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 upto 1.5 m depth including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(A) Loose or soft soil	450.00	Cu.m	123.13	55408.10
2	Excavation for foundation for depth from 1.5 m to 3.0 m including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(A) Loose or soft soil	400.00	Cu.m	136.47	54588.48
3	Excavation for foundation for depth from 3.0 m to 5.0 m including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(A) Loose or soft soil	15.00	Cu.m	149.65	2244.78
4	Extra for additional depth more than 5.0 m for excavation for foundation including sorting out and stacking of useful materials and disposing of the excavated stuff upto 50 m lead.(A) Loose or soft soil	1.00	Cu.m	22.18	22.18
5	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. (1Cement: 6-finesand) (B) Conventional	225.00	Cu.m	4214.33	948223.35
6	Extra for brick work in superstructure above plinth level upto floor two level (B) Conventional	225.00	Cu.m	278.22	62600.56
7	Extra for brick work in superstructure above floor two level Item No. 2(6.13) (B)Conventional	225.00	Cu.m	42.12	9476.33
8	(i) Half brick masonry in common brunt clay building bricks having crushing strength not less than 35 Kg/Sq.Cm. in Cement mortar 1:4(1- Cement : 4 -coarse sand)in foundation and plinth (B)Conventional	30.00	Sqm	629.84	18895.08
9	Extra for brick work in superstructure above plinth level upto floor two level (B) Conventional	30.00	Sqm	6.30	189.07
10	Extra for half brick masonry in superstructure above plinth level upto floor two level. (B) Conventional	30.00	Sqm	55.99	1679.83
11	Providing 10mm thick cement plaster in single coat on brick/concrete walls for interior plastering upto floor two level and finished even and smooth in (iii) Cement mortar 1:6 (1-cement:6-sand)	850.00	Sqm	117.93	100238.46

12	Providing 15mm thick cement plaster in single coat on Rough (Similar)side of single or half brick walls for interior plastering upto floor two level and finished even and smooth in (iii) Cement mortar 1:6 (1cement:6-sand)	850.00	Sqm	154.67	131470.69
14	Extra Over For Plastering of Ceilings and sofit of stairs upto floor two level instead of plastering on wall	850.00	Sqm	26.06	22149.30
15	Providing and laying ordinary cement concrete 1:2:4 (1- Cement 2- coarse sand : 4graded stone aggregates 20 mm nominal size) for R.C.C lintel including finishing smooth with,curing etc. complete including the cost of formwork but excluding the cost of reinforcement.	130.00	Cu.m	9473.56	1231562.49
16	Providing TMT Bar FE 500D reinforcement for R.C.C. work including bending, binding and placing in position complete upto floor two level	45,900.00	Kg	77.29	3547390.68
17	Providing corrugated G.I. sheet of class-3 roofing fixed with glavanished iron J or L Hooks, Bolts and nuts 8mm diameter with bitumen and G.I. limpet washer or G.I.limpet washer. filled with white lead complete excluding the cost of purlins, Rafters and Trusses.(1) 0.80 mm thick sheet.	1.00	Sqm	734.19	734.19
18	Boring holes 3.5 m deep in ordinary soil (forcast in situ piles) and getting out the soil and disposal of the surplus excavated soil as directed within a lead of 50 Meter for following diameter of pipes.(ii) 250 mm	1.00	Each	1335.62	1335.62
19	Providing and laying cement concrete 1:3:6(1-Cement : 3- Coarse sand : 6- Graded brick bat aggregate 40mm normal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth	20.00	Cu.m	3070.94	61418.71
20	Filling in foundation and plinth with murrum or selected soil in layers of 20cm. thickness including watering, ramming and consolidating etc.complete.	180.00	Cum	301.78	54320.02
21	Providing and laying controlled cement concrete M.200 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in (A) Foundations, footings, Base or columns and Mass concrete	230.00	Cu.m	4055.89	932854.08
22	Providing and laying controlled cement concrete M.200 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in(C)Slabs,landing,shelves,Balconies Lintels, Beams, Girders and Cantilever upto floor two level.	110.00	Cu.m	4581.27	503939.60

