

Item Number (upto 200 characters)	Item Description	Quantity (only figures)	UNIT (upto 50 characters)	Tender Rate (Upto 2 Decimals)	Amount (Upto 2 Decimals)
1	Excavation for foundation up to 1.5 mt. depth including sorting out and stacking off useful materials and disposing off the excavated stuff up to 50 mt. lead. (A) loose or soft soil	1622.00	C.M.	117.08	189902.46
2	Excavation for foundation for depth from 1.5 mt. to 3.0 mt. depth including sorting out and stacking of useful materials and disposing off the excavated stuff up to 50 mt. lead.(A) loose or soft soil	1372.00	C.M.	129.98	178328.31
3	Laying cement concrete 1:3:6 (1 cement : 3 coarse sand :6 hand broken stone aggregates 40 mm nominal size) and curing complete excluding cost of formwork in:	120.00	C.M.	3005.76	360691.20
4	Laying cement concrete 1:3:6 (1 cement : 3coarse sand :6 hand broken stone aggregates 40 mm nominal size) and curing complete excluding cost of formwork in:	85.00	C.M.	3005.76	255489.60
5	Providing and laying controlled cement concrete M25 and curing complete including cost of formwork but excluding reinforcement for reinforced concrete work in (A) foundation, footing, base of columns and mass concrete	420.00	C.M.	4330.88	1818969.60
6	Providing and laying controlled cement concrete M25 and curing complete including cost of formwork but excluding reinforcement for reinforced concrete work in COLUMN up to Floor two lvl	248.00	C.M.	7245.74	1796943.52
7	BEAM up to floor two lvl	180.00	C.M.	6694.28	1204970.40
8	BEAM above Floor Two Lvl. Add lift 39.25 Rs ,(Item code 05015A) in RA-3 rate	187.00	C.M.	6733.92	1259243.51
9	SLAB up to floor two lvl	160.00	C.M.	6428.65	1028584.00
10	Slab above Floor Two Lvl. Add lift 39.25 Rs ,(Item code 05015A)	166.00	C.M.	6468.29	1073736.56
11	Staircase up to floor two lvl	6.00	C.M.	6863.96	41183.76
12	Providing and laying controlled cement concrete M20 grade and finishing smooth with curing etc. complete including cost of form work but excluding the cost of reinforcement for R.C.C. work in: Lintel for Up to	12.00	C.M.	6147.87	73774.44
13	Lintel for Above floor two lvl: Add lift 39.25 Rs (Pg 71,Item code 05015A) in RA-7 rate	25.00	C.M.	5436.07	135901.81
14	Chhajja for Up to floor two lvl:	5.00	C.M.	6402.39	32011.95
15	Providing TMT BAR FE 500/500D reinforcement for R.C.C. work including bending, binding and placing in position etc. comp.	124760.00	Kg.	76.21	9508533.50
16	Filling in foundation and plinth with murrum or selected soil in layers of 20 cm. thickness including watering, ramming and consolidation etc.	2994.00	C.M.	289.06	865451.63
17	Laying Granular sub base (GSB) confirming to Grading-II of Table 400.0 of compacted thick of 150mm with specified graded stone metal and sand mixed in place and laid with mechanical means spreading with motor grader and compacting with vibratory roller having minimum 80-100 KN static weight to acheve desired density of 98% of MDD including all material, labour, machinery with all leads and lift etc. complete.	24.00	C.M.	1064.54	25548.96
18	Carring out plinth treatment to post construction/existing structure by spraying chemical solution for termite control treatement including labour and material consist with I.S.I. specification.using chlordene and chiorporfiles 20 EC. As per 6131_part II consenstration weight one percent is recommended i.e one litre 20 EC chemical emulsion with 19 liter give 1% concentration inclusive of one litre chemical emulsion application at the rate of 5 liter chemical/sq.m of surface is recommended as per IS.	650.00	S.M.	55.81	36278.19
19	Brick work using common burnt clay building brick having crushing strength not less than 35 kg/sq. cm. in foundation plinth in cement mortar 1:6 (1 cement : 6 fine sand) (A)Conventional (Item code - 06002BA + 06006B ITEM-6.13+6.19, PAGE-84+85) up to floor two lvl	245.00	C.M.	3039.70	744725.52

20	(A)Conventional (Item code - 06002BA + 06006B + 06007B2A, ITEM-6.13+6.19+6.2, PAGE-84+85) above floor two lvl	92.00	C.M.	3069.78	282420.12
21	Providing 15 mm thick cement plaster in single coat on Rough (Similar) Side of single or half brick walls for interior plastering up to floor two level and finished even and smooth in (ii) Cement mortar 1 : 4 (1 cement : 4 sand) (A) Upto Floor Two lvl (Item code-17002B+17004A+17007C)	1556.00	S.M.	206.47	321274.01
22	Providing 10 mm thick cement plaster in single coat on brick/concrete walls for interior plastering and finished even and smooth in. (ii) cement mortar 1 : 4 (1 cement : 4 sand) For ceilings and soffits of stairs (10 mm thick) (A) Upto floor two level (Item Code-17001B+17004A+17006)	32.00	S.M.	189.47	6062.91
23	20mm thick sand faced cement plaster on walls upto height 10 meters above ground level consisting of 12 mm thick backing coat of C.M. 1:3 (1 cement : 3 sand) and 8mm. thick finishing coat of C.M. 1:1 (1 cement : 1 sand) etc. comp. (A) Upto 10.0 mt. height	3060.00	S.M.	300.66	920009.81
