

**Name of Work :- Construction Of 2000MT capacity Godown Building at Godhra Dist:-
Panchmahal.**

Bill of Quantities

Memorandum showing item of works to be carried out.

It. No.	Qty.	Item of Work	Estimated Rates		Unit	Total Amount
			In Figure	In Words		
1	2	3	4	5	6	7
1	1006.00	Excavation for foundation upto 1.5 m depth including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(C) Hard Murrum	256.12	Rs. Two Hundred Fifty Six and Eleven Paise Only	cumt	257652.49
2	448.00	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. (D) Soft rock not requiring Blasting	287.48	Rs. Two Hundred Eighty Seven and Forty Seven Paise Only	cumt	128789.38
3	68.00	Providing and laying controlled cement concrete M-150 and curing complete including the cost of form work and reinforcement for reinforced concrete work in : (a) Foundations, footings Bases of columns and the like and Mass concrete.	3784.60	Rs. Three Thousand, Seven Hundred Eighty Four and Sixty Paise Only	cumt	257352.89
4	251.00	Providing and laying controlled cement concrete M 250 using B.T. stone aggregate and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in. (A) Foundation footing, base of columns & mass concrete.	4450.57	Rs. Four Thousand, Four Hundred Fifty and Fifty Six Paise Only	cumt	1117091.82
5	28.00	Providing and laying controlled cement concrete M 250 using B.T. stone aggregate and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in. For RCC Columns up to Plinth level.	6691.25	Rs. Six Thousand, Six Hundred Ninety One and Twenty Five Paise Only	cumt	187355.00
6	242.00	Providing and laying cement concrete 1:3:6 (1-Cement : 3- coarse sand : 6- hand broken stone aggregates 40 mmnominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth (upto 10 ton)	2980.90	Rs. Two Thousand, Nine Hundred Eighty and Ninety Paise Only	cumt	721378.74
7	136.00	Providing and Laying controlled cement concrete M-250 & including finising smooth with curing complete including the cost of form work but excluding cost of reinforcement concrete for RCC PLINTH BEAM for any cross sectional area of beam.	5558.84	Rs. Five Thousand, Five Hundred Fifty Eight and Eighty Three Paise Only	cumt	756002.14
8	159.00	Brick work using common Brunt clay building bricks having crushing strength not less than 35 Kg./Sq.cm.. in cement mortar 1:6 (1cement : 6 fine sand) (b) Conventional In Foundation and Plinth	4021.02	Rs. Four Thousand, Twenty One and Two Paise Only	cumt	639342.51
9	2096.00	Filling in foundation and plinth with murrum or selected soil in layers of 20cm. thickness including watering, ramming and consolidating etc. completed.	273.96	Rs. Two Hundred Seventy Three and Ninety Six Paise Only	cumt	574225.40
10	1006.00	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm. in depth consolidating each deposited layer by ramming and watering.	130.39	Rs. One Hundred Thirty and Thirty Nine Paise Only	cumt	131173.35
11	2474.55	Filling foundation and plinth with sand under floors including watering, ramming and consolidating dressing etc, comp.	460.19	Rs. Four Hundred Sixty and Eighteen Paise Only	cumt	1138755.79

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1	2	3	4	5	6	7
12	1194.00	Applying general insecticide pest control treatment to floors, cupboards etc. including labour and materials etc. complete.	50.59	Rs. Fifty and Fifty Nine Paise Only	sqmt	60405.53
13	172.00	Providing and laying trimix vacume dewatering process cement concrete work ordinary M-200 and curing complete including compaction & Finishing of cement concrete road by trimix process providing extra labour charge for trimix vacuum dewatering service process on cement concrete road surface by using vacuum dewatering pump floater surface vibrator including making groove 5mm width and filling with polynile kpolynier and rough finish to surface as per instruction including levelling etc complete. for RCC TRIMMIX FLOOR SURFACE	4445.01	Rs. Four Thousand, Four Hundred Forty Five and One Paise Only	cumt	764541.72
14	24.50	Providing and laying controlled cement concrete M-200 and curing comp. including the cost of form work but excluding the cost of reinforcement for reinforced concrete work for Columns, pillars, posts and struts AT GROUND FLOOR	7219.48	Rs. Seven Thousand, Two Hundred Nineteen and Forty Eight Paise Only	cumt	176877.26
15	20.00	Providing and Laying controlled cement concrete M-200 and with curing etc.complete. Including the cost of formwork but excluding the cost of reinforcement for R.C.C work in Column heving any cross section area of Column.For First Floor Column.	7253.32	Rs. Seven Thousand, Two Hundred Fifty Three and Thirty One Paise Only	cumt	145066.30
16	41.00	Providing and Laying controlled cement concrete M-200 and with curing etc.complete. Including the cost of formwork but excluding the cost of reinforcement for R.C.C work in beam heving any cross section area of BEAM. for First floor.	5879.21	Rs. Five Thousand, Eight Hundred Seventy Nine and Twenty One Paise Only	cumt	241047.61
17	11.00	Providing and laying controlled cement concrete M-200 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in Lintels Ground Floor	6136.26	Rs. Six Thousand, One Hundred Thirty Six and Twenty Five Paise Only	cumt	67498.81
18	37.00	Providing and laying controlled cement concrete M-200 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in CHHAJJAS For All FLOOR	6191.48	Rs. Six Thousand, One Hundred Ninety One and Forty Eight Paise Only	cumt	229084.83
19	25.00	Providing and Laying controlled cement concrete M-200 including finising smooth with curing complete including the cost of form work but excluding cost of reinforcement for reinforced concrete work in VARTICAL AND HORIZONTAL FINS/ PADADI For all floor.	9274.68	Rs. Nine Thousand, Two Hundred Seventy Four and Sixty Seven Paise Only	cumt	231866.96
20	74940.00	Providing TMT Bar FE 500D reinforcement for R.C.C.work including bending,binding and placing in position complete upto floor two level	76.21	Rs. Seventy Six and Twenty One Paise Only	kg	5711522.12
21	82.00	Providing and laying brick work using common burnt clay building conventional type bricks having crushing strength not less than 35 Kg./Sqcm. in super structure in cement mortar 1:6 (1 cement : 6 fine sand) for Ground floor including the cost of all materials and labour charges etc. complete.	4289.33	Rs. Four Thousand, Two Hundred Eighty Nine and Thirty Two Paise Only	cumt	351724.95

