

INDICATIVE PRICE BID (TO BE SUBMITTED ONLINE)

ELECTRICAL WORKS AT SBI, RBO AND LAL BUNGALOW BRANCH AT JAMNAGAR

S N	Item	Unit	Qty	Rate Rs.	Amount Rs.
A INTERNAL WIRING :					
1	P and M point wiring in concealed in walls, furniture's & for above false ceiling, or on ceiling, on beams shall be fixed with saddles & spacers etc., with conduits taken in slab with 20 mm dia PVC FRLSH Rigid conduits 1.5 mm thick ISI mark with 2 nos. of 1.5 sq. mm. phase & neutral & 1 nos. of 1.0 sq. mm. earthing with modular switch with company made flush metal box/surface PVC FRLSH box etc. comp. with necessary main lines for switch board from LDB of mains of 2 nos. of 2.5 sq.mm wire and 1 no. of 1.0 sq mm PVC FRLSH Insulated copper conductor wire FRLS type laying in with 20 mm/25 mm dia PVC FRLSH rigid conduits 1.5 mm thick ISI mark .These will be used with point wiring of light, fan, ex. fan, call bell points, etc { Max. 3 Switchboards in one circuit - One Spare MCB }.Phase wire must be Red colour, Neutral Wire must be Black colour & Green Wire for Earthing. Colour code must be maintained. Tagging from Lighting DB MCB and Switch board must be done.				
a	One 5A switch controlling one light point	Nos.	30		
b	One switch controlling Two light points	Nos.	5		
c	One 5A switch controlling one fan point	Nos.	5		
d	5A socket outlet with 5A SP switch (as an independent point) [for ex. Fan, 1 for LCD, for Wall fan	Nos.	10		
2	SITC of 6/16 Amp. Switch and socket complete with necessary require wiring from PDB of 2 no of 4.0 sq mm wires and 1 no of 2.5 sq mm PVC FRLSH Insulated copper conductor wire laying in with 20 mm/25 mm dia PVC FRLSH rigid conduits 1.5 mm thick ISI mark. These will be used with point wiring of power points ,etc	Nos.	2		
B LIGHTING FIXTURES :					
(NOTE : ANY OF FIXTURES AND FITINGS SHALL BE RE-CONFIRMED WITH THE ARCHITECTS / CONSULANTS BEFOTE ORDERING THEM.					
1	Supply, installation, testing and commissioning (including supply and fixing flexible wires from holder to fixtures hard wares etc.) of.... - The PL / CFL lamps should be of same make as fixture make. - The marking & cutting of fixtures should be in electrical contractor's scope.				

	Lighting Luminaire of LED for Office single piece die cost aluminium M24 housing complete with driver unit, mirror optic and other accessories Lamps of about 100 lumen/W injection moulded PC diffusers with high brightness complete unit complying with international standard (LU49, LH801) LED Lamps on 190V - 270 V 50 Hz with Mini 3 years warranty complete with mounting system and lamp Dully wired and tested Details as under.			
a	LED tube light surface mounting type with tube, 1 x 18 Watt, complete .	Nos.	30	
b	Supply and installation of metal body & blade Exhaust fan of 300 mm, fresh air ventilator type with louver complete & 6 Amp. 3 pin TOP. (Crompton/ Khaitan/Bajaj/Orient make) [Wooden mounting frame should be fixed in coordination with carpenter - furniture contractor.]	Nos.	2	
c	Supply and installation of 48" Ceiling Fan with fan step modular regulator, Max. 3 feet Fan Rode, Anchor Fastener, etc.(WHITE COLOUR) Orient PSPO or Equivalent approved make in Crompton, Model High Breeze Plus BEE 5 Star labelled ceiling fan ,Aluminium body , copper winding	Nos.	5	
C DISTRIBUTION BOARD AND PANELS :				
1	Supply, installing, testing and commissioning of metallic double door type distribution board with all necessary connection complete to be installed concealed in wall / surface mount complete to the satisfaction of the Engineer in charge. The DB should be of same make as MCB make. Vertical Type for cable connections			
a)	10 - WAY SPN DB : (LDB)	Nos.	1	
	outgoing : 25A DP ELCB, 100mA (3 nos)			
	outgoing : 6 to 10 A SP MCB (10 nos)			
	All MCB must be B Type Characteristic			
	Main Incomer 32 amp FP MCB			
D CABLES & CABLE TERMINATIONS:				
	Supply, Lying, installation, testing and commissioning of following sizes of PVC FRLSH insulated PVC sheathed copper / aluminium conductor armoured cable to be laying in existing cable trench or to be laid in existing pipes of with necessary clamps, spacers with cleating on wall ceiling etc. complete to the satisfaction of EIC. All types of cable excavation works should be in contractor's scope.(LENTH TO BE VERIFY AT SITE) with Complete termination & Metal Glanding			
1	3.5 x95 Al armour cable.	Mtr.	40	
2	3.5 x70 SQ MM FF Al armour cable.	Mtr.	30	
3	3.5x 70 Sq mm SF Al armour cable.	Mtr.	40	
4	3.5 x 35 Sq mm GF and Motive power (Lift and motor pump)	Mtr.	75	