24	Providing 20 mm deep Finished groove in plaster in line and level etc, Comp. For all floor	220.00	R.M.	27.27	5999.40
25	Providing and laying Vitrified Tiles 8 to 10 mm thick, 24" x 24" in flooring treads of steps and landing laid on bed of 12 mm thick cement mortar 1:3 (1-cement : 3 coarse sand) finishing with flush pointing in white cement. For All floor	1079.00	S.M	1073.13	1157901.88
26	Providing and laying Vitrified Tiles 8 to 10 mm thick, 24" x 24" in Skirting risers of steps and dedo on 10 mm thick cement plaster 1:3 (1-cement : 3 coarse sand) and jointed with white cement slurry	295.00	S.M	1141.45	336728.19
27	Providing and laying Vitrified tiles of 8mm thick in flooring,treads of steps & Landing laid on bed of 20mm (average) base of cement mortar 1:6 (1 cement : 6coarse sand) on new surface or fixing on existing flooring by adhesive material including dismantling of existing flooring and jointed with colour cement slurry including finished with flush pointing & cleaning the surface etc. comp. Size 24" x 24" (Basic Rate-Rs.485.0/S.M.) For Antiskid tiles	752.00	S.M	947.93	712839.90
28	Providing & laying granite slab 18mm thick in flooring, treads of steps and landing laid on bed of 20mm thick cement mortar 1:6 (1 Cement : 6 coarse sand) or lime mortar 1:1.5 laid and finished with flush pointing in white or colour cement including rubbing and polishing complete. For All floor	74.00	S.M	2428.04	179674.96
29	Providing and laying polished kota stone slab 25mm thick in riser of steps , skirting Dedo and pillars laid on 10mm thick cement mortar 1:3 (1cement : 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of slab including rubbing and polishing etc. complete. For all floors	232.00	S.M	1089.67	252803.16
30	Providing & Fixing Windows having extruded Alluminum colour Anodized section frame main outer size 63.50 mm X 38.10 mm X 1.95 mm (of jindal section no: 4605 @ wt.of 1.094 kg/mt) Horizontal Two track member size 61.85 mm X 31.75 mm X 1.20 mm (of Jindal section No; 8687, @ wt.0.659 kg/mt), vertical member of size 61.85mm X 31.75mm X 1.30mm (Of jindal section no: 8758, @ wt. 0.659 kg/mt) with sliding shutters of horizontal member size 40 mm X 18mm X 1.29 mm (of Jindal section no 8949 @ wt. of 0.456 kg/mt), Vertical member of size 40mm X 18mm X 1.29 mm (of jindal section no:8947 @ wt. of.0.456 kg/mt/ Section 8948, @ Wt. 0.457 kg/mt) with 5mm thick transparent bronze colour tinted float glass with powder coated aluminium fitting & Fixtures and transparent silicon sealant glass fixing to frame as per details etc complete for window	295.00	S.M.	1713.70	505540.70
31	Providing & Laying granite slab 18mm thick in Window-Door seal Frame Etc laid on 10mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand) with nessary adhesive material and finished with flush pointing in white or colour cement, including rubbing & polishing comp. (Basic Rate:-Rs.1200.0/S.M.)	881.00	S.M.	1979.60	1744027.60
32	Labour Charges For Edge Finished For Granite	898.00	R.M.	50.50	45349.00

33	Pro. and fixing M.S. Grill of required pattern to wooden frames of window etc. with M.S. flats at equired Spacing & Frame around Square or round bar with round headed bolts & nuts or by screws (A) Plain Grill	5413.00	Kg	104.04	563169.06
34	Applying Priming coat over new steel and other metal surface after and including preparing the surface by throughly cleaning oil, grease dirt and other foreign matter and scoured with brushes fine steel wood, scrapers and sand paper with ready mixed priming paint brushing red lead Painting Two coat (excluding Priming coat) on new steel and other metal surface with synthetic enamel paint, brushing to give an even shade including cleaning the surface of all dirt, dust and other foreign matters.	136.00	S.M.	99.99	13598.64
35	Providing & fixing M.S. ladder having width 0.75 mt of work welded in built up section frame work including cutting, hosting, fixing in position and appling a priming coat of red lead paint	1000.00	Kg	64.57	64569.30
36	Applying two coat of Putty & two coats of primer of approved brand and manufacture on new wall surface to give an even shade including thoroughly brushing the surface free from mortar dropping and other foreign matter and sand papered smooth.	6292.00	S.M.	40.59	255404.23
37	Wall painting (two coat) with plastic emulsion paint of approved brand and manufacture on undecorated wall surface to given an even shade including thoroughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth.	5292.00	S.M.	80.35	425188.39
38	For ceilings and soffits	1000.00	S.M.	82.58	82577.60
39	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 remain of loose powdered material etc, complete.	3060.00	S.M.	114.53	350474.04