23	Providing and laying controlled cement concrete M.200 exposed work with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C. work in (A) BEAMS :(ii) Having cross-sectional area more than 0.08Sq.M and upto 0.12 Sq.M	160.00	Cu.m	9485.95	1517752.05
24	Providing and laying controlled cement concrete M.200 exposed work with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C. work in (A)Columns :(ii) Having cross-sectional area more than 0.08Sq.M and upto 0.12 Sq.M	85.00	Cu.m	12577.33	1069072.88
25	Providing formwork of ordinary timberplanking so as to give a rough finish including centering shuttering strutting and propping etc. Height of propping and centering below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. (B) Flat surfaces such as soffits of supspened floors slabs Landings and the like. (1) Floors etc. upto 200 mm in thickness.	1,750.00	Sqm	268.92	470614.55
26	Providing and laying intergral cement based water proofing treatemnt including prepartation of surface as requrird for treatment of roof, balcony, terrace etc. consisting of following operations (a) Apply and grouting a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with proprietary water proofing compound conformint to IS 2645 over the RCC slab including cleaining the surfae before treatemnt (b) laying cement concrete using broken brickbats 25mm to 100mm size with 50% of cement mortoar 1:5 admixed with water proofing compound conforming to IS2645 brickbats is finally covered by jointless cement plaster 20mm thick in CM 1:4 added with special waterproofing compound to IS 2645 and top smooth finished with trowel wiht false chequered marking of 300 mm size. The Tratement is carried along the vertical surface of the paraper and other adjoinning wall upto ht of about 300mm in a shape of quater round vata incl. curing etc. complete with avg. thickness of 120mm and mininmum thickness at khurra as 65mm (c) the whole terrace so finished shall be flooded with water for a min. period of two weeks of curing and for final test. all above orpertion to be down in order as directed and specified by the EIC with Avg. thickness of 120mm and min. thickness at khurra as 65mm	800.00	Sqm	516.11	412888.00

27	Steel work welded in built up sections, framed work including cutting, hoisting, fixing in position and applying a priming coat of red lead paint. (A) in beams & joists channels angles, tees, flats with connection plates or angle cleats as in main & cross beams,hip & trussed purlins connected to common raffers & the like.	10.00	KG.	91.38	913.83
	(C)in trusses & trussed purlins upto 25m.Span &15m.Overall height.	10.00	KG.	98.09	980.86
28	Application of Out door Texture on the surfaces of exterior walls as per Design and Selection of Architect & Engineer in -charge including Labour, Materials and Scaffolding	2,520.00	Sqm	395.92	997718.40
29	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..including chamfereing, grooving dhar polished as per Architects design and instruction from Engineer - in- charge. (Basic Rate:-Rs.1000.0/S.M.)	45.00	Sqm	2046.26	92081.70
30	Providing and Fixing of 12mm Glass Door with all fixtures and fitting in Black matt Powder coating fixed on floor spring complete with U profile on the edge complete as per Architects design and instruction from Engineer - in- charge	19.00	Sqm	9971.48	189458.07
31	Providing and Fixing 35mm Thick indian teak wood shutters for doors, windows and clearstory windows incl. indain teak wood frame of finsihed size 12cm x 7cm incl. anodized aluminum fixtures and fstenings incl. primer coat of approved quality and two coat of oil painting etc for all floor (A) Fully panelled	7.00	Sqm	5589.02	39123.12
32	Providing and Laying granite slab 18mm thick in skriting, riser of steps, dedo and pillars laid on 10mm Thick Cement mortor 1:4 (1 Cement: 4 coarse sand) and finished with flush pointing in white or colour cement inculding rubbing and poilsing comp. (Basic Rate Ts 1347.46/Sqmt)	18.00	Sqm	2473.49	44522.82

