

**STATE BANK OF INDIA
LOCAL HEAD OFFICE, GUWAHATI
PREMISES & ESTATE DEPARTMENT
GUWAHATI, ASSAM.**

ELECTRICAL INSTALLATION WORK OF ALTERNATE PREMISES OF RBO GUWAHATI RURAL AT AMINGAON, GUWAHATI, ASSAM

PRICE BID

Sl.No.	Description	UOM	Qty.	Rate (Rs.) (Exclusive of GST)	Amount (Rs.) (Exclusive of GST)
1	Main Panel: Supply and Installation,testing and commissioning of floor/wall mounted panel fabricated with 16SWG CRCA sheet. The panel shall be dust and vermin proof including internal connection with bus bar/cables up to the terminals duly painted with two coats of Seimens grey powder coated paint,danger board etc. and comprising of the following:- i) INCOMER: a) 250 amp ,4P ,36KA MCCB having over volatge potection with control fuses three LEDs R,Y,B.(APDCL) along with ammeter & Voltmeters of relevant range and selector switch ii) OUTGOING: a) 300 amp rated tinned copper busbar i) 6 nos. 63A 4P MCCB of 36 kA (MCCB Make - Legrands/ Havells/L&T/SIEMENS or equivalent)	Set	1		
2	APFC Panel:- Supplying, Installing, testing and commissioning of 40 kVAR APFC panel floor/wall mounted front operated toatly enclosed vermin proof indoor non drowout cubical type power panel fabricated out of 16SWG thick CRCA sheet having gasketed hinged cover on each cubicle fully powder coated with suitable bus bar for connecting the capacitors, MCBs, contactors etc. wth the following accessories: A set of RYB LED indication lamp as incomer 63A TPN MCB C-type as incomer-01no., 2 nos. 40A 3P contactor for 10KVAR, 3 no. 32A 3p contactor for 5kVAR, 2 nos. 25A 3P contactor for 2 kVAR and 16A 3P contactor for 1 kVAR with 2 nos. 10 KVAR, 3 nos. 5KVAR, 2 nos. 2KVAR and 1 no. 1KVar capacitor alongwith 6 step APFC relay. THE panel shoulf have On/OFF push button for each capacitor with respective ON/OFF indication LED lamp	Set	1		
3	Sub-main line:- Wiring in MS conduit of IS specification of Proper size with core PVC insulated stranded copper wire 1.1KV grade (Finolex/Havells/Polycab/ RR Kabel/ Gloster/KEI or equivalent) and with supply ,installation, commissioning of all the materials required including proper termination, connection in complete as required from main DB to various DBs:-				
i)	with 3nos 2.5sq.mm (1ECC) for vrf ac indoor units	RM	120		

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ii)	with 3nos 4sq.mm (1ECC) for AC units	RM	110		
iii)	with 2nos 6sq.mm and 1 no. 4sqmm (1ECC) for SPN DBs	RM	240		
iv)	with 4nos 10sq.mm and 1 no. 6sq.mm (1ECC) For UPS input and AC ODU from MCCB	RM	60		
v)	with 2nos 16 and 1 no. 6sq.mm (1ECC) For UPS output	RM	20		
4	Supply ,installation ,testing and commissioning of distribution board manufactures made sheet steel enclosure With the following MCBs (DB, MCB and MCCB Make - Legrands/ Havells/L&T/SIEMENS or equivalent) and connecting the same to the system.				
i)	Computer DB, 12way SPN double door with 40A (100mA)DP RCCB as incomer & 10 nos 10A SP MCB as outgoing.	No.s	5		
ii)	4way DB with 40A 4P MCB UPS i/p	No.s	2		
iii)	2 way DB with 80A DP MCB. UPS O/p	No.s	2		
iv)	2 way DB with 16A DP MCB.	No.s	2		
v)	2 way DB with 32 A DP RCCB, 30mA for AC	No.s	4		
vi)	4 way VTPN Double Door Distribution Board with 63A 4 Pole MCCB (36kA) as incomer and 12 Nos. 6-20A C curve type SP MCB's at outgoing (ACDB and LPDB)	Set	2		
vii)	4way VTPN Double Door Distribution Board with 63A 4 Pole MCCB (36kA) as incomer and 2 No. of 40A TP MCB and 6 nos. 6-20A SP MCB at outgoing. All MCB should be C curve type (UPS room LPDB)	Set	1		
ix)	Light /RAW power DB 12 way SPN double door with 32A (100mA)DP RCCB as incomer & 10 nos 10-20A SP MCB as outgoing.	Nos.	5		
x)	Supply and fixing of 4 pole 63A MCCB for AC ODU	Nos.	2		
xi)	Supply and fixing of front handle operated 160A Change over switch in factory fabricated box (for main line)	Nos.	1		
xii)	UPS Changeover Panel: Supply & installation of 16 SWG thickness sheet steel enclosure including the following duly interconnected with 1no. 100 A DP ON load change over switch and distribution in various areas. i) 3 Nos. 25 mm x 6 mm tinned copper bus bars (Ph-1,N-1,E-1) ii) 6 Nos. 40 Amp DP MCB with all other internal connections (Legrand/Siemence/Schneider) UPS Changeover	Nos.	1		
xiii)	S&F 32 amps DP MCB in MS Box with one no. microrex time switch QT31 and 02 nos. 2 pole 20 amp contactor. (Timer for UPS room exhaust fans)				
5	Supplying, installing and commissioning of PVC Armored cable complete with proper cable glands and two nos. of 8SWG GI wire (Havell's/RR kebel/KEI/Gloster or equivalent) alongwith all the other materials required including proper connection in complete as required from main Panel, Power Distribution Board to various DBs .				
i)	With 4 core x 35 sq. mm Al cable for VTPN and AC ODU MCCB	RM	240		
ii)	With 3.5 core x 70 sq. mm Al cable for Generator	RM	50		
iii)	With 3.5 core x 120 sq. mm Al cable for mains	RM	50		