40	Providing & Constructing sandwitch type Polish Kotah stone cooking platform 0.6 mt. wide & 0.75 mt. height, including one end side kota stone (Double Polish) of 1.25 mt height & front Polish kota stone patti of 10 cm wide, vertical partitions of half B.M. wall in C.M 1:4 and 10mm th plaster in 1:3 with finishing smooth with cement slurry as required and steel sink of 0.45mt x 0.45mt size of approved quality and make with required all fittings & Fxitures etc. Comp as per instruction given by site in charge at all floors	92.00	RMT	1905.87	175340.04
41	Fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-Charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.)	1044.00	Kg	429.25	448137.00
42	Fixing wash down water closet (European type W.C. pan) with integral 'P' or 'S' trap incl jointing the trap with soil pipe in cement motar 1:1 (1cement :1fine sand) having following additional accessories. (A) vitreous china pattern- I in white colour (a) G.I. inlet connection for flush pipe with W.C. pan (b) plastic seat & cover for wash down water closet with c.p brass hinges and rubbers buffers of colour match to the E.W.C.pan All floor	27.00	No	1634.03	44118.77
43	Fixing 12.5 Litres low level flushing cistern with a pair , of C.I. or Mild brackets, complete with fittings such as lead valve less syphon, 15mm nominal size brass ball valve with polythene float, C.P. brass handle unions and couplings for connections, with inlet, outlet and overflow pipes, 40mm dia. porcelain enamelled flush bend including cutting holes in walls and making good the same connecting the flush bend with cistern and closet (overflow pipe to be measured and paid for separately) (A) Vitreous China (I) In white olour. All floor	27.00	No	2344.42	63299.40

44	Providing and fixing washbasin with single hole for pillar tap at all floor level with C.I. or M.S. Brackets painted white including cutting holes and making good the same including (A) Vitreous china flat back wash basin 550mm x 400 mm size in white colour (a) Rubber plug for sink or washbasin (b) chromium plate bottle trap with necessary coupling of approved quality for wash basin © pillar tap , capstan head, screw down high pressure with screw shanks and back nuts for 15mm dia. For all floors. brass screw down stop tap. (A)15mm dia.	27.00	No	2335.53	63059.42
45	Providing and Fixing 600 mm x 450 mm Bevelled edge mirror of superior glass at all floor levels, mounted on 6 mm thick A.C sheet or plywood sheet and fixing to wooden plugs with C.P brass screws and washers etc. complete.	27.00	No	833.73	22510.84
46	Providing and Fixing PVC SWR Nahni Trap IS 14735 for Drain - 75 mm diameter with jali of the following nominal diameter of self cleansing design with C.I. scread down or hinged grating including the cost of cutting and making good the walls.	80.00	No	558.36	44668.66
47	Providing and fixing S.W. Gully trap with C.I. grating brick masonry chamber and water tight C.I. cover with frame of 300 mm x 300 mm size (inside) with standard weight (i) Square mouth traps (B) 150 mm x 100 mm size 'P' or 'R' type	27.00	No	1292.19	34889.24
48	Providing and fixing Fixing screw down bib taps of following size (A) Brass screw down bib tap polished bright (i)15mm dia	167.00	No	186.83	31200.58
49	Providing and fixing gun metal check or non return full way wheel valve at floor levels, etc. complete. (B) 25 mm dia.	56.00	No	420.63	23555.54
50	(C) 40 mm dia.	28.00	No	663.43	18576.00
51	Providing and fixing Chromium plated brass half turn flush cock at all floor level, of approved quality incl. fixing in pipe line etc. comp. For all floors. (A)25mm dia	84.00	No	263.77	22156.81
52	Providing and fixing ball cock of approved quality as directed (B) Abonite (i) 25 mm Dia	28.00	No	102.91	2881.45
53	Providing and fixing in position PVC cowl vent to pipes of Prince/Supreme/jain/Astral/Tulsi/Finolex make etc comp. (B) 110 mm Dia	30.00	No	52.52	1575.60
54	(A) Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc. consisting of following operations. (a) Applying and grouting a slurry coat of neat cement using 2.75 kg/ sqm of cement admixed with proprietary water proofing compound conforming to IS : 2645 over the R.C.C. slab including cleaning the surface before treatment. (b) Laying cement concrete using broken bricks\brick bats 25 mm to 100 mm size with 50 % of cement motar 1:5 (1 Cement : 5 Coarse sand) admixed with proper water proofing compound confirming to IS : 2645 over 20 mm thick layer of cement mortar of mix 1: 5 (1 cement : 5 Coarse sand) admixed with proprietary water proofing compound confirming to IS : 2645 to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junction of walls and slabs. (c) after two days of proper curing applying a second coat of cement slurry admixed with proprietary water proofing compound conforming to IS:2645 (d) finishing the surface with 20 mm thick jointless cement mortar of mix 1:4 (1 cement : 4 course sand) admixed withproprietary water proofing compound conforming to IS: 2645 and finally finishing the surface with neat cement slurry and making of 300 x 300mm square. (e) the whole terrace so finished shall be flooded with water for a minimum period of two weeks for curring and for final test. All above operations to be done in order and as directed and specified by the Eng-in-charge.	631.00	S.M.	646.40	407878.40