33	Providing and fixing window having extruded aluminum Colour anodized section frame main outer size 95mm x 24mm x 1.17mm @ wt.of 0.738 Kg/mt , horizontal Three track member size 92mm x 31.75mm x 1.30mm,@ Wt.1.07 Kg/mt , vertical member of size 92mm x 31.75mm x 1.50mm @ Wt. 1.06 Kg/mt with sliding shutters of horizontal member size 40 mmx18mm x1.29mm @ wt.of 0.456 Kg/mt, vertical member of size 40mm x 18mm x 1.29 mm @ 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	90.00	Sqm	1583.95	142555.74
34	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) laid and finished with flush pointing in white or colour cement including rubbing and polishing complete including specilised work for exposed stone work, chamfereing, grooving, dhar polished as per Architects design and instruction from Engineer-in- charge. (Basic Rate:- Rs.1374.46/S.M.)	735.00	Sqm	2434.10	1789063.50
35	Applying two coats of putty & two coats of primer of approved brand and manufacture on new wall surface to give an even shade including thoroughly brushing the surface free from mortar dropping and other foreign matter and sand papered smooth.	4,170.00	Sqm	40.59	169268.22
36	Providing and laying polished Kota stone slab flooring over 20mm (Average) thick base of cement mortar 1:6 (1-cement : 6coarse 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	1.00	Sqm	1110.75	1110.75

37	Providing and laying Vitrified tiles 8 to 10mm thick , 24" x 24" in skrting risers of steps and dedo on 10mm thick cement plaster 1:3 (1-cement : 3-coarse sand) and jointed with white cement slurry	1.00	Sqm	1135.80	1135.80
38	Constructing a cooking platform 60 cm. width and 70 cm high resting on B.B.Masonry walls 23 cm.thick in C.M.(1:6) with (ii) Fixing black kadappa stone 30mm thick laid on precast R.C.C. (1:2:4) slab with plastering on exposed faces of wall in C.M. (1:4) etc complete.	1.00	Rmt	2656.06	2656.06
39	Wall painting (two coats) with plastic emulsion paint of approved brand and manufacture on undecorated wall surface to give an even shade including throughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth.	1,650.00	Sqm	83.36	137536.25
40	Providing and Fixing 15mm Thick False Ceiling tiles at all heights with integral densified calcuim silicate reinforced with Fiber and natural filler false ceiling tiles of size 595 x 595mm of approved texture, design and patterns having NRC of 0.5(minimum) as per IS 8225:1987, Light reflectance of 85%(minium). Non Combustible as per BS:476(Part-4), Fire performance as per BS:476 (Part 6 & 7), Humidity resistance of 100% Thermal Conductivity<.043 W/m K as per ASTM 518:1991, in True horizonatal level on the existing frame work consisting of Tsection and L Section suitaly fixed according to tile size as per direction of Engineer in Charge	575.00	Sqm	1799.01	1034431.90
41	Point wiring for Light / Bell with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires up to 10 mtr length , in below type of pipe erected with 6A Modular type switch / bell push & accessories and earth continuity of following type, erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured/metallic/white front plate modules erected on / in wall / ceiling as per pipe erected, with necessary Lamp holder/ceiling rose / H.D.Connector as directed. (j) in existing pipe erected concealed in wall/ceiling complete	210	Pt.	410.06	86112.60

42	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 four or more step type electronic fan regulator with separately mounted and accessories with earth continuity of following type erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured/metallic/white front plate modules erected on / in wall / ceiling as per pipe erected. with necessary ceiling rose / H.D.Connector as directed. (j) in existing pipe erected concealed in wall/ceiling complete	34	Pt.	556.51	18921.34
43	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.[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.(j) in existing pipe erected concealed in wall/ceiling complete	28	Pt.	702.96	19682.88
44	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	30	Pt.	257.55	7726.50
	(7) Blank Plate Single	25	Each	25.25	631.00
	(9) 16 Amp. SP one way switch	28	Each	180.79	5062.00
	(10) 6/16Amp. Universal socket	28	Each	199.98	5599.00
45	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 Do as above (b) 25 mm	7898	Mtr	33.33	263240.00
46	SETC of PVC Corrugated Flexible Conduit with required nos. of coupling, PVC bushes, Check-nuts etc. complete of following sizes. (2) 25 mm	100	Mtr	21.21	2121.00

