



**TENDER FOR
ELECTRICAL AND DATA CABLING WORK
OF
BANK OF BARODA
KOIRA BRANCH**

CONSULTANT

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BOQ FOR ELECTRICAL & DATA WORK FOR BANK OF BARODA , KOIRA BRANCH

SL.No.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT
	1. WIRING TO POINTS				
1	Recess conduit wiring to light, ceiling fan, exhaust fan points with (2x1.5 sq mm + 1(1x1sqmm) PVC single core copper wire in PVC/ Super polythene pipe with galvanized iron junction & switch boxes & clip in type 6 Amp modular type switches with all accessories, T&P & as directed by the Engineer-in-charge.				
	i) Primary (1 light/fan controlled by one switch)	Nos.	30.00		
	ii) Secondary point (2 lights controlled by 1 switch)	Nos.	15.00		
	iii) Primary point (wall fan controlled by 1 switch and one sockets) 5 Amp.	Nos	15.00		
2	A. Recess conduit wiring to 6 Amp plug socket with switch on existing board as above	Nos.	15.00		
	B. Recess conduit wiring to 5/15 Amp plug socket with switch on separate board as above.	Nos	10.00		
3	Supply of all required materials and wiring to circuits/sub mains with PVC insulated 1100 Volt Grade concealed wiring with 2X(1X2.5 sqmm) + 1X(1X1.5 sqmm) copper wire (PANEL TO GLOW SIGN BOARD).The places as located in drawing & as per direction of Engineer-in-charge.	Mts	30.00		
4	supply ,installation and testing of Timer with contractor(L&T) make controlling the glowsign board with all accessories complete as required as per the direction of engineer in charge.The system will be a part of the panel board.	Nos.	1.00		
5	Supply of all required materials and wiring to circuits/ submains with following number and sizes of PVC insulated 1100 volt grade standard copper wire run inside pre-laid PVC conduit pipe of ISI mark as required and copper wire as earth continuity conductor and complete in all respect including making good to all damages caused and as per the direction of Consultant and Engineer-in- charge.				
	A. Recessed wiring with 2x(1x2.5sqmm) +1x(1x1.5sqmm) copper wire	Mts	400.00		
	B. Recessed wiring with 2x (1x4sqmm) + 1x (1x2.5sqmm) copper wire	Mts	125.00		
	C. Recessed wiring with 4x (1x10sqmm) + 1x (1x6.0sqmm) copper wire	Mts	50.00		
6	Suppling ,fixing and testing of indoor wall mounted type distribution board of door type of approved make .				
	L.D.B	Set	1.00		

SL.No.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT
	12 way DP DB Incoming 1 No. 32A DP MCB Out going 10 No. 6-10 A SP MCB				
7	Supply of all required materials and wiring to AC plug point with 2 (1x4sqmm) PVC insulated copper wire run inside screw type PVC conduit pipe with ISI market laid on surfaced/recessed of wall/celling alongwith 1 (1x2.5sqmm) PVC insulated copper wire as earth continuity conductor complete in all respect including with use of 1.5 TR AC starter, concealed metal boxes with cover, wire, 20A SPN metalclad plug socket, metallic switch box for plug, junction box etc complete with making good the damages caused as required and as per direction of Engineer in charge.	Nos.	5.00		
2.COMPUTER WIRING					
1	Supply of all required materials and wiring to circuits/ submains with following number and sizes of PVC insulated 1100 volt grade standard copper wire run inside pre-laid PVC conduit pipe of ISI mark as required and copper wire as earth continuity conductor and complete in all respect including making good to all damages caused and as per the direction of Consultant and Engineer-in-charge.				
	A. Recessed wiring with 2x(1x2.5sqmm) +1x(1x1.5sqmm) copper wire	Mts	245.00		
	B. Recessed wiring with 2x (1x4sqmm) + 1x (1x2.5sqmm) copper wire	Mts	85.00		
2	Supplying & fixing of UPS input DB company made & wired with double door arrangement OF APPROVED make) with following arrangement. Incoming 63 amp TPN MCB– 1 no	SET	1.00		
3	Supplying & fixing of UPS output DB company made & wired with double door arrangement OF APPROVED make) with the following arrangement. Outgoing 40 Amp DP MCB – 2 nos. (1main & 1 spare).	SET	1.00		
4	Suppling ,fixing and testing of indoor wall mounted type distribution board of door type of approved make .				
	C.D.B	SET	1.00		
	10 way SPN DB Incoming 1 No. 32A DP MCB Out going 8 No. 6-10A SP MCB				
5	Supplying & fixing of computer terminal boxes made of G.I. fitted with (3nos. of 6 Amp switches + 3 nos. 6Amp socket), all clip in modular type & as per direction of Engineer-in-charge.	Set	10.00		