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1	2	3	4	5	6	7
22	51.00	Providing and laying brick work using common burnt clay building conventional type bricks having crushing strength not less than 35 Kg./Sqcm. in super structure in cement mortar 1:6 (1 cement : 6 fine sand) for First floor including the cost of all materials and labour charges etc. complete.	4329.82	Rs. Four Thousand, Three Hundred Twenty Nine and Eighty One Paise Only	cumt	220820.79
23	50.00	Providing and fixing rolling shutters of approved make made of 80 mm wide M.S. laths inter-locked together through their entire length and jointed together at the ends by end locks mounted on specially designed pipe shaft with bracket plates, guide channels and arrangements for inside and outside locking with push-pull operation including the cost of hood cover and spring etc. complete.(B) Shutters having width 3.5 M. and above.	4495.02	Rs. Four Thousand, Four Hundred Ninety Five and One Paise Only	cumt	224750.76
24	36.00	Providing and fixing Glass bicks Partition using glass brick of required design,type size of glass bick 19 x 19 cm and fixing the same with 4mm dia alluminium bar at every 3rd layer with white cement etc.complete.	2566.41	Rs. Two Thousand, Five Hundred Sixty Six and Forty One Paise Only	Sqmt	92390.76
25	24381.00	Providing & fixing M.S. Grill using 16 mm dia M.S. Bars @ 15 cm C/C fixed in frame using angle 35 mm x 6 mm, 35 x 6 mm flat in center, and Galvanized wiremesh jali 20mm x 20 mm spacing, including red lead primer coat and two coats of oil painting etc. complete.	111.10	Rs. One Hundred Eleven and Ten Paise Only	Sqmt	2708729.10
26	262.00	Providing 10 mm thick cement plaster in single coat on fair side brick/concrete walls for interior plastering upto floor two level and finished even and smooth in cement mortar 1:3 (1 cement : 3 sand) including finishing with a floating coat of neat cement slurry etc. complete for Ceiling	213.18	Rs. Two Hundred Thirteen and Eighteen Paise Only	kg	55853.34
27	1029.00	Providing 15mm thick cement plaster in single coat on brick/concrete walls for interior plastering upto floor two level and finished even and smooth in (i) Cement mortar 1:4 (1-cement:4-sand) MALA finish plaster etc. complete. for Ground Floor	215.24	Rs. Two Hundred Fifteen and Twenty Four Paise Only	sqmt	221483.09
28	1350.00	20mm thick sand faced cement plaster on walls upto height 10 metres above ground level consisting of 12mm thick backing coat of C.M. 1:3 (1-cement : 3-sand) and 8mm thick finishing coat of C.M. 1:1 (1-cement : 1-sand) etc. complete.	329.29	Rs. Three Hundred Twenty Nine and Twenty Nine Paise Only	sqmt	444541.91
29	114.00	Providing and laying polished Kota stone slab flooring over 20mm (Average) thick base of cement mortar 1:6 (1-cement : 6-coarse sand) laid over and jointed with grey cement slurry including rubbing and polishing etc. complete.(A) 25mm thick	976.72	Rs. Nine Hundred Seventy Six and Seventy Two Paise Only	sqmt	111346.14