47	Providing and erecting Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected concealed in /flushed on wall/ceiling, with 1.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size. (E) in existing pipe(b) 2 wire 2.5 sq. mm	3500	Mtr	62.62	219170.00
48	providing and erecting Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected in / on wall / ceiling with 2.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size. (E) in existing pipe (a) 2 wire 4 sq. mm	1500	Mtr	86.86	130290.00
	(b) 2 wire 6 sq. mm	10	Mtr	121.20	1212.00
	(h) 4 wire 6 sq. mm	1000	Mtr	155.54	155540.00
	(i) 4 wire 10 sq. mm (use earth wire of 4 sq.mm)	500	Mtr	398.95	199475.00
49	Providing and erecting Approved make Ceiling fan with double ball bearing ISI mark with condenser A.C. 23OV.50 c/s.1200 mm. sweep complete, canopy erected on existing hook or clamp with earthing. [Make shall be approved by Engineer in charge]	42	Each	2311.89	97099.38
50	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.	42	Each	108.70	4565.40
51	Providing Fan clamp of 30 x 5 mm flat of required length & 10 mm M.S. Bolt & Nuts erected with necessary hook of 10 mm M.S. Round Bar.	42	Each	98.98	4157.16
52	Providing 2.5mm.thick laminated acrylic sheet to cover the fan hook or Fan box.	42	Each	18.18	763.56

53	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-lll	126	each	1794.77	226141.02
54	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) (a) Double door (IP-43)(i) 12 Way	4	Ea.	3874.36	15497.44
55	Miniature circuit breaker single pole 6A to 25A suitable to operate on 240 V A.C. system C Curve and having breaking capacity 10 KA to be erected in existing box. confirming to IS 8828/1996 with ISI Mark Cat. III	96	Each	112.11	10762.56
56	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)63 Amp.Cat. III	4	Each	737.30	2949.20
57	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	36	Each	2235.13	80464.68

58	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.(A) For 3 star rated AC machine (3.00 to 3.99 Star)(C) for 1.7 to 2 ton capacity - Premium Cat.	28	Each	56353.96	1577910.88
59	Supplying & installing MS standard type stand mounting for outdoor unit of Split A.C. upto 4 TR capacity erected with necessary hardware materials as directed.	28	Each	746.39	20898.92
60	Supplying and erecting insulated pair of soft copper tubing open or concealed including power and control cable,necessary PVC drain pipes for Split AC machine up to 4 TR capacity	120	Mtr.	960.51	115261.20
61	Providing and erecting Annealed bare Copper wire 8 to 16 SWG.	30	kg	794.87	23846.10
62	[C] For Electrical Installation covering Transformer Neutrals, Lightning arrester Earthing, A.C.Plant & Sensitive Computer System(like Automation, SCADA) i.e. independent Earthing located in other than normal soil i.e. Soft Rock, Marshy Soil etc.. -Length of Pipe : 3 Mtrs. -Back filling Compound :2 nos Bags of 25 Kg.	4	Each	10593.89	42375.56
63	Providing on e Bag of 25 Kg Additiona Back Filling Comound (BFC) Suitable for Safe Earthing Device	10	Each	707.00	7070.00
64	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)	100	Mtr	540.35	54035.00
65	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	2	Each	140.39	280.78
66	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. (E) 70 Sq.mm.	2	Each	25.25	50.50

	(G) 120 Sq.mm.	6	Each	45.45	272.70
67	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.	80	Mtr	55.55	4444.00
68	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	80	Mtr	137.36	10988.80
69	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 accesories , supporting angles/ flats channel including cutting, bending, drilling, welding, riveting with internal partitions & cable alley as per requirements & instruction of engineer-in-charge with erection of supplied switch gears, BUSBARS, suitable size of inter connecting PVC copper wire / copper-aluminium strips, rubber grommets, rib, bakelite control fuses/MCB for measuring instruments, earth bus & earth bolts, foundation flange - bolts-base Plates, sufficient nos. of hinged doors, handles with locking arrangement and rubber gasket,heavy duty end terminal connection,danger notice board,necessary ventilation,earthing strip complete. The Panel shall be painted with epoxy powder coating. (The rates excludes the cost of switchgears, bus bars, inter connecting mains & Copper Aluminium strips, meters, Fuses etc. The dimension shall be measured excluding base beams) The panel shall be supplied with following approved manufacturers with following size. (C) The standard companies switch gear shall be used and only manufacturers at CPRI approved factory as per IEC 61439 for beneficial use. (i) with 350mm depth	2	SQM	17954.77	35909.54
70	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.	50	KG	77.76	3888.00