55	(B) Providing and laying water proofing treatment to vertical and horizontal surfaces of depressed portions of W.C. kitchen and like consisting of : (a) I Course of applying cement slurry @ 4.4 kg/sqm mixed with water proofing compound 'impermo' of snowcane or equivalent confirming to IS : 2645 in recommended portions. (b) II Course of 20 mm cement plaster 1:3 mixed with water proofing compound in recommended proportion (c) III Course of applying blown or / residual bitumen applied hot at 1.7 kg per sqm of area. (d) IV Course of 400 micron thick PVC sheet (overlaps at joints of PVC sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 kg/sqm.)	98.00	S.M.	574.69	56319.62
56	Providing & Laying and jointing in true line and level 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 dia x 210 mm length x 196 mm height at every 2000 mm center to center or shall be concealed in walls as directed including testing of pipes and joints and jointed with adhesive solvent cement including cost of all materials. (A) 75 mm Dia	1500.00	Rmt.	262.60	393900.00
57	(B) 110 mm Dia	240.00	Rmt.	836.73	200816.28
58	Providing & fixing U-PVC pipes Confirming to IS no. 13592 (Type "A") of Prince/Supreme/Jain/Astral/ Tulsi/Finolex make for rain water at all floor levels incl. fixtures like bends, tees, shoe etc jointed with resin of approved brand & manufacture etc. comp. (B) 110 mm Dia	1400.00	Rmt.	264.62	370468.00
59	Providing & Fixing G.I. Rain water spout of 50 mm dia & 30 cm length etc.	15.00	No.	115.68	1735.13
60	Providing & fixing M.S. Holder Bat clamps at all floor levels of approved design to C.I. Or S.C.I pipes including the cost of cutting holes & making good the wall etc. Complete - 100 mm Dia.	200.00	No.	25.25	5050.00
61	Providing and Laying and jointing in true line and level U.P.V.C. pipe (SCH 40) for cold water including fittings make PRINCE / SUPREME / ASTRAL / FINOLEX or equivalent 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. (A) 15 mm Dia (Item code - ,)	701.00	Rmt.	72.65	50927.16
62	(B) 20 mm Dia (Item code - 23061,)	500.00	Rmt.	85.85	42925.00
63	(C) 25 mm Dia (Item code-23062,)	840.00	Rmt.	91.84	77145.01
64	(D) 32 mm Dia (Item code - 23063,)	800.00	Rmt.	119.15	95319.76
65	(E) 40 mm Dia (Item code-23064,)	600.00	Rmt.	148.12	88869.90
66	(F) 50 mm Dia (Item code-23065,)	960.00	Rmt.	195.67	187840.61
67	(G) 65 mm Dia (Item code-23065,)	559.00	Rmt.	252.50	141147.50
68	(H) 80 mm Dia (Item code-23065,)	700.00	Rmt.	303.00	212100.00
69	Providing & Fixing to wall, ceiling and floor galvanised Mild steel tubes (medium grade) of the following nominal bore, tube fitting & clamps including making good the wall ceiling and floor etc. complete. (A) 15 mm Dia	1400.00	Rmt.	244.98	342965.70
70	Providing & Fixing to SMART TV (LIGHT EMMITTING DIODE) TV OF 32" .	27.00	Nos.	20200.00	545400.00
71	Unbranded wooden single bed without storage with mattress	27.00	Nos.	15150.00	409050.00
72	indcool split air conditioner, wall mount type 1.5 ton	27.00	Nos.	30300.00	818100.00
73	Unbranded total volume for direct cool 50-100 total volume for frost-free NA 2 star Refrigerator	27.00	Nos.	20200.00	545400.00
74	Unbranded non-Revolving and Non-tilting chair with armrest	27.00	Nos.	2525.00	68175.00
75	Unbranded Steel shelving cabinets	27.00	Nos.	15150.00	409050.00
76	Unbranded Washer with Dryer / Extractor Top Load Single Phase	5.00	Nos.	25250.00	126250.00
77	Unbranded study table	27.00	Nos.	6060.00	163620.00

78	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	210.00	Pt.	378.75	79537.50
79	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	32.00	Pt.	106.05	3393.60
80	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	210.00	Pt.	241.39	50691.90
81	Providing & erecting Switch board for Computer or electric apparatus consisting of following modular type accessories mounted with PVC / Metallic concealed/open box with single mounting base frame covered with textured/metallic /white front plate,modules erected with necessary connections as directed 1 no. 6A/16A universal plug-switch combined. 3 nos. 6A Switch 3 nos. 6A 5 pin Plug For Modular Type Accessories Cat. III	2.00	Ea.	1081.71	2163.42
82	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	56.00	Pt.	518.13	29015.28
83	providing and erecting Mains with ISI marked electrolyte stranded copper conductor, Non PVC Zero Halogen free fire retardant insulated copper conductor, insulated wire (HRFR) conforms to IS-694, erected in existing pipe with 1.5sq. mm copper conductor of same specifications for earth continuity of following size. [c] 2 wire 1.5 sq.mm	3870.00	Mtr.	49.49	191526.30
84	[d] 2 wire 2.5 sq.mm	2409.00	Mtr.	68.68	165450.12
85	[e] 2 wire 4.0 sq.mm	350.00	Mtr.	96.96	33936.00