SL.No.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT
6	Providing and fixing of chemical earth electroad made out of 50mm dia class-B Asahalock or equevalent 2m length with copper plate made out of 600x600x3.15 mm tinned copper plate along with one number 40x5mm tinned copper strip grazed with the plate buried vertically with top edge of the plate at a depth of 1500 mm with arrangements for termination of copper strip of earth continuity conductor including cost of charcole, saltoreign soil, water pouring arrangements brick massionry encloser on top with R.C.C cover complete with labour and material as per direction of Engineer-in-charge	Set	1.00		
7	Supply and installation of Single isolation switch for entire branch combination of SPN, Single Door, Metal type Distribution Board. (hager IP43, legrand make Ekinox3 model or equivalent make as approved by Engineer-in-charge), surface / flush mounted on wall, interconnected wiring complete with earthing lugs, including DB wiring, termination of circuits with ping type copper lugs, blank plates, etc. housing following switchgears : Single Isolation Switch - 12 WAY SPN DB,2 NO 63A - 415 V- 4P Isolator.8 Way SPN DB	Nos	2.00		
8	The earth lead by 8sq.mm PVC single core copper wire in GI pipe to connect from earth electrodes to UPS outgoing earth bus & as per direction of Engineer-in-charge.	Mts	55.00		
3. FITTINGS AND FIXTURES					
1	Supply,installation and testing of recess lights mirror optics fittings (36 WATT LED,4000K) of size 2'-0"x2'-0" with all accessories complete assembly of HAVELLS,SOFTLINE NEO (MODEL No.LHEWEBP6UL1W036) as required as per direction of Engineer in charge.	Nos.	13.00		
2	Supply,installation and testing of spot light mirror optics, fittings (15 WATT LED,6000K) with all accessories complete assembly of HAVELLS,Endura DL,18 WATT (MODEL No. LHEBJNP71N1W018) as required as per direction of Engineer in charge.	Nos.	20.00		
3	Supply,installation and testing of single tube lights patty fittings (1x28wt) of surface mounting with all accessories complete assembly of Philips (MODEL No. ASPIRE-T5,28 WATT) as required as per direction of Engineer in charge.	Nos	10.00		
4	Supply,installation and testing of Flexible LED strip of Model (5M IP20) 5mtr,with very wide angel of 120 degree for good light distribtion. 24W LED 3K Having Ordering code LHJDO1024398 ALONG WITH HF Electronic Driver For 24w led flexi strip LHBD05148274 (Havells)	SET	13.00		
5	Providing and fitting of 450 mm sweep Wall fan /Ceiling fan of approved make .	Nos.	15.00		
6	Supply,installation and testing of Flexible LED strip of Model (5M IP20) 5mtr,with very wide angel of 120 degree for good light distribtion. 24W LED 3K Having Ordering code LHJDO1024398 ALONG WITH HF Electronic Driver For 24w led flexi strip LHBD05148274 (Havells)	Nos.	26.00		
7	Providing and fitting of 400 mm sweep Exhust fan of approved make .	Nos.	3.00		

SL.No.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT
8	Supply and Installation of 4KVA Hi end Inverter,confirming to IS:13314,Energy efficient,3 or more star rated,battery back up of more than 240 min,input voltage single phase,sine wave (120-260 volt) and output voltage single phase,sine wave 230 volt.Capacity of Battery - 200 MH (04 Nos),Inverter Make-Luminous/Microtek,Sukam/V Guard and Battery Make-Exide/Amaron/Microtek (warranty for Inverter/Battery- Minimum -3years.	SET	1.00		
4. PHONE WIRING .					
1	Supply of all required materials & laying of the following sizes of phone wires of approved make inside the approved size PVC conduit complete in all respect as per instruction of EIC .2 pairs telephone wires	Mtrs.	25.00		
2	Supply , fixing , testing of phone point with suitable GI boxes with phone , socket complete in all respect as per direction of EIC.	Nos.	2.00		