71	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.(b) One wire 1.50 sq. mm	100	Mtr	17.17	1717.00
	(i) One wire 35.00 sq. mm	70	Mtr	300.98	21068.60
	(j) One wire 50.00 sq. mm	80	Mtr	470.66	37652.80
	(k) One wire 70.00 sq. mm	60	Mtr	669.63	40177.80
	(l) One wire 95.00 sq. mm	75	Mtr	919.10	68932.50
	(l) One wire 120.00 sq. mm	60	Mtr	1178.67	70720.20
72	Providing and erecting Approved make Four pole moulded case circuit breaker having breaking capacity ICU of 50 KA and above at 415 V having Normal current rating 250A. with variable Thermal & magnetic release suitable to work on A.C.supply 50 c/s. With all internal connections, spreader tinned copper & complete erected in existing 16 G.M.S. housing. ICS=100% of ICU only Cat II	1	Each	20946.39	20946.39
73	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. cat-II	6	Each	8055.76	48334.56
74	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-II	6	Each	873.65	5241.90
75	(B)Extended operating rotary handle with pad lock with three position trip,off,on suitable for 400A to 630 A panel mounting cat-II	1	Each	1310.98	1310.98
76	Supplying and erecting triple pole & neutral 440V/ 500V 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	8	Rmt	1469.55	11756.40

77	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	4	Each	5415.62	21662.48
78	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.. (4) 600 A -800 A , CT Ratio 1/800	1	Each	6065.97	6065.97
79	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 Iag, 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	1	Each	14123.84	14123.84
80	Providing and fixing printed instruction chart both in English and Gujarati and duly framed with front glasses, for treatment of person suffering from Electric shock with minimum 50" diagonally size.	1	Each	130.29	130.29
81	Supplying rubber matting of following thickness as per IS:15652/IEC 61111(c)12mm	2	SQM	3081.51	6163.02
82	Supplying stand first AID box with antiseptic cream, medicine for use on wounds due burn, crepe bandage, gauge bandage, medicated ready to use bandage (Band-aid) adhesive tape for medicinal user, Scissors, anti-septic solution (Savlon or similar) etc. (All above contents shall be of standard makes)	1	Each	299.97	299.97

83	providng and erecting Approved make. Indiction LED Light complete erected as directed with necessary earth wire. Cat. II	3	Each	2105.85	6317.55
84	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.(B) 4 core 16 Sq. mm	400	Mtr	987.78	395112.00
85	**Vent/Rain Water Pipe** Providing & fixing U-PVC pipes Confirming to IS no. 13592 (Type "A") for vent & rain water at all floor levels incl. fixtures like bends, tees, shoe etc joined with resin of approved brand & manufacture etc. comp. Make: Supreme/Astral/Finolex/Astor(B)110mm dia	110	Rmt.	724.17	79658.70
86	Providing and fixing in position cowel went to pipes. (C) 100mm dia	4	Each	501.87	2007.48
87	Providing & fixing **clamps with slotted base, U bolt & nut & washer** for vertical pipes including the cost of cutting holes & making good the wall etc. (A) 40 TO 65 mm Dia	10	Each	376.73	3767.30
87.1	(C) 110 mm Dia.	10	Each	393.90	3939.00
88	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) 600mm x 600mm 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 600mm x 600 mm and 600mm deep for pipe line with one or two inlets.	10	Each	3660.76	36607.55
89	Extra over items 24.44 for every additional depth of 0.1M. of part thereof beyond 600mm depth for Brick masonry chamber. (ii) for 600mm x 600mm size.	10	Each	264.86	2648.62

90	Providing laying (to level or slopes) and jointing reinforced concrete Light duty nonpressure 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	110	mtr	248.67	27353.93
91	Providing & laying ordinary C.C.1:1.5:3 mix for R.C.C. work incl. boxing, centering, vibrating, curing & mixed with approved water proofing cement compound or "CEMWET"or"PIDICRETE LW"integral water proofing admixture as water proofing agent to be mixed with 50 kg. cement bag shall be as recommended by the manufacture of the water proofing material, concrete work for top, bottom slab & side pardi for Under ground Tank & Item incl. Necessary excavation & refilling the available earth, 15 cm th' C.C 1:4:8 for bedding concrete, Half B.M. in C.M. 1:4 outside wall, inside R.C.C. pardi as per design, 10mm.th. water proofing cement plaster in C.M. 1:3 with smooth finishing,watering etc.Comp.to all inner face & bottom of tank curing etc. comp. incl. Locking arrangement, outlet, inlet, overflow & wash out pipe arrangement as necessary & C.I. Cover 0.60 x .045 weight not less then 35kg. etc. com. as per structural drawing excluding Steel & as directed by Engineer-in-charge	5000	Lits.	5.00	24997.50
92	Providing & Laying Commercial Quality white glazed tiles 6mm. th. in flooring laid on a bed of 20 mm. Av. Th.C.M.1:3(1cement :3 sand) & on wall Of R.C.C. Tank with necessary cement paste for fixing and joined with white cement slurry etc. complete. finished with flush pointing in white cement etc.com.	5000	Lits.	1.01	5050.00