	CABLE ENDTERMINATION			
1	3.5 x 95 Al armour cable.	Nos.	2	
3	3.5 x70 SQ MM FF Al armour cable.	Nos.	2	
4	3.5x 70 Sq mm SF Al armour cable.	Nos.	2	
5	3.5 x 35 Sq mm GF and Motive power (Lift and motor pump)	Nos.	8	
E	EARTHING SYSTEM:			
1	Providing and making Earthing Pit with all necessary material and making masonry kundi, watering arrangement etc complete as per ISI 3043-1987 (FOLLOWING ITEMS MAY OPERATE)			
	Safe earthing electrode certified for use upto 11kv with 3.00 m pipe back filling compound 2 bag of 25 Kg. with outer pipe 50mm dia and inner 25 mm dia pipe and compound filling as per UL 476 as approved by PWD (Chemical Copper Earthing) ETP MAKE or ASHLOK MAKE With 3 years Manufacturer warranty. Any other make will not be consider. 3 years Manufacturer Warranty. Earthing Certificate Need to Attached).(At the Time of buried of earthing Photograph must be taken Without Photographic Proof Earthing Will be Rejected. Earthing Road Photo Must be attached with Bill.)	Nos.	4	
2	Supply, laying and jointing of following wire / strip / earth cable on walls, ceiling etc. With necessary non rusting clamps, washers, nuts and bolts etc complete			
a	8 SWG G.I. Wire with 20 mm dia. PVC rigid conduit duly cleated / concealed / buried in floor etc. complete for ELE. PANEL, ALL DBS , ETC.	Rmt	30	
b	8 SWG CU. Wire with 20 mm dia. PVC rigid conduit duly cleated / concealed / buried in floor etc. complete	Rmt	30	
c	25 x 3 mm G.I. Strip (From earthing to Main panel)	Rmt	200	
F	GROUND FLOOR MAIN PANEL (Fire Pump)			
1	100 Amp MCCB With Rotary Handle And Spareder	Nos.	1	
2	DP MCB 10/16 Lighting	Nos.	10	
3	RCCB 25 Amp 30M Amp Lighting	Nos.	10	
4	FP 63 Amp. MCB LIFT	Nos	5	
5	Fabrication Bus Bar , Indicating Lamp etc	Nos.	1	
6	Installation Charges	Nos.	1	
G	FIRST FLOOR MAIN PANEL			
1	100 Amp MCCB With Rotary Handle And Spareder +VRF	Nos.	2	
2	TP MCB 10/16SPLIT AC	Nos.	11	
3	FP MCB 10/16 LIGHTING	Nos.	20	
4	FP MCB FOR 40 Amp Cassette AC	Nos.	8	
5	RCCB 25 Amp 30M Amp Lighting	Nos.	10	
6	Fabrication Bus Bar , Indicating Lamp Etc	Nos.	1	