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1	2	3	4	5	6	7
30	141.00	Providing and laying water proofing tretment with chaina mosaic tiles flooring over avg 40 mm C.C. 1:2:4 {1 Cement : 2 sand : 4 Kapachi / Gritt 6 to 12 mm size} bedding for maintaining slope for plain and curve surface & 12 mm to 20 mm of broken piece of seramic / glazed tiles (one for more color as directed) to be laid over cement mortar bedding of C M 1:3 (1 cement : 3 sand) containg one Kg of water profiging materials per bag of O P C at plain or / and slops and to be tempered to bring mortar eramic up to surface with using white cement and colour pigment including rounding of junctions and extending them up to 15 cm along the wall and curing with bends any pattens or design as per drawing and cleaning by using oxalic acid etc complete.	1031.21	Rs. One Thousand, Thirty One and Twenty One Paise Only	Sqmt	145400.61
31	1029.00	Wall painting (two coats) with plastic emulsion paint of approved brand and manufacture on undecorated wall surface to give an even shade including thoroughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth & including Birla Putty	119.49	Rs. One Hundred Nineteen and Forty Nine Paise Only	sqmt	122958.40
32	1612.00	Finishing wall with weatherproof exterior emulsion paint on wall surface (two coats) to give an required shape even shade after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials.etc.complete.	114.53	Rs. One Hundred Fourteen and Fifty Three Paise Only	sqmt	184628.81
33	1364.00	Providing and Fixing PROFLEX type self supported Roof (Arch Type) using Cold rolled,Galvalume steel colour coated sheet 1.0mm thick conforming to ASTMA 653,A792 DIN,ALU Zinc Coating : AZ150 and Regular Modified Polyster painting with epoxy primer service coat at bottom,including necessary fixtures & Fastening for Lighting arrangement and turbo ventilator with sky light.	1479.65	Rs. One Thousand, Four Hundred Seventy Nine and Sixty Five Paise Only	Sqmt	2018242.60
34	9.00	Providing and fixing Turbo Ventilator made from Alluminium and stainless steel with ploy Carbonate Sky Light of size 2 x 7 feet including fixing in roof as and where directed by Engineer in charge etc.complete.	12746.20	Rs. Twelve Thousand, Seven Hundred Forty Six and Twenty Paise Only	Nos	114715.80
35	286.00	Providing throating or Plaster Drip and moulding to RCC Chhajja.	41.00	Rs. Forty and Ninety Nine Paise Only	Rmt	11724.83
36	578.00	Providing 12mm wide groove/notch in plaster including finishing the same etc.complete for all height/	17.68	Rs. Seventeen and Sixty Seven Paise Only	Rmt	10216.15
37	350.00	Providing corrugated G.I.sheet of class-3 roof ing fixed with glavani shed iron JorL Hooks,Bolt sand nuts 8 mm diameter with bitume nand G.I.limpet washer orG.I.limpet washer.filled with white lead complete excluding the cost of purlins,Rafters andTrusses.(1) 0.80 mmthicksheet.	727.13	Rs. Seven Hundred Twenty Seven and Twelve Paise Only	sqmt	254495.26
38	1495.00	Box cutting the road surface to proper slope and camber for making a base for road work including removing the excavated stuff with desposing on the road side slope as directed up to 50 mt. Lead	104.20	Rs. One Hundred Four and Twenty Paise Only	Cum	155781.54

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1	2	3	4	5	6	7
39	460.00	Spreading blindage or road crust filling the gap sin metal and leveling to camber and gradient as directed.(ii) Sand & Supplying of screened cleaned pea(rounded) gravel of following sizes) (B) Supplying of unscreened gravel	301.24	Rs. Three Hundred One and Twenty Four Paise Only	Cum	138571.60
40	345.00	Providing and laying, Spreding and compacting graded stone aggregate to wet mix mecadam 150 mm thick in one layer each layer not exceeding 150mm in thickness as per MORT & H specification including premixing the material with water at OMC in mechanical mix plant carriage of mixed materialby tipper to site laying in uniform layers with paver in sub base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density.	1213.01	Rs. One Thousand, Two Hundred Thirteen and One Paise Only	Cum	418488.45
41	345.00	Providing and laying foundation cement concrete 1:3:6 (1 cement :3 coarse sand : 6 aggregate 20mm nominal size) graded concrete and curing complete	3925.77	Rs. Three Thousand, Nine Hundred Twenty Five and Seventy Six Paise Only	Cum	1354390.31
42	575.00	Providing and and laying controlled cement concrete M250 and curing etc. comp. excluding the cost of form work and reinforcement for R.C.C. work for internal road.	4170.49	Rs. Four Thousand, One Hundred Seventy and Forty Nine Paise Only	Cum	2398032.90
43	2300.00	Compaction and finishing of cement concrete road by tremix process, providing extra labour charge for tremix (Vaccum dewatering service) process on cement concrete road surface by using vaccum dewatering pump floater surface vibrator including making groove 5mm width and filling with polyvynile polymer and rough finish to surface as per instruction including leveling etc. complete.	71.21	Rs. Seventy One and Twenty Paise Only	sqmt	163771.50
44	23.00	Supplying and installing of Dry Chemical Powder type 5 Kg. capacity fire extinguisher as per IS 2171 ISI mark with necessary fitting etc. complete.	1565.50	Rs. One Thousand, Five Hundred Sixty Five and Fifty Paise Only	No.	36006.50
45	23.00	Providing carbon dioxide type fire extinguisher 4.50 Kg. capacity with IS mark and test certificates of explosive department of Nagpur.	4848.00	Rs. Four Thousand, Eight Hundred Forty Eight Only	No.	111504.00
46	59.00	Point wiring for Light / Bell with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires up to 10 mtr length , in below type of pipe erected with 6A Modular type switch / bell push & accessories and earth continuity of following type, erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured/metallic/white front plate modules erected on / in wall / ceiling as per pipe erected, with necessary Lamp holder/ceiling rose / H.D.Connector as directed. (f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete Ca-III (Make:- Pipe:Precision/Polycab/Vraj/Nihir /Astral, Wire: Polycab/RR Kabel/KEI/Finoloex/Havells, Accessories: Havells/Anchor/Greatwhite/Vinay	485.81	Rs. Four Hundred Eighty Five and Eighty One Paise Only	Pt.	28662.79

