹ 62,055.08
290	1.00	SITC of Microprocessor based Net-workable Analogue Addressable Fire Alarm Control Panel. The Panel shall be compliant with EN54-2, EN54-4 and approved by LPCB. The Fire Alarm Control Panel shall have inbuilt 3 loops and expandable upto 4 Loops. The Panel must have large graphic display. The Panel must also have the capability to take Addressable Intelligent Wired and Wireless Devices on same loop. Each loop shall have a capacity of 127 analogue Addressable devices and 127 Base sounders/Base Sounder Beacons. The Panel shall have 240 V AC power supply along with automatic Battery Charger. Approved by LPCB (Including Five year free maintenance with guarantee)	221190.00	Rupees Two Lacs Twenty One Thousand One Hundred Ninety Only	Ea	₹ 2,21,190.00
291	10.00	Supply, Installation, Testing and Commissioning of 4MP Varifocal Lens Dome Type Camera, H.265 4MP IR Turret Dome N/W Camera, Manual Varifocal 2.8-12mm, 50M, Micro SD, DC12V/PoE, IP67/IK10, Basic IVA, 4MP resolution (2560 × 1440), True day/night, Digital WDR, 3D DNR, HLC & BLC, Triple streams, Smart codec by ROI, Built in MIC, Cyber Security, Basic intelligent video analytics, Audio In, NDAA Compliance, UL, CE, FCC Certified (Including Five year free maintenance with guarantee)	13520.87	Rupees Thirteen Thousand Five Hundred Twenty and Eighty Seven Paisas Only	Ea.	₹ 1,35,208.70
292	1.00	Supply, Installation, Testing and Commissioning of 16 Channel Network Video Recorder (NVR), 1, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface, Supports H.265+/ H.265/H.264/H.264+ decoding formats, Embedded NVR, 2 HDD Bays, up to 6TB capacity each disk, HDMI, VGA output, 1-ch @ 8 MP / 4- ch @ 1080p, Incoming bandwidth 160Mbps, Outgoing 80 Mbps, CE FCC, BIS, Operating Temp -10 deg to 55 deg C, 2xUSB 2.0 1USB and serial Interface (Including Five year free maintenance with guarantee)	228145.87	Rupees Two Lacs Twenty Eight Thousand One Hundred Forty Five and Eighty Seven Paisas Only	Ea.	₹ 2,28,145.87
293	1.00	SITC of SCREEN SIZE 80 cm diagonal (32" INCH), RESOLUTION HD (1366*768), USB INPUT (2.0 SUPPORT) 2*Side(USB2.0), HDMI INPUT 3*Side(HDMI 1.4), USB DEVICE SUPPORT USB Supported HDD, HOTEL MODE Yes, Basic, BLUETOOTH Yes (Ver. 4), WIFI TYPE(STANDARD) 802.11a/b/g/n 2.4G 2T2R, Built-in, WIFI BAND TYPE 2.4GHz, OS & VERSION INFO Android 'P' - 9.0, MEMORY FLASH 8GB EMMC, RAM 1.5GB , DDR3 2133 Mhz. (Including Five year free maintenance with guarantee)	60066.72	Rupees Sixty Thousand Sixty Six and Seventy Two Paisas Only	Ea.	₹ 60,066.72
294	1.00	SITC of 24 x 10/100/1000BASE-T PoE ports 4 x Gigabit RJ45/SFP Combo ports Advanced L2 switching and security features L2+ Static Routing Optional "standard mode" or "surveillance mode" management user interface 193 W PoE budget [Approved by Competent Authority i.e. not Below the rank of Executive Engineer]	31996.80	Rupees Thirty One Thousand Nine Hundred Ninety Six and Eighty Paisas Only	Ea.	₹ 31,996.80
295	1.00	Supply, Installation, Testing and commissioning of 4 TB Surveillance Series Hard disk supporting 24X7 operational efficiency	15821.65	Rupees Fifteen Thousand Eight Hundred Twenty One and Sixty Five Paisas Only	Ea.	₹ 15,821.65
296	1.00	Providing & Erecting Netwrok rack with following capacity with Necessary cooling fan,Cable manager,6A PDU,equipment rack with necessary mounting accessories. (A) 9 U	13635.00	Rupees Thirteen Thousand Six Hundred Thirty Five Only	Ea.	₹ 13,635.00
297	1.00	Main Fire Hydrant Pump- Electric Motor Driven: SITC of: Back pull out type -Single Stage, Self Mriming, Centrifugal Pump for Main Fire Pump with Electric Motor, Base frame and Couplings. MOC:-Casing-CI, Impeller- Bronze, Shaft- SS 410, Sleeve-SS410. Flow Capacity: 2280 LPM Head: 65 mtr Speed: 2900 Approx Pump shall be capable of furnishing not less than 150% of rated capacity at a head not less than 65% of rated head The shut off head shall not exceed 120% of rated head. UOM:-Price Per Complete set of Pump + Motor + Accessories. Note:-01. Minor civil work like tank hole/ Core Cutting etc. are in bidders scope. Location: In Pump Room Make: Kirloskar / Lubi	293870.00	Rupees Two Lacs Ninety Three Thousand Eight Hundred Seventy Only	Set	₹ 2,93,870.00

Item No.	Quantities Estimated But may Be More Or Less	Item of Works	Estimate Rates		Unit	Total Amount According to Estimated Quantities Rs.Ps.