93	Supply, fabrication & erection of aboveground G.I. 'C'-Class, ERW piping, conforming to IS:1239, part-1, Heavy class up to 150 mm dia. and IS:3589. for size 200 mm dia. & above,thickness. G.l. pipe fitting's as per IS: 1239, part-II, Heavy class for size 150 min dia. & below & IS: 3589, for size 200 mm dia. above, flanges, nuts bolts & washers, 3 mm thick gasket, pipe hangers, etc. Hydrostatic testing for 2 hour's at 150% of the s 'stem pressure, hook-up etc. Painting for piping, fittings & structural pipe support, shall be two coat of zinc primer and two coats of fire red conf. to IS: 5, Shade 536. Complete itla all accessories as per approved drawings, specicification and direction of the Engineer-in-Charge, with all complete (A)Size: 150 mm	1.00	R.mtr	2944.15	2944.15
	(B) Size: 100 mm	10.00	R.mtr	2399.76	23997.60
	(C) Size: 80 mm	130.00	R.mtr	2055.35	267195.50
	(D) Size: 65 mm	15.00	R.mtr	1610.95	24164.25
	(E) Size: 50 mm	246.00	R.mtr	1388.75	341632.50
	(F) Size: 32 mm	1.00	R.mtr	944.35	944.35
	(G) Size: 25 mm	492.00	R.mtr	611.05	300636.60
94	Underground Pipe Laying Supply, Fabrication, Installation, Hydro Testing & Coating of Underground Pipe.Pypkote Pipe Coating (4 mm), Hardware (Gaskets, Nut-Bolts, Paint etc.),Consumables (Welding Rod, etc.) and All Civil Work like excavation, sand bedding, earth filling etc. as mentioned in the detail specifications.Quality: GI , C-Class (Heavy). UOM:-Price Per Running MeterMake: Asian/ Jindal/TATA (i) Size: 150 mm	1.00	R.mtr	3532.98	3532.98
95	Gate /Sluice Valve 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. Make; ZOLOTO/NORMEX/AUBCO (i)Size: 100 mm	1.00	No.	20020.22	20020.22

96	Check Valve Supply, Installation and Testing of: Check Valve (Ball type or Swing type) with necessary pipe fitments, hardware and consumables. MOC:-Body: Cast Iron (With Flange Ends). Standard: ISI Marked. UOM:-Price Per Each No. Make; ZOLOTO/NORMEX/AUBCO (i)Size: 100 mm	1.00	No.	11574.38	11574.38
97	Supply, Installation, Testing & Commissioning of Cast iron body Butterfly valve according to IS: 13095, PN-1.6, Iron Disc for size 150 mm dia. & below Lever operated and above 150 mm dia. Clear operated completJ with mating flanges/ ANS1 class # 150 with bolts & nuts washers, rubber gaskets 3 mm thick, etc., with all complete (A)Size: 100 mm	3.00	No.	4566.21	13698.63
	(B)Size: 80 mm	3.00	No.	3805.18	11415.54
98	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. Make; ZOLOTO/NORMEX/AUBCO	3.00	No.	1033.23	3099.69
99	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 Make: H Guru, Waree, Micro, Wika	3.00	No.	3066.36	9199.08
100	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. Make: New Age/Essel/Safex	2.00	No.	7332.60	14665.20