7	Installation Charges	Nos.	1		
H	SECOND FLOOR MAIN PANEL				
1	100 Amp MCCB With Rotary Handle And Spareder +VRF	Nos.	2		
2	TP MCB 10/16SPLIT AC	Nos.	14		
3	FP MCB 10/16 LIGHTING	Nos.	20		
4	FP MCB FOR 40 Amp Cassette AC	Nos.	8		
5	RCCB 25 Amp 30M Amp Lighting	Nos.	10		
6	Fabrication Bus Bar , Indicating Lamp Etc	Nos.	1		
7	Installation Charges	Nos.	1		
I	ELECTRICAL HT WORKS				
1	Providing and Installing HTMC panel of approved make to accommodate PGVCL's energy meter and doors are sealable. It should be weather proof and safe for the operation and maintenance easy to take monthly reading. It should be self supporting and placed on foundation about 300 MM above the highest flood water level.	Nos.	1		
2	Providing and Installing of 315 KVA CSS 11 KV /433 V ONAN Type approved make IS:1180. It should be weather proof and safe for the operation and Maintenance. It should be self supporting and placed on foundation about 300 MM above the highest flood water level. The CSS is containing incomer RMU with one in one out configuration and it shall be receiving 11 KV power cable from HTMC and outgoing shall be connected to Transformer. The transformer shall be oil cooled confirming to IS 1180 and voltage shall be 11000 as input and 433 volt as output. There shall be Off Circuit Tap Changer seven steps - two to reduce and four for increasing the voltages. L T side shall have Indicating Lamp(R,Y,B Phase Each), Multifunction Meter, one nos of three phase four pole MCCB 630 Amps 50 KA breaking capacity, 4 nos of three phase four pole MCCB 125 Amps 36 KA. Both of the MCCB input/output shall have sets of spreaders. The cubical CSS shall be weatherproof and shall be installed close to Point of Power Supply by PGVCL.	Nos.	1		
3	Providing of 70 sq. mm. 3 core 11 KV(E) HT XLPE Al armoured Cable on approved make. The H T Cable shall be providing power supply from HTMC to CSS.	Mtr.	75		
4	Providing and Installing of the 19 mm Dia 3 Mtr. Long Copper bonded Earthing with bentonite chemical and RCC Chamber 300X300 mm on approved make.	Nos.	2		
5	Providing and Installing of the 50 mm Dia 3 Mtr Long GI Chemical Earthing with bentonite chemical and RCC Chamber 300X300 mm on Approved.	Nos.	5		

6	Providing of the 185 sq. mm. X 3.5 core Al. armoured Cable and Laying to the proposed side of Installing of the transformer.	Mtr.	200		
7	Providing and Installing of the Ladder type Cable Tray 150 mm X 25 mm	Mtr.	20		
8	Contract work. 1. Digging of the Cable Trench Approx. 70 Mtr. For HT Cable Laying + 20 Mtr. For LT Cable Laying. 2. Laying of the 70 sq. mm. X 3 core 11 KV HT Cable - 75 Mtr.	Mtr. Approx	275		
9	Providing and Installing of the Cable End Termination on 120 sq. mm X 3.5 Core Al. armoured Cable	Nos.	6		
10	Providing and Installing of the Cable End Termination on 70 sq. mm. X 3 core 11 KV(E) HT Cable	Nos.	3		
11	Liasoning Charges with DISCOM for Application and Passing out the 11kv/433 V, 315 KVA CSS.	Job	1		
12	Street Light in entire area. 4" dia pole of 7 mtrs height, Bottom Section-114.3 mm x 3.6 mm x x 4 mtr, Middle Section-88.9mm x 3.25mmx1.5 mtr and Top Section-76.1mm x 3.25mmx1.5 mtr, Base plate size-300x300x4mm, Termination hall-2.25mtr, Earth bolt height-2.0mtr with syntax box, MCB and concreting and bolting of approved size by the Architect for base of the pole. (Shape-Round, Material-High quality steel, Surface Treatment-Hot dip galvanizing, Arm Bracket-Single, Arm Length-1Mtr, 100 Watt LED Light single arm, Fuse/MCB cover included)	Nos.	20		
			Sub-Total(A+B+C+D+E+F+G+H+I)		
GST extra as applicable					