			In Figures Rs.Ps.	In Words		
298	1.00	Jockey Fire Pump- Electric Motor Driven: SITC of: Back Pull-out End Suction Type -Single Stage, Self Priming, Centrifugal Pump for Jockey Fire Pump with Electric Motor, Mechanical Seal, Base-frame and Couplings. MOC:-Casing-CI, Impeller- Bronze, Shaft- SS 410, Sleeve-SS410. Flow Capacity: 180 LPM Head: 65 mtr Speed: 2900 Approx Pump shall be capable of furnishing not less than 150% of rated capacity at a head not less than 65% of rated head The shut off head shall not exceed 120% of rated head. UOM:-Price Per Complete set of Pump + Motor + Accessories. Note:-01. Minor civil work like tank hole/ Core Cutting etc. are in bidders scope. Location: In Pump Room Make: Kirloskar / Lubi	106690.00	Rupees One Lacs Six Thousand Six Hundred Ninety Only	Set	₹ 1,06,690.00
299	1.00	Standby Fire Pump- Diesel Engine Driven SITC of: Diesel Engine driven Standby Pumping System complete with,diesel engine, Back Pull-out Type Single Stage, Self Priming, Centrifugal Pump, Couplings & Base-frame: MOC:- Pump Casing-CI, Impeller- Bronze, Shaft-SS410, Sleeve- SS410. Flow Capacity: 2280 LPM Head: 65 mtr Speed: 2900 LPM Diesel Engine includes 100 ltr diesel tank, battery, battery charger, engine oil and coolant. UOM:-Price Per Each Set. Note:-01. Minor civil work like tank hole/ Core Cutting etc. are in bidders scope. Location: In Pump Room Make: Kirloskar / Lubi	508510.00	Rupees Five Lacs Eight Thousand Five Hundred Ten Only	Set	₹ 5,08,510.00
300	1.00	Fire Pump Control Panel- Auto and Manual Type. Supply, Installation and Testing of: Electric Control Panel for Electric Motor Driven Main Fire Pump and Jockey Fire Pump. all pumps can be Start Automatically (by Pressure Switch) & Manually. Design As per the Detail Specifications given. UOM:-Price Per Set. Location: In Pump Room Make: Kirloskar / Lubi	133450.00	Rupees One Lacs Thirty Three Thousand Four Hundred Fifty Only	No.	₹ 1,33,450.00
301	1.00	Air Vessel: SITC of Pressurized Air Vessel f Size 450 mm Dia x 2000 mm long fabricated from 10 mm thick MS Plate with 25 mm drain valve, air release valve with ball valve on top and isolation valve.	40250.00	Rupees Forty Thousand Two Hundred Fifty Only	No.	₹ 40,250.00
302	20.00	Providing and erecting XLPE(IS:7098)(I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be laid on wall FRLS type with necessary clamps or in existing trench / pipe of following size of cables - 3.5 core 70 Sq. mm	530.00	Rupees Five Hundred Thirty Only	Rmt	₹ 10,600.00
303	4.00	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. - 3.5 core 70 Sq. mm	735.00	Rupees Seven Hundred Thirty Five Only	No.	₹ 2,940.00
304	8.00	Solderless 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. - 70 Sq.mm.	930.00	Rupees Nine Hundred Thirty Only	No.	₹ 7,440.00
305	30.00	Providing and erecting XLPE(IS:7098)(I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be laid on wall FRLS type with necessary clamps or in existing trench / pipe of following size of cables - 4 core 16 Sq. mm	242.00	Rupees Two Hundred Forty Two Only	R.mtr	₹ 7,260.00
306	2.00	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. - 4 core 16 Sq. mm	587.00	Rupees Five Hundred Eighty Seven Only	No.	₹ 1,174.00
307	6.00	Solderless 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. - 16 Sq.mm.	700.00	Rupees Seven Hundred Only	No.	₹ 4,200.00

Item No.	Quantities Estimated But may Be More Or Less	Item of Works	Estimate Rates		Unit	Total Amount According to Estimated Quantities Rs.Ps.