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1	2	3	4	5	6	7
47	10.00	Point wiring for FAN with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (Green) both are of .ISI marked 1.1 KV Grade FRLS PVC insulated multi strand copper wires up to 10 mtr length, in below type of pipe erected with 6A Modular type switch and hum free EME step type electronic fan regulator mounted and accessories with earth continuity of following type erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured/metallic/white front plate modules erected on / in wall / ceiling as per pipe erected. with necessary ceiling rose / H.D.Connector as directed. (f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete Ca-III (Make:- Pipe:Precision/Polycab/Vraj/Nihir /Astral, Wire: Polycab/RR Kabel/KEI/Finoloex/Havells, Accessories: Havells/Anchor/Greatwhite/Vinay	674.68	Rs. Six Hundred Seventy Four and Sixty Eight Paise Only	Pt.	6746.80
48	8.00	Point wiring for Individual Plug with & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires up to 10 mtr length, in below type of pipe erected complete with Modular type switch & 5 pin Plug erected on PVC / Metallic/Wooden box covered with appropriate front plate modules erected on / in wall / ceiling as per pipe erected with following type of accessories.[I] For 6A Plug and 6 a switch with 2-1.5 sq.mm Cu. Wire from nearby switchboard/mcb db board (f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete Cat III (Make:- Pipe:Precision/Polycab/Vraj/Nihir /Astral, Wire: Polycab/RR Kabel/KEI/Finoloex/Havells, Accessories: Havells/Anchor/Greatwhite/Vinay	510.05	Rs. Five Hundred Ten and Five Paise Only	Pt.	4080.40
49	12.00	Point wiring for on board Looped Plug with 6A Modular type switch & 5 pin socket erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate modules erected on / in wall / ceiling with following type accessories. Ca-III (Make:- Accessories: Havells/Anchor/Greatwhite/Vinay,C&S	257.55	Rs. Two Hundred Fifty Seven and Fifty Five Paise Only	Pt.	3090.60
50a	16.00	Providing following type of Modular Type Accessories mounted with PVC / metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate , modules erected with necessary connections as per site situation directed by Engineer In charge (9) 16 Amp. SP one way switch Cat.III (Make:-Accessories: Havells/Anchor/Greatwhite/Vinay,C&S)	180.79	Rs. One Hundred Eighty and Seventy Nine Paise Only	Nos.	2892.64
50b	16.00	(10) 6/16Amp. Universal socket Cat.III (Make:- Havells/Anchor/Greatwhite /Vinay,C&S)	199.98	Rs. One Hundred Ninety Nine and Ninety Eight Paise Only	Nos.	3199.68

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1	2	3	4	5	6	7
51	1500.00	Providing and erecting Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected concealed in /flushed on wall/ceiling, with 1.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size (a) with medium class Rigid PVC pipe and accessories. (b) 2 wire 2.5 sq. mm (make:Pipe:Precision/Polycab/Vraj/Nihir /Astral, Wire: Polycab/RR Kabel/KEI/Finolox/Havells,)	82.82	Rs. Eighty Two and Eighty Two Paise Only	Mtr.	124230.00
52	120.00	providing and erecting Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected in / on wall / ceiling with 2.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size (a) with medium class Rigid PVC pipe and accessories. (h) 4 wire 6 sq. mm (Make:Pipe:Precision/Polycab/Vraj/Nihir /Astral, Wire: Polycab/RR Kabel/KEI/Finolox/Havells,	260.58	Rs. Two Hundred Sixty and Fifty Eight Paise Only	Mtr.	31269.60
53	294.00	Supplying and erecting Flexible PVC insulated multi strand multi core 1.1 kv grade ISI marked copper wires of following size to be erected as directed.(e) 1.50 Sq.mm 3 core round PVC sheathed (Make:Pipe:Precision/Polycab/Vraj/Nihir /Astral, Wire: Polycab/RR Kabel/KEI/Finolox/Havells,	46.46	Rs. Forty Six and Forty Six Paise Only	Nos	13659.24
54	4.00	Providing & erecting Switch board for Computer or electric apparatus consisting of following modular type accessories mounted with PVC / Metallic concealed/open box with single mounting base frame covered with textured/metallic /white front plate,modules erected with necessary connections as directed.1 no. 6A/16A universal plug-switch combined.3 nos. 6A Switch 3 nos. 6A 5 pin Plug For Modular Type Accessories Cat. III (Make:- Havells/Anchor/Greatwhite ,C&S)	1133.22	Rs. One Thousand, One Hundred Thirty Three and Twenty Two Paise Only	Nos.	4532.88
55	53.00	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 0.9, 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 (v) 36-40 Watts, Surge-2 KV, IP-20, conventional 4 feet Ca-III (Make :- Phillips, Havells, OSRAM, Crompton, Wipro, Jaguar)	535.30	Rs. Five Hundred Thirty Five and Thirty Paise Only	Nos.	28370.90