86	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 (h) 4 wire 6 sq. mm	2900.00	Mtr.	248.46	720534.00
87	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 (a)25 mm	9450.00	Mtr.	32.32	305424.00

88	Supplying & erecting approved make LAN cable of following size in existing pipe as per direction [C] CAT - 6	2520.00	Mtr.	45.45	114534.00
89	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	1050.00	Mtr.	19.19	20149.50
90	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	32.00	Ea.	153.52	4912.64
91	(4) TV Co-axial Socket outlet Cat.III	28.00	Ea.	153.52	4298.56
92	(7) Blank Plate Single Cat.III	120.00	Ea.	24.24	2908.80
93	(8) Computer RJ-45 socket Cat.III	56.00	Ea.	153.52	8597.12
94	(9) 16 Amp. SP one way switch	127.00	Ea.	172.71	21934.17
95	(10) 6/16 Amp. Universal socket	127.00	Ea.	190.89	24243.03
96	(14) 6A/10A/16A/20A/25A/32A Double Pole Modular MCB Switch	52.00	Ea.	390.87	20325.24
97	(21) Foot Light as per colour requirement with concealed box, modular accessories, acrylic glass cover with suitable LED watt with all accessories as per following module (a) Two modules Cat-III	27.00	Ea.	303.00	8181.00
98	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 (1) 75 mm x 50 mm trunking	34.00	Mtr.	265.63	9031.42
99	Providing & erecting PVC Corrugated Flexible Conduit with required nos. of coupling, PVC bushes, Check-nuts etc. complete of following sizes. (1) 25 mm	90.00	Mtr.	20.20	1818.00
100	Supplying and erecting LED indoor fittings with LEDs of wattage 0.2 Watt to 0.5 Watt assembled on single MCPCB, with housing used as a heat sink shall be made of thick sheet Steel conforming to IS: 513/CRCA/ aluminium die cast powder coated and high U.V. & corrosion resistance with diffuser with company mark/name 160V to 270V, Power Factor more than 0.95, THD < 15%, CCT 3000 K to 6500K, Luminaire efficacy> 85 lumens/watt ,LED LED driver efficiency > 85 % (fitting required LM-79 & LM-80 Certificates)(NOTE: Below description have shown ranges of Wattage capacity of LED fittings.The Engineer incharge may select any wattage capacity between the ranges shown.) (A) Tube Light with integral driver (iv) 22-24 Watts, Surge - 2KV,IP-20, conventional 4 feet Cat-III	134.00	Ea.	373.70	50075.80
101	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 (ii) 11-15 watts, Surge-2 KV Cat-III	78.00	Ea.	427.23	33323.94
102	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	30.00	Ea.	112.11	3363.30

103	Providing & erecting Approved make Ceiling Fan with double ball bearing ISI make with Condenser 230 volt A.C. 50 Hz 1200 mm sweep complete having ornamental design shanks. canopy erected earthing. [Make shall be approved by Engineer in Charge]	56.00	Ea	2311.89	129465.84
104	Supplying & erecting approved make low noise decorative exhaust fan having square frame ABS body with inbuilt lowers & square frame. 200mm with 1350RPM Cat.II	30.00	Ea.	1703.87	51116.10
105	Supplying & erecting single phase approved make industrial exhaust fan suitable for medium duty ring mounted low noise operation suitable for medium duty having following dia size and maximum speed in RPM [C] 380 mm dia 1400 RPM Cat.II	4.00	Ea.	3082.52	12330.08
106	Providing and erecting Street Light pole bracket comprising main B Class GI pipe of 4.2 cm/require outside dia. complete with suitable B Class G.I. sleeve tubing of approx. 45cms.length and suitable for 76.5 mm /80mm / required size of pole top having sufficient fasteners for fixing the brackets and having spread of 1.5.mtr. length with 110 deg.with vertical plane & suitable welded stays, reducer and with check nuts complete painted with one coat of Red oxide / PU base primer and two coats of Aluminium / PU paint. paint with following nos of arms.	16.00	Ea	683.77	10940.32
107	Solder less crimping type Copper lugs conforming to IS suitable for cable of following size evenly crimped with high pressure tool & connected to switchgear terminals with brass/cadmium plated nut bolts in an approved manner. (A) 1.5/2.5 to 6 Sq.mm	360.00	Ea	8.08	2908.80
108	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	38.00	Ea	33.33	1266.54
109	Providing and erecting XLPE(IS:7098)(I)-88 ISI armoured cable multistrand / Solid Copper conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe at road crossing or floor of following size of cables. (A) 4 core 2.5 Sq. mm	450.00	Mtr.	269.67	121351.50
110	Supplying & erecting approved make IP 55 grade Company fabricated Timer Panel of following capacity for switch On-Off street lights on time scheduling basis made from 16G CRCA sheet duly epoxy power painted inside and outside with hinged doors and locking arrangement consisting of suitable size of 4 Pole MCB and 4 pole contactor (cat-III)with analog time switch, auto manual switch of same make and suitable input and output Bakelite terminals and with door earthing approved by Engineer in charge. (B) 40 Amp	1.00	Ea	13350.18	13350.18