			In Figures Rs.Ps.	In Words		
308	6.00	Pressure Gauge with Siphon Tube and Cock. Supply, Installation and Testing of: Pressure Gauge with Siphon Tube and Cock. MOC:-4" Dial- Glycerin filled- Stainless Steel Body Pressure Gauge with GI Siphon Tube and Brass Cock. Size:-Dial: 4" (100 mm) Range: 0 – 16 Bar (kg/cm2) UOM:-Price Per Unit	1150.00	Rupees One Thousand One Hundred Fifty Only	No.	₹ 6,900.00
309	3.00	Pressure Switch with Siphon Tube and Cock. Supply, Installation and Testing of: Pressure Switch with Siphon Tube and Cock. Size:- Range suitable for System Design Pressure. UOM:-Price Per Unit	1265.00	Rupees One Thousand Two Hundred Sixty Five Only	No.	₹ 3,795.00
310	260.00	Pipe Laying. Supply, Fabrication, Installation, Hydro Testing & Painting of Under Ground Pipe. With necessary Pipe Fittings (Flanges, Bands, Socket etc.), MS Support/Clamps/Hangers etc. Hardware (Gaskets, Nut-Bolts, Paint, Wrapping-Coating etc.), Consumables (Welding Rod, etc.) and Labour Charge. Quality: GI, C-Class (Heavy). Paint: UOM:-Price Per Running Meter Size: 150 mm	3380.00	Rupees Three Thousand Three Hundred Eighty Only	R.mtr	₹ 8,78,800.00
311	15.00	Pipe Laying. Supply, Fabrication, Installation, Hydro Testing & Painting of Above Ground Pipe. With necessary Pipe Fittings (Flanges, Bands, Socket etc.), MS Support/Clamps/Hangers etc. Hardware (Gaskets, Nut-Bolts, Paint etc.), Consumables (Welding Rod, etc.) and Labour Charge. Quality: GI, C-Class (Heavy). Paint: UOM:-Price Per Running Meter Size: 200 mm	3745.00	Rupees Three Thousand Seven Hundred Forty Five Only	R.mtr	₹ 56,175.00
312	15.00	Pipe Laying. Supply, Fabrication, Installation, Hydro Testing & Painting of Above Ground Pipe. With necessary Pipe Fittings (Flanges, Bands, Socket etc.), MS Support/Clamps/Hangers etc. Hardware (Gaskets, Nut-Bolts, Paint etc.), Consumables (Welding Rod, etc.) and Labour Charge. Quality: GI, C-Class (Heavy). Paint: UOM:-Price Per Running Meter Size: 150 mm	2819.00	Rupees Two Thousand Eight Hundred Nineteen Only	R.mtr	₹ 42,285.00
313	57.00	Pipe Laying. Supply, Fabrication, Installation, Hydro Testing & Painting of Above Ground Pipe. With necessary Pipe Fittings (Flanges, Bands, Socket etc.), MS Support/Clamps/Hangers etc. Hardware (Gaskets, Nut-Bolts, Paint etc.), Consumables (Welding Rod, etc.) and Labour Charge. Quality: GI, C-Class (Heavy). Paint: UOM:-Price Per Running Meter Size: 100 mm	1907.00	Rupees One Thousand Nine Hundred Seven Only	R.mtr	₹ 1,08,699.00
314	68.00	Pipe Laying. Supply, Fabrication, Installation, Hydro Testing & Painting of Above Ground Pipe. With necessary Pipe Fittings (Flanges, Bands, Socket etc.), MS Support/Clamps/Hangers etc. Hardware (Gaskets, Nut-Bolts, Paint etc.), Consumables (Welding Rod, etc.) and Labour Charge. Quality: GI, C-Class (Heavy). Paint: UOM:-Price Per Running Meter Size: 80 mm	1435.00	Rupees One Thousand Four Hundred Thirty Five Only	R.mtr	₹ 97,580.00

Item No.	Quantities Estimated But may Be More Or Less	Item of Works	Estimate Rates		Unit	Total Amount According to Estimated Quantities Rs.Ps.