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1	2	3	4	5	6	7
56(a)	42.00	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 (Make :- Phillips, Havells, OSRAM, Crompton, Wipro, Jaguar)	4997.48	Rs. Four Thousand, Nine Hundred Ninety Seven and Forty Eight Paise Only	Nos	209894.16
56(b)	14.00	(B) Flood 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 (Make :- Phillips, Havells, OSRAM, Crompton, Wipro, Jaguar)	5599.44	Rs. Five Thousand, Five Hundred Ninety Nine and Forty Four Paise Only	Nos	78392.16
56(c)	28.00	(iii) Above 60 to 90 watts Cat-III (Make :- Phillips, Havells, OSRAM, Crompton, Wipro, Jaguar)	6088.28	Rs. Six Thousand, Eighty Eight and Twenty Eight Paise Only	Nos	170471.84
56(d)	2.00	(C) Post Top Lantern LED fitting comprises of finish cast aluminum spigot and spun aluminum canopy fixed with opal polycarbonate, pipe arrangement for vertical mounting driver and accessories wired upto terminal block.IP 65 (ii) 40W Cat-III (Make :- Phillips, Havells, OSRAM, Crompton, Wipro, Jaguar)	4819.72	Rs. Four Thousand, Eight Hundred Nineteen and Seventy Two Paise Only	Nos	9639.44
57	5.00	Providing and erecting Approved make Four pole moulded case circuit breaker having breaking capacity ICU of 25 KA. at 415 V, having normal current rating up to 25 A to 100A. with Fixed thermal & magnetic release suitable to work on A.C. supply 50 c/s. with all internal connections, spreader tinned copper & complete erected in existing 16 G.M.S. housing ICS=100% of ICU only Cat III (Make: L & T,Havells,C&S,Indoasian)	6173.12	Rs. Six Thousand, One Hundred Seventy Three and Twelve Paise Only	Nos	30865.60
58	2.00	Providing and erecting Approved make Four pole moulded case circuit breaker having breaking capacity ICU of 35 KA. at 415 V. having Normal current rating 200A.with variable Thermal & magnetic release suitable to work on A.C.supply 50 c/s. with all internal connections, spreader tinned copper & complete erected in existing 16 G.M.S.housing ICS=100% of ICU only. Cat III (Make: L & T,Havells,C&S,Indoasian)	16221.61	Rs. Sixteen Thousand, Two Hundred Twenty One and Sixty One Paise Only	Nos	32443.22

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1	2	3	4	5	6	7
59(a)	0.75	Supplying and erecting triple pole & neutral 440V / 500V panel mounting Copper Busbars with four equal Nos. of electrolyte bus having current density not more than 1.6 Amp. / sq.mm (Rated current / cross section area) duly wrapped with colour insulating tape for phase sequence of following current carrying capacity, erected with necessary bus bar supports /insulators, main cable socket to each bar, erected in existing cubical panel with necessary connections. (A) Suitable for 100 Amp. Capacity	1961.42	Rs. One Thousand, Nine Hundred Sixty One and Forty Two Paise Only	Rn.Mtr	1471.07
59(b)	1.00	(B) Suitable for 200 Amp. capacity	3202.71	Rs. Three Thousand, Two Hundred Two and Seventy One Paise	Rn.Mtr	3202.71
60	72.00	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 (Make: L & T,Havells,C&S,Indoasian)	270.68	Rs. Two Hundred Seventy and Sixty Eight Paise Only	Nos	19488.96
61	68.00	providing and erecting Miniature circuit breaker single pole 6A to 25A suitable to operate on 240 V A.C. system and having breaking capacity 10 KA to be erected in existing box. confirming to IS 8828/1996 with ISI Mark Cat.III (Make : L & T,Havells,C&S,Indoasian)	112.11	Rs. One Hundred Twelve and Eleven Paise Only	Nos	7623.48
62(a)	4.00	Providing & erecting 415V MCB Four Pole Switch for Lighting Load (B curve) having 10KA breaking capacity & confirms to IS :8828 in existing box having following capacity(a) 6 to 32 Amp. Cat.III (Make: L & T,Havells,C&S,Indoasian)	578.73	Rs. Five Hundred Seventy Eight and Seventy Three Paise Only	Nos	2314.92
62(b)	9.00	(b)40 Amp. Cat.III (Make: L & T,Havells,C&S,Indoasian)	638.32	Rs. Six Hundred Thirty Eight and Thirty Two Paise Only	Nos	5744.88
63	2.00	Plastic enclosure fitted with DIN rail suitable for incorporating Three /Four nos. MCB(Make: L & T,Havells,C&S,Indoasian)	108.07	Rs. One Hundred Eight and Seven Paise Only	Nos	216.14
64	3.00	Providing and erecting Sheet Steel powder coated MCB distribution board - flush / surface mounted fitted with busbar, neutral link, earth bar and DIN rail, Conforms to IS 8623-1 & 3, IEC 61439-1 & 3 without MCB to house appropriate nos. of MCBs.(The DBs should be used of same company of MCB to be used) suitable for (B) three phase incoming and single phase horizontal type outgoing Per phase isolation type (PPI) (b) sheet steel double door (ii)6 way(Make: L & T,Havells,C&S,Indoasian)	2913.85	Rs. Two Thousand, Nine Hundred Thirteen and Eighty Five Paise Only	Nos	8741.55
65	9.00	providing and erecting Approved make RCCBs conforming to IS: 12640 and having sensitivity of 30 mA and Short Circuit withstand capacity of 10 KA and suitable for operation on single phase 240 V,50Hz. having characteristic of quick action & tripping with all advance feature & do not incorporate any electronic component. for following Max. rating erected as directed. (i) 25 Amps.DP.Cat-III (Make: L & T,Havells,C&S,Indoasian)	1969.50	Rs. One Thousand, Nine Hundred Sixty Nine and Fifty Paise Only	Nos	17725.50