111	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. (C)150mm x 125mm x 100mm [deep]	16.00	Ea	476.72	7627.52
112	providing and erecting Miniature circuit breaker single pole 0.5A to 2A system and having breaking capacity 10 KA to be erected in existing box. confirming to IS 8828/1996 with ISI Mark Cat.III	16.00	Ea.	270.68	4330.88

113	Supplying and erecting LED street light / Flood light fittings with High power White LEDs wattage of 3 Watt and above assembled on single MCPCB, efficiency more than 130 lm/w and corrosion free High pressure die cast aluminum housing with smooth finish powder coated and heat sink extruded aluminium with diffuser and Polycarbonate optics/ lenses, with toughened glass with company mark/name engraved or embossed 160 to 270 V,Power Factor more than 0.95, THD < 10 %, CCT 3000 K to 5700K,Uniformity ratio >0.45, Luminaire efficacy> 100 lumens/watt . LED driver efficiency > 85 %.(fittings required LM-79 & LM-80 certificates)(NOTE: Below description have shown ranges of Wattage capacity of LED fittings.The Engineer incharge may select any wattage capacity between the ranges shown.) (A) Street Light (IP-65), Surge protection -4KV integral and ,Light must have 440VAC line supply with over-voltage protection. (ii) above 48 to 60 Watts Cat-III	12.00	Ea.	4997.48	59969.76
114	(B) Flood Light (IP-65), Surge protection -4KV integral and ,Light must have 440VAC line supply with over-voltage protection. (iv) above 90 to 120 watts Cat-III	4.00	Ea.	7266.95	29067.80
115	Call bell gong type suitable for 230 volts, 50 c/s. AC supply complete Erected	1.00	Ea.	40.40	40.40
116	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 (i)4 way	30.00	Ea.	2339.16	70174.80
117	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	140.00	Ea.	112.11	15695.40
118	Half / One Module Blanking Plate of Standard Size.	15.00	Ea.	9.09	136.35
119	Providing & erecting 240 V MCB double pole switch for motor & inductive 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	30.00	Ea.	299.97	8999.10
120	(B) 40 Amp. Cat.III	4.00	Ea.	330.27	1321.08
121	Providing and erecting Approved make RCCBs conforming to IS: 12640 and having sensitivity of 30 mA and Short Circuit withstand capacity of 10 KA and suitable for operation on 3 phase and neutral 415V,50Hz. having characteristic of quick action & tripping with all advance feature & do not incorporate any electronic component for following Max. rating erected as directed. (ii) 25Amps. FP	27.00	Ea.	2569.44	69374.88
122	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	32.00	Ea.	595.90	19068.80
123	(b)40 Amp. Cat.III	2.00	Ea.	668.62	1337.24

124	Providing & Erecting weather proof dust & vermin proof floor mounted front operated outdoor type double door cubical panel board necessary IP-54 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, BUSBAR, 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, handle 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 rate excludes the cost of switchgears, bus bars, inter connecting mains & Copper Aluminium strips, meters, Fuse etc. The dimension shall be measured excluding base beams) The Panel shall be supplied with following approved manufactures with following size. (B) The standard companies switch gear shall be used and only manufacturers at CPRI approved factory. (ii) with 550 mm Dept.	3.00	Sq.Mtr.	21258.48	63775.44
125	Supplying and erecting triple pole & neutral 440 V / 500 V panel mounting Aluminium Busbars with four equal Nos. of bus having current density not more than 0.8 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 busbar erected in existing cubical panel with necessary connections. (C) Suitable for 300 Amp. Capacity	7.00	Rn.Mtr.	1469.55	10286.85
126	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 250 A with variable thermal & magnetic release suitable to work on A.C. supply 50 c/s. with all internal connections, spreader tinned copper & complete erected existing 16 G.M.S. housing CONSIDER MP BASED. ICS=100% of ICU only. Cat. III	1.00	Ea	20946.39	20946.39
127	Providing & 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 -400A. CT Ratio 1/400	1.00	Ea	5415.62	5415.62
128	Providing and erecting following additional parts for panel mounting MCCBs (A) Extended operating rotary handle with pad lock with three position trip off on suitable for 25A to 250 A panel mounting Cat-III	1.00	Ea	873.65	873.65
129	Providing & Erecting 415 V MCB Four pole for Motor & Inductive Load (C Curve) having 10 KA breaking capacity & conforms to IS 8828 in existing box following capacity (a) 6 to 32 Amp. Cat. III	30.00	Ea	595.90	17877.00
130	(B) 40 Amp. Cat.III	6.00	Ea	668.62	4011.72
131	Providing & erecting 240 V MCB double pole switch for motor & inductive load (C Curve) having 10 KA breaking capacity & conforms to IS : 8828 in existing box having following capacity (A) 6 to 32 Amp. Cat.III	3.00	Ea	299.97	899.91