			In Figures Rs.Ps.	In Words		
315	48.00	Pipe Laying. Supply, Fabrication, Installation, Hydro Testing & Painting of Above Ground Pipe. With necessary Pipe Fitments (Flanges, Bands, Socket etc.), MS Support/Clamps/Hangers etc. Hardware (Gaskets, Nut-Bolts, Paint etc.), Consumables (Welding Rod, etc.) and Labour Charge. Quality: GI, C-Class (Heavy). Paint: UOM:-Price Per Running Meter Size: 65 mm	1145.00	Rupees One Thousand One Hundred Forty Five Only	R.mtr	₹ 54,960.00
316	58.00	Pipe Laying. Supply, Fabrication, Installation, Hydro Testing & Painting of Above Ground Pipe. With necessary Pipe Fitments (Flanges, Bands, Socket etc.), MS Support/Clamps/Hangers etc. Hardware (Gaskets, Nut-Bolts, Paint etc.), Consumables (Welding Rod, etc.) and Labour Charge. Quality: GI, C-Class (Heavy). Paint: UOM:-Price Per Running Meter Size: 50 mm	892.00	Rupees Eight Hundred Ninety Two Only	R.mtr	₹ 51,736.00
317	70.00	Pipe Laying. Supply, Fabrication, Installation, Hydro Testing & Painting of Above Ground Pipe. With necessary Pipe Fitments (Flanges, Bands, Socket etc.), MS Support/Clamps/Hangers etc. Hardware (Gaskets, Nut-Bolts, Paint etc.), Consumables (Welding Rod, etc.) and Labour Charge. Quality: GI, C-Class (Heavy). Paint: UOM:-Price Per Running Meter Size: 40 mm	690.00	Rupees Six Hundred Ninety Only	R.mtr	₹ 48,300.00
318	285.00	Pipe Laying. Supply, Fabrication, Installation, Hydro Testing & Painting of Above Ground Pipe. With necessary Pipe Fitments (Flanges, Bands, Socket etc.), MS Support/Clamps/Hangers etc. Hardware (Gaskets, Nut-Bolts, Paint etc.), Consumables (Welding Rod, etc.) and Labour Charge. Quality: GI, C-Class (Heavy). Paint: UOM:-Price Per Running Meter Size: 25 mm	418.00	Rupees Four Hundred Eighteen Only	R.mtr	₹ 1,19,130.00
319	2.00	Gate /SluiceValve Supply, Installation and Testing of: Gate/ Sluice (Rising Spindle -Screw & Yoke Type) Valve with necessary pipe fitments, hardware and consumables. MOC:-Body: Cast Iron, Disk: Cast Iron, Seat: Nitrile, Stem: SS. (With Flange Ends). Standard: ISI Marked. UOM:-Price Per Each No. Size: 200 mm	60835.00	Rupees Sixty Thousand Eight Hundred Thirty Five Only	No.	₹ 1,21,670.00
320	4.00	Gate /SluiceValve Supply, Installation and Testing of: Gate/ Sluice (Rising Spindle -Screw & Yoke Type) Valve with necessary pipe fitments, hardware and consumables. MOC:-Body: Cast Iron, Disk: Cast Iron, Seat: Nitrile, Stem: SS. (With Flange Ends). Standard: ISI Marked. UOM:-Price Per Each No. Size: 150 mm	36110.00	Rupees Thirty Six Thousand One Hundred Ten Only	No.	₹ 1,44,440.00

Item No.	Quantities Estimated But may Be More Or Less	Item of Works	Estimate Rates		Unit	Total Amount According to Estimated Quantities Rs.Ps.