It. No.	Qty.	Item of Work	Estimated Rates		Unit	Total Amount
			In Figure	In Words		
1	2	3	4	5	6	7
66	21.00	Providing and erecting Pipe type earthing with 40 mm dia 2.5 mtr long 'B' grade G.I. pipe with necessary coupling buch buried in specially prepared earth pit & G.I. earth wire of 8 SWG erected & connected as directed (For panel)	823.15	Rs. Eight Hundred Twenty Three and Fifteen Paise Only	Nos	17286.15
67	21.00	For using salt and charcoal / coke as required for pipe type earthing.	171.70	Rs. One Hundred Seventy One and Seventy Paise Only	Nos	3605.70
68	2.00	Supplying & erecting earth pit of minimum bore dia.150mm size approved make Earthing Electrode consisting Pipe-in-Pipe Technology as per IS 3043-1987 made of corrosion free hot dipped G.I.Pipes having Outer pipe dia of 50mm having 80-200 Micron galvanising, Inner pipe dia of 25 mm having 200-250 Micron galvanising, connection terminal dia of 12mm with constant ohmic value surrounded by highly conductive compound with high charge dissipation suitable for following type of applications with chamber and heavy duty cover. (A)(approved make OEM has to submit test certificate including value of earth resistance of installation duly stamped and signed by agency and officer Incharge has to ensure the value of earthing resistane mentioned in test Certificate) & having back filling compound of (B) Inner chemical (CCM Compound)- Resistivity:- 0.2 ohm / meter testing as per IEC 62561-2017, Voltage drop:- < 1 volt at no load & dry form, Sulphar content:- <2%(C) Back fill Compound :- Earthing compound should be capable to retain moisture for long time Necessary test report must be submitted by	4591.46	Rs. Four Thousand, Five Hundred Ninety One and Forty Six Paise Only	Nos	9182.92
69	2.25	Providing & erecting weather proof, dust & vermin proof, floor mounted front operated indoor type cubical panel board necessary IP-42 and above protection as per approval from engineer incharge made from 14 SWG thick CRC M.S. sheet for outer body & doors, 16 SWG thick CRC M.S.sheet for internal partitions with necessary accesories , supporting angles/ flats channel including cutting, bending, drilling, welding, riveting with internal partitions & cable alley as per requirements & instruction of engineer-in-charge with erection of supplied switch gears, BUSBARS, suitable size of inter connecting PVC copper wire / copper-aluminium strips, rubber grommets, rib, bakelite control fuses/MCB for measuring instruments, earth bus & earth bolts, foundation flange - bolts-base Plates, sufficient nos. of hinged doors, handles with locking arrangement and rubber gasket,heavy duty end terminal connection,danger notice board,necessary ventilation,earthing strip complete. The Panel shall be painted with epoxy powder coating. (The rates excludes the cost of switchgears, bus bars, inter connecting mains	10468.65	Rs. Ten Thousand, Four Hundred Sixty Eight and Sixty Five Paise Only	Sq mtr	23554.46