101	Fire Hose Pipe (Delivery Hose)- 63 mm x 15 m Supply, Installation and Testing of: Fire Hose with Hose Couplings. RRL (ISI Mark- Type B) 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. Make: New Age/Essel/Safex	2.00	No.	8632.47	17264.94
102	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. Make: New Age/Essel/Safex	2.00	No.	3055.25	6110.50
103	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. Make: New Age/Essel/Safex	2.00	No.	1855.37	3710.74
104	Fire Hose Reel Set (ISI)-25 mm x 30 m -Rubber Hose. Supply, Installation and Testing of: Fire Hose Reel Set with necessary pipe fitments, hardware and consumables. MOC:- Stand Mounted, Heavy-duty RUBER hose. Shut-off Nozzle: SS-304. With Control Valve: SS- 50mm Ball Valve. Standard: ISI Marked. Heavy Quality. Size:-25 mm dia x 30 mtr long Hose. UOM:-Price Per Each No. Make: New Age/Essel/Safex	2.00	No.	20620.16	41240.32

105	Fire Service In-let (In-let Connection for Fire Brigade)-2 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, 100 mm E-table Flange End. UOM:-Price Per Each No. Make: New Age/Essel/Safex	1.00	No.	9621.26	9621.26
106	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. Make: Safex/Tyco/ UL Listed	125.00	No.	888.80	111100.00
107	Sprinkler Drop Pipe: Supply, Installation and Testing of: Sprinkler Drop Pipe with necessary pipe fitments. Standard: UL Listed UOM:-Price Per Each No. Make: Safex/Tyco/ UL Listed	125.00	No.	755.48	94435.00
108	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. Make: Kanex/Safex/Minimax	14.00	No.	5090.40	71265.60
109	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. Make: Kanex/Safex/Minimax	14.00	No.	6591.26	92277.64

110	Providing & Fixing of FIRE bucket round bottom of 9 liters 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. Make: As per Standard	8.00	No.	214.12	1712.96
111	Providing & Fixing 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 enameled silver paint. Make: As per Standard	2.00	No.	942.33	1884.66
112	SETC of AUTOGLO GR Self Maintain Photoluminescent (SWGS) Siganages Tape & Route Marker in 1 mm thick Rigid Sheet ARS 10000 with Strong Self Adhesive , Working temperature -20 to+80'C Life : 10- 15 Years, Weather Proof, Self Extinguising, Non Radioactive, Non Peelable, Non Scratchable,Non Breakable, UV Cured Silk Screen Printed, As Per PSPA Class - A / DIN 67510 Part 2 / 60 Minutes / > 700 mcdl with High Glow Intensity Certified By Government Of India Lab For A Glow Period > 24 Hrs DRDO & ARAI Certified for All require QC test to Confirm As per the IS 9457-2005 ,IS 12349 (To be approved by EIC) the colour Should be RED/GREEN/BLUE/YELLOW with Graphics Symbol in White approved by Local Director of Fire and Emergency services ,Make PROLITE/AUTOLGLO /InstaMARK Approved by Client /Consultant (A) Exit Sign Size: 100X300 mm	4.00	No.	622.16	2488.64
	(B) Fire Exit with Man Running left/Rights Arrow Sign Size: 100X300 mm	4.00	No.	622.16	2488.64
	(C) Fire Extinguisher Sign Size: 200X250 mm	4.00	No.	1033.23	4132.92
	(D) Fire Alarm Call Point Sign Size: 200X250 mm	4.00	No.	1033.23	4132.92
	(E) Fire Hose Reel Sign Size: 200X250 mm	4.00	No.	1033.23	4132.92
	(F) Fire Hydrant Sign Size: 100X300 mm	4.00	No.	622.16	2488.64
	(G)Staircase Sign Size: 100X300 mm	4.00	No.	622.16	2488.64