			In Figures Rs.Ps.	In Words		
321	2.00	Gate /SluiceValve Supply, Installation and Testing of: Gate/ Sluice (Rising Spindle -Screw & Yoke Type) Valve with necessary pipe fitments, hardware and consumables. MOC:-Body: Cast Iron, Disk: Cast Iron, Seat: Nitrile, Stem: SS. (With Flange Ends). Standard: ISI Marked. UOM:-Price Per Each No. Size: 80 mm	18250.00	Rupees Eighteen Thousand Two Hundred Fifty Only	No.	₹ 36,500.00
322	2.00	Butterfly Valve Supply, Installation and Testing of: Butterfly Valve with necessary pipe fitments, hardware and consumables. MOC:-Body: Cast Iron, Disk: SS, Seat: Nitrile. UOM:-Price Per Each No. Size: 150 mm	6585.00	Rupees Six Thousand Five Hundred Eighty Five Only	No.	₹ 13,170.00
323	1.00	Butterfly Valve Supply, Installation and Testing of: Butterfly Valve with necessary pipe fitments, hardware and consumables. MOC:-Body: Cast Iron, Disk: SS, Seat: Nitrile. UOM:-Price Per Each No. Size: 80 mm	2780.00	Rupees Two Thousand Seven Hundred Eighty Only	No.	₹ 2,780.00
324	1.00	Butterfly Valve Supply, Installation and Testing of: Butterfly Valve with necessary pipe fitments, hardware and consumables. MOC:-Body: Cast Iron, Disk: SS, Seat: Nitrile. UOM:-Price Per Each No. Size: 50 mm	1770.00	Rupees One Thousand Seven Hundred Seventy Only	No.	₹ 1,770.00
325	1.00	Butterfly Valve Supply, Installation and Testing of: Butterfly Valve with necessary pipe fitments, hardware and consumables. MOC:-Body: Cast Iron, Disk: SS, Seat: Nitrile. UOM:-Price Per Each No. Size: 150 mm	4315.00	Rupees Four Thousand Three Hundred Fifteen Only	No.	₹ 4,315.00
326	4.00	Butterfly Valve Supply, Installation and Testing of: Butterfly Valve with necessary pipe fitments, hardware and consumables. MOC:-Body: Cast Iron, Disk: SS, Seat: Nitrile. UOM:-Price Per Each No. Size: 100 mm	2910.00	Rupees Two Thousand Nine Hundred Ten Only	No.	₹ 11,640.00
327	1.00	Butterfly Valve Supply, Installation and Testing of: Butterfly Valve with necessary pipe fitments, hardware and consumables. MOC:-Body: Cast Iron, Disk: SS, Seat: Nitrile. UOM:-Price Per Each No. Size: 80 mm	2220.00	Rupees Two Thousand Two Hundred Twenty Only	No.	₹ 2,220.00
328	1.00	Butterfly Valve Supply, Installation and Testing of: Butterfly Valve with necessary pipe fitments, hardware and consumables. MOC:-Body: Cast Iron, Disk: SS, Seat: Nitrile. UOM:-Price Per Each No. Size: 50 mm	1565.00	Rupees One Thousand Five Hundred Sixty Five Only	No.	₹ 1,565.00
329	1.00	Strainer. Supply, Installation and Testing of: Y Type Strainer with necessary pipe fitments, hardware and consumables. MOC:-Body: Cast Iron, Mesh: SS-304. Working Pressure: 10 Bar UOM:-Price Per Each No. Size: 200 mm	40000.00	Rupees Forty Thousand Only	No.	₹ 40,000.00
330	1.00	Air Release Valve- 25 mm Supply, Installation and Testing of: Air Release Valve Check Valve with necessary pipe fitments, hardware and consumables. MOC:-Body: Gunmetal / SS. UOM:-Price Per Each No.	1175.00	Rupees One Thousand One Hundred Seventy Five Only	No.	₹ 1,175.00
331	9.00	Fire Hydrant Landing Valve (Stainless Steel (SS-304), ISI Marked): Supply, Installation and Testing of: Fire Hydrant Landing Valve with necessary pipe fitments, hardware and consumables. MOC:-Body: Stainless Steel (SS-304), Working Parts: Stainless Steel (SS-304), Coupling: Stainless Steel (SS-304), Standard: -ISI Marked. Size:-63 mm (Flange End: NB 75 mm, PCD 160 mm) UOM:-Price Per Each No.	3735.00	Rupees Three Thousand Seven Hundred Thirty Five Only	No.	₹ 33,615.00