It. No.	Qty.	Item of Work	Estimated Rates		Unit	Total Amount
			In Figure	In Words		
1	2	3	4	5	6	7
70	200.00	Add for specialised type of fabrication work on height by using scaffolding or tower stair or rope as well as for lift machine room & siren works.	26.26	Rs. Twenty Six and Twenty Six Paise Only	Kg.	5252.00
71(a)	200.00	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 (C) 3 1/2 core 50 Sq. mm (25 Sq.1/2 mm core) (Mkae:- Finolix,RR Kable,Havells,polycab,KEI)	284.82	Rs. Two Hundred Eighty Four and Eighty Two Paise Only	Mtr	56964.00
71(b)	50.00	(F) 3 1/2 core 70 Sq. mm (35 Sq. mm 1/2 core) (Mkae:- Finolix,RR Kable,Havells,polycab,KEI)	378.75	Rs. Three Hundred Seventy Eight and Seventy Five Paise Only	Mtr	18937.50
72	1450.00	Providing and erecting XLPE (IS:7098)(I)-88 ISI armoured cable multistrand / Solid Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe of following size of cables (B) 4 core 6 Sq. mm (Mkae:- Finolix,RR Kable,Havells,polycab,KEI)	126.25	Rs. One Hundred Twenty Six and Twenty Five Paise Only	Mtr	183062.50
73	180.00	Providing and erecting XLPE (IS:7098)(I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe of following size of cables (A) 4 core 16 Sq. mm (Mkae:- Finolix,RR Kable,Havells,polycab,KEI)	153.52	Rs. One Hundred Fifty Three and Fifty Two Paise Only	Mtr	27633.60
74	1075.00	Making trench in soft soil of suitable width of 90 cm deep for laying cable or locating the fault all over the run and back filling the same and making the surface as normal ground..	55.55	Rs. Fifty Five and Fifty Five Paise Only	Mtr	59716.25
75	1100.00	Providing & laying approved make Double walled corrugated pipes (DWC) of polyethylene(conforming to IS 14930 II)with necessary connecting accessories of same material at required depth in existing trench for laying of cable. below ground / road surface for enclosing cable (A)50 mm Outer dia	62.62	Rs. Sixty Two and Sixty Two Paise Only	Mtr	68882.00
76(a)	168.00	Providing and, fixing heavy duty flange type brass cable gland with rubber ring for PVC insulated armoured cable complete with out going tails, insulating tape etc for following size of cables.(B) 2 to 4 core 6 Sq. mm	38.38	Rs. Thirty Eight and Thirty Eight Paise Only	Nos	6447.84
76(b)	2.00	(D) 2 to 4 core 16 Sq. mm	47.47	Rs. Forty Seven and Forty Seven Paise Only	Nos	94.94
77(a)	2.00	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.. (A) 3 core 35/50 Sq. mm	75.75	Rs. Seventy Five and Seventy Five Paise Only	Nos	151.50
77(b)	2.00	(E) 3 & 1/2 core 70 Sq. mm	103.02	Rs. One Hundred Three and Two Paise Only	Nos	206.04

It. No.	Qty.	Item of Work	Estimated Rates		Unit	Total Amount
			In Figure	In Words		
1	2	3	4	5	6	7
78(a)	352.00	Solder less crimping type Aluminium lugs conforming to IS suitable for cable of following size evenly crimped with high pressure tool & connected to switchgear terminals with brass/cadmium plated nut bolts in an approved manner. (A) 1.5/ 2.5/4/6 Sq.mm	6.06	Rs. Six and Six Paise Only	Nos	2133.12
78(b)	18.00	(C) 16/25 Sq.mm.	15.15	Rs. Fifteen and Fifteen Paise Only	Nos	272.70
78(c)	8.00	(D) 35/50 Sq.mm.	20.20	Rs. Twenty and Twenty Paise Only	Nos	161.60
78(d)	6.00	(E) 70 Sq.mm.	25.25	Rs. Twenty Five and Twenty Five Paise Only	Nos	151.50
79	10.00	Providing and erecting Approved make Ceiling fan with double ball bearing ISI mark with condenser A.C. 230V.50 c/s.1200 mm. sweep complete, canopy erected on existing hook or clamp with earthing. [Make shall be approved by Engineer in charge] (Make: Bajaj,Havells, Orient, Crompton)	1596.81	Rs. One Thousand, Five Hundred Ninety Six and Eighty One Paise Only	Nos.	15968.10
80	10.00	Supplying and erecting 19 / 20 mm. nominal bore Medium Class M.S. Pipe down rod erected duly painted for fan complete with proper insulation without leakage and earthing.	108.07	Rs. One Hundred Eight and Seven Paise Only		1080.70
81	6.00	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 [A] 305 mm dia 900 RPM Cat II (Make: Bajaj,Havells, Orient, Crompton)	2054.34	Rs. Two Thousand, Fifty Four and Thirty Four Paise Only	Nos.	12326.04
82	8.00	Supplying and erecting approved make double ball bearing oscillating type Heavy duty bracket fan with Aluminium Blades A.C. 230V. 50cy/s wall mounted with height adjustment and rotary tilting device complete with guard, wall bracket,mounting accessories as directed.(B) 600mm (Make: Bajaj,Havells, Orient, Crompton)	6438.75	Rs. Six Thousand, Four Hundred Thirty Eight and Seventy Five Paise Only	Nos.	51510.00
83	42.00	Supplying and erecting approved make Octagonal pole made from HR sheet steel. The pole should be made as per IS. and shall be coated with hot dip galvanizing as per IS 2629/2633/4759, suitable suspend local wind speed with integral Junction box consist of terminal plate of min 6mm Hylam sheet, standard profile 35mmX7.5mm Din-Rail for MCB Mounting, stud type terminal and arrangement for cable termination to be erected With Suitable foundation (Included) as per details given by manufacturer considering site requirement. (C) 5 Mtr. Long 70 mm Top X 130 mm bottom dia, 3 mm thickness with 200mmX200mmX12mm base plate, 4-M16 Bolts and 600mm long with necessary G.I. J Bolts .Approx Pole weight 46 kg	6874.06	Rs. Six Thousand, Eight Hundred Seventy Four and Six Paise Only	Nos.	288710.52