	(H) In case Of fire do not use the lift use the Staircase Size: 200x200 mm	4.00	No.	822.14	3288.56
113	Providing laying (to level or slopes) and jointing reinforced concrete Light duty nonpressure pipes I.S. class NP2 of the following internal diameter with collars and butt ends prepared for collar joints including testing of joints complete. (D) 300mm	50.00	R.mtr	512.12	25605.77
114	Supply. installation, testing & commissioning of ISI approved electrical motor driven Main monoblock pump set having 97.2 m3/hr. shall be a horizontally direct mounted motor. Unit shall comprise the following minimum requirements: a) Pump, b) Electric motor II.2, c) foundation bolts, d) Mating flanges with gasket and fasteners. e) Discharge gauges, etc. complete in all respect, with labour, v ith GST. (As per Quotation) Supply. installation, testing & commissioning of ISI approved electrical motor driven jockey pump set having 10.8 m3/hr. \aU 70in head. The pump unit shall be a horizontally direct mounted motor. Unit shall comprise the following minimum requirements: a) Pump, b) Electric motor II.2, c) i-oundation bolts, d) Mating flanges with gasket and fasteners. e) Discharge gauges, etc. complete in all respect, with labour, v ith GST. (As per Quotation)	1	Set	127765.00	127765.00
115	Supply. installation, testing & commissioning of pressure switch. (Range 0 to 16 kg/cin2) (As per Quotation)	2	Nos.	3666.30	7332.60
116	Supply, installation, testing & commissioning of 150 mm dia. dial Burdon Type Glycerine Filled pressure gauge with isolation ball valve arrangements with necessary isolation valves with all complete. (Range 0 to 15 kg/cm2) (As per Quotation)	2	Nos.	3555.20	7110.40
117	Supply, installation, testing & commissioning of Cast iron body NRV conf, to IS: 5312, PN-I .6 complete with mating Flanges/ IS/ ABSI class #150 witty bolts nuts, washers, gaskets 3 mm thic1‹, etc., with all compl eve Accessories (a)80 mm dia. (As per Quotation)	3	Nos.	7610.35	22831.05
	(b)100 mm dia.	3	Nos.	9132.42	27397.26
118	Filling Of Gaps Between pipe and Core Cutting Hole with Chemical and Cement (As per Quotation)	10	Nos.	499.95	4999.50

119	Supply, fabrication and erection of Structure MS Material as like Angle, C channel, I Beam Etc. (As per Quotation)	50	Kg	111.10	5555.00
120	Supply, installation and commissioning of Flexible cable for 1.5 sq mm x 3 core for pressure switch (As per Quotation)	150	mtr	94.44	14165.25
121	Supply, installation and commissioning of Copper Armour cable for 10 HP Motor - 4 sq mm x 3 Core (As per Quotation)	150	mtr	244.42	36663.00
122	Supply, installation and commissioning of Copper Armour cable for 30 HP Motor - 6 sq mm x 3 Core (As per Quotation)	150	Mtr	344.41	51661.50
123	Painting with cleaning the surface, applying one coat of primer and two coats of P.O red paint (a) 65 mm dia. and abovw (As per Quotation)	300	Sq.ft	38.89	11665.50
124	Painting with cleaning the surface, applying one coat of primer and two coats of P.O red paint (b) 50 rum dia. and below {As per Quotation)	300	Sq.ft	35.35	10605.00
125	Supply, Installation and commissioning of Fire Alarm Panel Conventional type, 8 loops,with complete accessories. (As per Quotation)	1	Nos.	60600.00	60600.00
126	Supply, Installation and commissioning of smoke detectors/ heat detectors, with complete accessories. (As per Quotation)	44	Nos.	1212.00	53328.00
127	Supply, Installation and commissioning of Audio Hooters, with complete accessories. (As per quotation)	4	Nos.	1262.50	5050.00
128	Cable (Armour) for fire Alarm system	1000	mtr	111.10	111100.00

129	Fire Hydrant Panel suitable for 10 hp Jockey pump, 30 hp (54 m3/hr @ 70 m head) main electrical pump and 50 hp (96 m3/Iir @ 70 m Head) Diesel engine operated pump A)Incomer : MCCB - 1 Nos, R Y B Indication - 1 Set, Vaf Digital Meter - I Set. B) Outgoing : FI 30 HP Star Delta Starter - 1 For Main pump, F2 10 HP DOL, Starter - 1 For Jockey Pump, 13 Auto - On/ Off Diesel Pump With Battery Charger, Control Circuit With Auto - Manual On/Off, On/Off Trip Indication, On/Off Push Button. C) Fabrication : Dully Powder Coated PO Red Colour, Fabricated From 14/16 SWG, GI Sheet, IP-42 Protection,-Fixed Type Floor Mounted, Cable Entry : Bottom (As per.Quotation)	1	Nos.	107211.50	107211.50
	TOTAL AMOUNT :				**22487438.62**