332	18.00	Fire Hose Pipe (Delivery Hose)- 63 mm x 15 m Supply, Installation and Testing of: Fire Hose with Hose Couplings. RRL (ISI Mark- Type A) Fire Hose. Hose Couplings: ISI Marked Stainless Steel. With SS Wire Binding. Standard: - ISI Marked & TAC Approved Hose. Size:-63 mm dia x 15m long Hose. UOM:-Price Per Each Set	3100.00	Rupees Three Thousand One Hundred Only	No.	₹ 55,800.00

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			In Figures Rs.Ps.	In Words		
333	9.00	Cabinet For Fire Hose (Hose Box)- Double Type Supply, Installation and Testing of: Fire Hose Cabinet (Hose Box) suitable to accommodate 02 no. of 15 m long fire hoses and 01 no. of nozzle. With Lock-n-key facility. Wall Mounting Design. MOC: 16 Gauge MS Box with Powder Coating Standard: - As per Guidelines. Size:- Suitable for 02 nos. of 15 m long hoses. UOM:-Price Per Each No.	2635.00	Rupees Two Thousand Six Hundred Thirty Five Only	No.	₹ 23,715.00
334	9.00	Fire Hose Nozzle- Short Branch Pipe Nozzle. Supply, Installation and Testing of: Short Branch-pipe Nozzle. MOC: Stainless Steel (SS-304). Standard: ISI Marked, Heavy Quality. Size:- 63 mm X 20 mm UOM:-Price Per Each No.	1150.00	Rupees One Thousand One Hundred Fifty Only	No.	₹ 10,350.00
335	2.00	Fire Hose Reel Set (ISI)-19 mm x 30 m -Rubber Hose. Supply, Installation and Testing of: Fire Hose Reel Set with necessary pipe fitments, hardware and consumables. MOC:-Drum: 16 G Powder Coated MS, Hose: 19 mm X 30 m heavy-duty RUBER hose. Shut-off Nozzle: SS-304. With Control Valve: SS- 25mm Ball Valve. Standard: ISI Marked. Heavy Quality. Size:- 19 mm dia x 30m long Hose. UOM:-Price Per Each No.	5485.00	Rupees Five Thousand Four Hundred Eighty Five Only	No.	₹ 10,970.00
336	2.00	Fire Service In-let (In-let Connection for Fire Brigade)-4 Way Type. Supply, Installation and Testing of: Fire Service Inlet with necessary hardware and consumables. MOC:-Body: Heavy-duty CI. Couplings/NRV: Gunmetal. Standard: -Made As per IS Standard- Heavy duty quality. Size:-Couplings: 63 mm, 150 mm E-table Flange End. UOM:-Price Per Each No.	5660.00	Rupees Five Thousand Six Hundred Sixty Only	No.	₹ 11,320.00
337	135.00	Sprinkler Head/ Nozzle. Supply, Installation and Testing of: K 5.6 Pendent type Standard Response Sprinkler rating of 57 deg.C. with required accessories. MOC:-Brass Standard: UL Listed Size:-15 mm (1/2") UOM:-Price Per Each No.	126.00	Rupees One Hundred Twenty Six Only	No.	₹ 17,010.00
338	2.00	Flow Switch Supply, Installation and Testing of: Flow Switch with necessary pipe fitments, hardware and consumables. UOM:-Price Per Each No. With all wiring/ cabling up to control panel and all electrification.	4315.00	Rupees Four Thousand Three Hundred Fifteen Only	No.	₹ 8,630.00
339	250.00	Providing and erecting XLPE(IS:7098)(I)-88 ISI armoured cable multistrand Copper conductor for 1.1 KV. to be laid on wall FRLS type with necessary clamps or in existing trench / pipe at road crossing or floor of following size of cable. (a) 3 core 2.5Sq. mm	185.00	Rupees One Hundred Eighty Five Only	Rmt	₹ 46,250.00
340	6.00	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. (a) 2 to 4 core 2.5 Sq. mm	585.00	Rupees Five Hundred Eighty Five Only	No.	₹ 3,510.00
341	24.00	Solderless crimping type Aluminium lugs conforming to IS suitable for cable of following size evenly crimped with high pressure tool & connected to switchgear terminals with brass/cadmium plated nut bolts in an approved manner. (A) 1.5/ 2.5/4/6 Sq.mm	667.00	Rupees Six Hundred Sixty Seven Only	No.	₹ 16,008.00