It. No.	Qty.	Item of Work	Estimated Rates		Unit	Total Amount
			In Figure	In Words		
1	2	3	4	5	6	7
84	44.00	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]	476.72	Rs. Four Hundred Seventy Six and Seventy Two Paise Only	Nos	20975.68
85	42.00	Supplying and erecting Street light pole bracket comprising main B Class GI pipe of 4.2 cm/require outside dia. complete with suitable B Class G.I. sleeve tubing of approx. 45cms.length and suitable for 76.5mm/80mm/require size of pole top having nuts and bolts for fixing the brackets and having spread of 0.5 mtr. Length with 110 deg.with vertical plane and suitable welded stiffener reducer and nipple with check nut complete painted with one coat.of Red oxide / PU base primer and two coats of Aluminium / PU paint. paint with following nos of arms.[A] Single Arm bracket 0.5 Mtr	491.87	Rs. Four Hundred Ninety One and Eighty Seven Paise Only	Nos	20658.54
86	4.00	Supplying and erecting B class Galvanized iron pipe having smooth finished bore of the pipe on both ends erected nuts and bolts along the pole / wall shaping the pipe as per site requirement. Pipe dia as following. (E) 65 mm dia.	394.91	Rs. Three Hundred Ninety Four and Ninety One Paise Only	Mtr.	1579.64
87	1.00	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	13350.18	Rs. Thirteen Thousand, Three Hundred Fifty and Eighteen Paise Only	Nos	13350.18
88	1.00	Providing & erecting water cooler having storage capacity 150 Ltr. & cooling capacity 150 Ltr.per hour @ an ambient temp of 45° C. The outlet temp. of the water should drop by 15°C within a hour, The water cooler should be comprising of hermetically sealed compressor, fan motor, condensing unit, water tank surrounded by evaporating, coil, thermostats, relay etc.complete with necessary inlet & outlet connection. The body of water cooler will be made from Stainless Steel. (Make: usha,Blue Star,Voltas)	55893.40	Rs. Fifty Five Thousand, Eight Hundred Ninety Three and Forty Paise Only	Nos	55893.40
89	1.00	Supplying & erecting 5 stage single reverse osmosis water purification system with M.S. powder coated frame, prefilter housing with 'O' ring presediment filter GAC filter, carbon filter suitable buster DC pump capacity 80 psi, mention with 40 psi inline type post carbon filter auto low & high pressure switches with following size of storage tank & LPH capacity & erected as directed [C] 50 Ltr / Hr with 150 psi 2 nos booster pump	29187.99	Rs. Twenty Nine Thousand, One Hundred Eighty Seven and Ninety Nine Paise Only	Nos	29187.99
			TOTAL		Rs.	27451509.02

i.e. Rs. Two Crore Forty Five lacs Fifty One Thousand Five Hundred Nine & Zero Two paisa only.

It. No.	Qty.	Item of Work	Estimated Rates		Unit	Total Amount
			In Figure	In Words		
1	2	3	4	5	6	7

I/We am/are willing to carry out the work @ _____ % _____
percent (should be written in figures and words) below / above, the estimated rates
mentioned above, amount of my/our tender works out as under :

Estimated amount put to tender	Estimated amount put to tender
Deduct.....% below	Deduct.....% below
Net Rs. _____	Total Rs. _____
In words _____	In words _____

Note :-

- The Contractor shall exhibit a board with detailed specification and details of work as directed by the Engineer-In-Charge for which no extra payment shall be made.
- The labour cess will be deducted as per prevailing rules i.e. 1% of the work done.
- GST and Income tax TDS will be deducted at a source while making payments of bills.
- In all R.C.C. Items in Rate Analysis Standard Cement Consumption has been taken as per Govt. G.R.: PRC-10/2017 Cement Consumption/16/C, Date:11/05/2017 as stated in S.O.R. therefore in R.C.C. items where there is a change as per actual mix design the cost of difference of cement consumption have been deducted from the rate of original item at the rate of input rate mentioned in all the tender.
- The Contractor will have to submit the mix design for different grades of cement concrete at his own cost before execution as directed and to be approved from the Engineer in charge.**
- Dismantalled materials of amount of Rs. 0.00 must be recovered from 1st R.A. bill of Contractor's.**

Executive Engineer
Godhra (R & B) Division
Godhra