132	Supplying and erecting approved make suitable panel indicator LED type lamp, lens cover, complete erected with necessary connections.	15.00	Ea	43.43	651.45
133	Supplying and erecting approved make panel mounting type Digital Ammeter having 3 digital LED display external CT operated calibrated for 0 to 1000 Amps suitable to operate on 500 Volt AC erected on existing panel board with all connection wiring etc with manufactures calibration certificate	3.00	Ea	1558.43	4675.29
134	Supplying and erecting approved make panel mounting type Digital Voltmeter having 3 digital LED display 0 to 750 AC volts range erected on existing panel board with all connection wiring etc with manufactures calibration certificate.	3.00	Ea	1275.63	3826.89

135	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.	170.00	Mtr.	46.46	7898.20
136	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 (D) 120 mm outer dia	170.00	Mtr.	137.36	23351.20
137	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 (I) 3 1/2 core 240 sq.mm (120 sq.mm 1/2 core)	180.00	Mtr.	1161.50	209070.00
138	Providing and erecting XLPE(IS:7098)(I)-88 ISI armoured cable multistrand / Solid Copper conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe at road crossing or floor of following size of cables. (A) 4 core 2.5 Sq.mm	60.00	Mtr.	330.27	19816.20
139	(B) 4 core 4 Sq.mm	35.00	Mtr.	254.52	8908.20
140	Providing and erecting xLPE(IS:7098)(I)-88 ISI armoured cable multistrand Copper conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe at road crossing or floor of following size of cables. (A) 4 core 10 Sq.mm	55.00	Mtr.	673.67	37051.85
141	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 cabel. (a) 2 to 4 core 2.5 / 4 Sq.mm	25.00	Ea	33.33	833.25
142	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 cabel. (H) 3 & 1/2 core 240 Sq.mm	8.00	Ea	247.45	1979.60
143	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. (J) 240 Sq.mm	24.00	Ea	85.85	2060.40
144	(G) 120 Sq.mm	8.00	Ea	45.45	363.60
145	Solder less crimping type Copper lugs conforming to IS suitable for cable of following size evenly crimped with high pressure tool & connected to switchgear terminals with brass/cadmium plated nut bolts in an approved manner. (A) 1.5/2.5 to 6 Sq.mm	359.00	Ea	8.08	2900.72
146	Supplying & erecting earth pit of minimum bore dia. 150 mm 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 25mm having 200-250 Micron galvansing, 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 (approved make OEM has to submit test certificate) & having back filling compound of (B) Inner chemical (CCM Compound) -Resistivity - 0.2 / 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. (b) For Electrical installation up to 11 KV in normal soil. Length of pipe : 2.00 mtrs. Back filling compound : no. Bag of 25 Kg.	8.00	Ea	5760.03	46080.24
147	Providing and erecting required HOT deep Galvanised iron strip for earthing of H.T. OCB / ACB / Transformer LT panel board, Motors etc. using proper clamp.	80.00	Kg.	77.77	6221.60
148	Providing and erecting Annealed bare Copper wire 8 to 16 SWG	80.00	Kg.	794.87	63589.60

149	Providing and fixing printed instruction chart both in English and Gujarati and duly framed with front glasses for treatment of person suffering from Electrical Shock with minimum 50" diagonally size	1.00	Ea	1251.39	1251.39
150	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.	1.00	Ea	69.69	69.69
151	Providing and erecting open well type horizontal mono block pumps set with stainless steel body having following specification [C] For 3 HP 3 phase open well horizontal mono block pump set suitable for 85 LMP to 270 LMP @ 11 mtr to 33 mtr head suitable for 50/65 mm dia delivery pipe.	2.00	Ea	15707.52	31415.04
152	Providing and erecting ISI made PVC insulated PVC sheathed Flat flexible Submersible copper cable approved make of following size. (B) 3 Core × 2.5 Sq.mm	70.00	Mtr.	104.03	7282.10
153	Supplying and erecting Direct - On - Line starter with 18 A rating contractor and with 3.5 Amp. 18A range directly operated in totally insulated elegant enclosure for single phase operation up to 3 HP as per IS 13947 complete erected on P.W. Block with necessary connection. Cat-III	2.00	Ea	2100.80	4201.60
154	Supplying and 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	2.00	Ea	2355.32	4710.64
155	Providing and 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 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.	1.00	Ea	46648.87	46648.87
156	Supplying and erecting reverse osmosis (RO) water purification system with M.S. powder coated pedestal frame, purifier housing carbon filter suitable buster DC pump auto low & high pressure switches with following size of LPH capacity & erected as directed [D] 100 LPH with 1 phase / 3 phase Raw water pump of 500LPH @ 2.5kg/cm ² - (1no-Kiloskar / CRI/Lubi) Dual media filter 10"×54" - (1 No). Micron cartridge filter 20" × 2.5" (1 No). High pressure pump 500LPH @ 10Kg/cm ² - (1No - Shimge / CRI / Lubi), RO Membrane housing with RO membrane of 40*40 - (1No). RO pressure tube 4" × 1E - (1No). 0 - 1200 LPH ROTAMETER - (2 Nos.) with Recovery Rate 50%	1.00	Ea	65052.08	65052.08