SL.No.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT
5. MAIN PANEL BOARD					
1	Supply, delivery, installation , testing , commissioning , of L&T indoor wall,floor , mounted , type distribution boards made out of 2 mm thk. CR sheet metal duely acid treated premised & painted with 2 coats of enamel paint compartment arrangement for each equipment & bus bar chamber on the top of the panel running horizontal through out its length duly lamp , vermin proof having provision cable by conduit entry , earthing stud as per specification mentioned below duly factory wired confirming to the relevant ISS & as per special condition of contract , making good the damages M.S. Cubical type Panel board should have hinged door at the front. The panel shall be provided with all accessories & following arrangements complete in all respect & direction of EIC (before fabrication of panel board drawing is to be approved by Engineer-in- charge). Incoming- 1No 125 A TPN MCCB 125A bus bar 63 A Change over Out going- 5Nos 32 A DP MCB for A.C 1Nos 40 A DP MCB for LDB/PDB 1Nos 63 A FP MCB for UPS 1-500 Amp. Meter with selector switch Volt meter Phase indicator lamp	Set	1.00		
2	Earthing as per I.E. rules with 40mm dia G.I. pipe of 3 mt. Long perforated on all sides with arrangements of light , termination of 600x600x3mm copper plate & 19x3 G.I flat firmly connected to plate with copper nut & bolt , washer etc . The earth pit should be filled with alternate layers of charcoal, salt & soil. The brick masonry chamber is to be covered with CI cover of minimum 300mm x 300mm size with all accessories & as per direction of Engineer-in- charge.	Nos.	2.00		
3	Supplying & fixing Earth lead with 8nos. of GI wire.	Mtrs.	50.00		
6.LOCAL AREA NETWORK (LAN)					
1	Recess wiring with Cat-6 Lan cable with PVC conduit	Mtrs.	100.00		
2	Supply and fixing of Cat-6 IO box with cover for LAN	Nos.	10.00		
3	Supply and fixing of Cat-6 Patch chord 2 mtr long	Nos.	10.00		
4	12U Data Rack-D-Link With Patch Panel	Nos.	1.00		
5	24 Port 10/100 Switch-D-Link	Nos.	1.00		
Buyback of Old Items					
1	Buyback of existing old items as per the list given by Bank.Minimum Buyback Value - 70,000.00				
Total Amount In Words - Rupees					
BOQ FOR ELECTRICAL & DATA WORK FOR E-LOBBY OF BANK OF BARODA , KOIRA BRANCH					
1. WIRING TO POINTS					
		UNIT	QUANTITY	RATE	AMOUNT
1	Supply of all required materials for wiring point for AC ISI mark 4mm, 1.5mm copper wire with 32Amp A.C starter with MCB, 15Amp socket all accessories	Nos.	2.00		
2	Supply of all required materials for computer, ATM Machine, Plug point of 2nos, 5Amp switch, socket 1 no,15 Amp switch, socket on same board.	Nos.	3.00		

SL.No.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT
3A	Supply of required materials of light point wiring single core copper wire phase and neutral and 1.5mm copper wire earthing	Nos.	10.00		
B	5Amp Plug on same Board	Nos.	10.00		
4	Supply of all required materials and installation of 2x2.5Sq.mm+1x1.5 Sq.mm copper wire from UPS to Computer Point as per the direction of the Engineer-in-charge. (Make Finolex)	Mts	50.00		
5	Supply of all required materials and installation of UPS wiring of 2x6sqmm + 1x2.5mm copper wire from ATM Panel to UPS input as per the direction of the Engineer-in-charge. (Make Finolex)	Mts	50.00		
6	Supply of all required materials and installation of 10Amp SP MCB-2nos, 20Amp SP MCB-2nos., 32Amp DP MCB-1nos of computer DB and light DB as per the direction of the Engineer-in-charge.	SET	3.00		
7	Supply of require materials and instalation of ATM panel - 63Amp TPN main switch, AC timer, 40Amp DP MCB -2nos, 63Amp DP MCB-2nos, TPN Bus bar, Volt-Amp meter with all accessories Engineer -in-charge.	SET	1.00		
2. FITTINGS AND FIXTURES					
1	Supply,installation and testing of recess lights mirror optics fittings (36 WATT LED,4000K) of size 2'-0"x2'-0" with all accessories complete assembly of HAVELLS,SOFTLINE NEO (MODEL No.LHEWEBP6UL1W036) as required as per direction of Engineer in charge.	Nos.	3.00		
2	Supply,installation and testing of spot light mirror optics, fittings (15 WATT LED,6000K) with all accessories complete assembly of HAVELLS,Endura DL,18 WATT (MODEL No. LHEBJNP71N1W018) as required as per direction of Engineer in charge.	Nos.	12.00		
3. EARTHING					
1	Earthing as per I.E. rules with 40mm dia G.I. pipe of 3 mt. Long perforated on all sides with arrangements of light , termination of 600x600x3mm copper plate & 19x3 G.I flat firmly connected to plate with copper nut & bolt , washer etc . The earth pit should be filled with alternate layers of charcoal, salt & soil. The brick masonry chamber is to be covered with CI cover of minimum 300mm x 300mm size with all accessories & as per direction of Engineer-in- charge.	Nos.	1.00		
2	Providing and fixing ,laying and testing of 25x3mm copper flat for earthing to UPS		30.00		
4.DATA WIRING TO ATM					
1	Supply & fixing of CAT-6 Cable from Branch switch to ATM Mechine	Mtrs.	50.00		
2	Supply & fixing of I/O with box and RJ - 45 Connector	Nos.	5.00		
3	Supply and fixing of power supply cable 4 core 16mm alluminium admer cable from Branch panel to ATM panel as per required all accessories	Mtrs.	50.00		

SL.No.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT
	TOTAL			Rs	
	Total Amount In Words - Rupees				
ABSTRACT					
	ELECTRICAL WORK OF BRANCH			Rs	
	ELECTRICAL WORK OF E-LOBBY			Rs	
				GRAND TOTAL	
	Total Amount In Words - Rupees (Excluding GST)				