342	2.00	Providing and fixing, testing and commissioning of Draining Valve 50mm dia with by pass drain connection as required.	1565.00	Rupees One Thousand Five Hundred Sixty Five Only	No.	₹ 3,130.00
343	2.00	Providing and fixing, testing and commissioning of CO2 type Fire Extinguisher of capacity 22.5 kg filled with Co2 Gas as per IS 15222 with controll discharge mechanism fitted with Hose, Horn & TROLLEY confirms to IS 2878 bearing ISI mark. Co2 Cylinder as per IS 7285.	26165.00	Rupees Twenty Six Thousand One Hundred Sixty Five Only	No.	₹ 52,330.00

Item No.	Quantities Estimated But may Be More Or Less	Item of Works	Estimate Rates		Unit	Total Amount According to Estimated Quantities Rs.Ps.
			In Figures Rs.Ps.	In Words		
344	8.00	Fire Extinguisher- ABC Powder type, 6 kg. Supply, Installation and Testing of: ABC Powder Fire Extinguisher necessary hardware and consumables. Stored Pressure Mechanism. Charged with MAP-50 % (ABC) Dry Powder. With wall mounting clamp. Size:-6 kg Powder. UOM:-Price Per Each No.	2645.00	Rupees Two Thousand Six Hundred Forty Five Only	No.	₹ 21,160.00
345	8.00	Fire Extinguisher- CO2 Gas type, 4.5 kg. Supply, Installation and Testing of: CO2 Gas Fire Extinguisher with necessary hardware and consumables. Standard: - Confirming to IS: 15683-2006 with ISI Mark. Size:-4.5 kg UOM:-Price Per Each No.	5465.00	Rupees Five Thousand Four Hundred Sixty Five Only	No.	₹ 43,720.00
346	4.00	Supplying FIRE bucket round bottom of 9 litres capacity made out of 24 gauge G.I. sheet with extra handle at bottom duly painted white inside and Red out side with FIRE mark, filled with dry-sand and kept on existing stand provided or hung on wall hook.	3220.00	Rupees Three Thousand Two Hundred Twenty Only	No.	₹ 12,880.00
347	1.00	Supplying and erecting floor mounting stand for keeping four nos. of FIRE buckets comprising 1500 mm in length, 900 mm height frame made out of 30mm X30 mm X 4 mm angle iron with cross supports for legs, welded with 4 hooks and duly painted with one coat of red lead and two coats of approved enamelled silver paint.	4600.00	Rupees Four Thousand Six Hundred Only	No.	₹ 4,600.00
348	50.00	Safety Signage- Night Glow Type: SIRC of: Single Side Printed Night Glow (Glow in Dark) Safety Signage. Printed on PVC sticker sheet and pasted on 3-5 mm thick PVC foam sheet. Size: 10" X 10".	575.00	Rupees Five Hundred Seventy Five Only	No.	₹ 28,750.00
349	20.00	RCC Hume Pipe: Providing and Laying NP3 RCC Hume Pipe of 300 mm at road crossing	850.00	Rupees Eight Hundred Fifty Only	R.mtr	₹ 17,000.00
350	1.00	Approval of Fire Hydrant & Entire Fire Protection System from Local Fire Authority and any other relevant statutory authority at initial and various other stages of work, including preparation of report/drawings as per fire authority requirement. Contractor shall include cost of all liason work which are not explicitly mentioned above but are mandatory to have fire authority approval (any statutory charges will be paid extra).	100000.00	Rupees One Lacs Only	No.	₹ 1,00,000.00
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Deputy Executive Engineer
PIU, Zone -5 Surendranagar

Executive Engineer
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Deputy Executive Engineer (Ele.)
PIU, Zone -5 Surendranagar

Executive Engineer (Ele.)
PIU, Zone -5 Surendranagar