157	Providing and erecting Inverter based approved make split air-conditioning unit consisting of condensing unit with variable speed fan motor, inverter type 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 Eco Friendly green gas charging and 15A plug top & Remote Control & MS Stand) with necessary core cutting. (2) For 4/5 Star Rating of current year. (B) for 1.5 ton capacity - Pressure Cat	27.00	Ea	45980.25	1241466.75
158	SITC of 2 Megapixel IR IP Bullet Camera (Fixed Lens) with Complete mounting accessories as required	8.00	Ea.	5759.48	46075.88
159	SITC of 2 Megapixel IR IP Dome Camera (Fixed Lens) with Complete mounting accessories as required	32.00	Ea.	5759.48	184303.51
160	SITC of 24 × 10/100/1000 BASE-T PoE ports 4 × Gigabit RJ45/SFP combo ports. Advanced L2 switching and security features L2+ Static Routing. Optional "standard mode" or "surveillance mode" 193 W PoE budget. [Approved by Competent Authority i.e. not Below the rank of Executive Engineer]	2.00	Ea	31996.80	63993.60
161	SITC of 32" LED Display Screen with Complete mounting accessories and HDMI Cable as required	1.00	Ea.	24257.98	24257.98
162	SITC of 4 TB Surveillance Hard Disk for NVR	10.00	Ea.	9676.67	96766.69

163	Supplying & erecting approved make LAN cable of following size in existing pipe as per direction. [C] CAT- 6	2100.00	RM	45.45	95445.00
164	SITC of 6U Wall Mount Networking Rack with Complete mounting accessories as required	1.00	Set	7828.25	7828.25
165	Supplying & erecting XLPE (Is : 7098) (I) 88 ISI unarmoured copper cable 1.1 KV grade to be erected as directed of following size. (E) 3 core 2.5 Sq.mm	80.00	Mtr.	136.35	10908.00
166	Supplying and erecting approved make online Un-interruptible Power Supply system comprising flat cum-boost charger with IGBT base rectifier & Inverter & sealed maintenance free SMF batteries. The charger having operating capacity for input 160-270V AC & inverter having output 230V,50 Hz Ac with 0.8 load power factor with battery, over/under voltage output with over load & short circuit protection equipment. The system housed in CRC sheet duly powder coated paint with following power backup.with MS painted batteries stand, 10% Overload capacity for momentary load. (C) 3 KVA with 1Hr Backup	1.00	Ea.	69331.45	69331.45
167	Supplying and erecting, commissioning and testing of Diesel Generating set confirming to IS: 4722:1968 & BS:5514 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, cylinder head to cover, joint cylinder head to exhaust, element lube oil filter, 12 / 24 volts electric starting equipment complete with standard heavy duty 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, 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	1.00	Each	824178.18	824178.18
168	Providing & erecting approved make AMF control panel suitable for following size of 3 phase, 4.15 V.. 50 cycles, A.C. diesel generating set complete of scope as detailed below : 1) Power module : A pair of electromechanically interlocked contractors (for mains & generator) Overload relay for generator contractor Neutral contractor for mains and generator power socket for connections. 2) Control and metering module Line voltage monitor Generator voltage monitor Ammeter 3 items attempt start facility. Air circute breaker/MCB/MCCB of suitable rating for auto / manual operation. Auto / manual switch. Emergency stop push buttons. Manual start push button frequency meter. Engine hour meter. Two earthing studs. 3) Protection module : The engine shutdown in the unlikely event of Low lube oil preasure High cylinder head temperature. V belt fai;ure. 4) Indicators with alarm Load on generator. 5) Indicators Load on mains Engine fails to start - Emergency stop battery charge. The AMF Panel of following capacity (C) AMF control Panel for 100 KVA/125 KVA 3 phase DG Set.	1.00	Ea	121201.01	121201.01
169	Supplying, Installing, testing & commissioning of SOLAR WATER heating system as per prevailing IS code comprising of Solar flat locket collector, stainless steel hot water storage isolated tank with S.S. heat exchanger, absorber made of copper sheet & copper tube of following capacity in liter / day (LPD) with "B" size aluminium box collector with appropriate capacity electrical back up arrangement (Excluding inlet & outlet pipe lines) (E) Capacity of 1000 LPD	4.00	Ea	159296.19	637184.76
170	Supplying & erecting carbon dioxide (CO2) fire extinguisher user of following capacity with necessary clamps made from 50 × 6 mm M.S. Flat with nut & bolts grouted in wall complete [A] For 4.5 Kg Capacity	10.00	Ea	6591.26	65912.60

171	Supplying & erecting ABC powder type 'Ceasefire' type Fire extinguisher as per IS 13849 or 1 Kg capacity with necessary clamp for erection on wall	10.00	Ea	848.40	8484.00
	TOTAL AMOUNT				42372880.17