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6	Supply, installing and commissioning of earth station including digging and refilling back the pit with black soil and with 3.15mm x300mm size copper plate duly tinned through out the surface of the plate, placed at least 3.0 Mtr,below the ground level with 1nos 25x3 sqmm copper strip conductor in 32mm GI pipe, fixed to the plate and providing 40mm,3.2mtr,long GI pipe with reducer and funnel at top for watering pipe. The earth should be done confirming IS 3043 standard	Set	6		
7	Supplying and fixing 25x3 mm copper strip, insulated by heat pressurized heavy gauge PVC sleeve, duly jointed by full lap brazing and drawn underground in 40 mm class B GI pipe from the inspection pit to the inside of the branch premises.	Mtr	40		
8	Supplying and fixing 2X8 SWG dia copper earth wire in PVC conduit on surface or in recess for loop earthing from panel to DB	Mtr	180		
9	Computer/Raw Power point wiring in MS conduit of IS specification of proper size with 3nos 2.5sq.mm single core PVC insulated stranded copper wire 1.1KV grade FRLSH (Finolex/Havells/Polycab/ RR Kabel/KEI/Gloster or equivalent) and with all material supply installation and commissioning complete from CDB/PDB(Raw) .The wiring shall be carried out on surface above false ceiling by chiseling the existing surface and plastering the same with cement etc. after fixing the MS conduit with all accessories like saddles screws, bends T-joint etc. 2 coats of painting Matching to the surface including supply installing, testing, commissioning of modular plate type switch and socket (Legrands / MK or equivalent) for computer terminal on sheet steel enclosure (cadmium plated),duly fitted with screw to the steel conduit and fixed to the wall partition furniture with all interconnection and proper earthing .All the opening shall be covered with blank plate and be sealed to make the box vermin proof.B48(maximum two points in single circuit in case of UPS and three points in case of raw power) (Single UPS and raw power point is to be provided in each work station except for RM, CM and Manager work station)				
i)	With 3nos 6A socket with single 16A switch.	No.s	80		
ii)	With 2nos 16A socket with individual switch.	No.s	70		
iii)	With 1nos 16A socket with individual switch.	No.s	70		
iv)	Supply and fixing of 4 module pop up box along with 6A switch socket and LAN connector for the conference room table	No.s	6		

Sl.No.	Description	UOM	Qty.	Rate (Rs.) (Exclusive of GST)	Amount (Rs.) (Exclusive of GST)
10	Supply & Fixing of 15Watt 6500K commercial down lights of system efficacy >100lm/W. The light should be recessed mounted slim circular type LED panel with die-cast aluminium housing and smooth powder coated finish with anti glare UV stabilized diffuser and separate energy efficient electronic driver having inbuilt surge protection upto 2.5kV. Make :- Bajaj/Havels/Phillips/Wipro/Crompton or equivalent	Nos	90		
11	Supply and fixing of 2'x2' LED commercial Luminaire of 36 Watt 6500K with system efficacy of 110lm/W. The light should be recessed mounted type and low depth with CRCA powder coated housing, high transmittance diffuser for symmetric light distribution with non-integral energy efficient isolated electronic driver and inbuilt surge protection upto 3kV. Make :- Bajaj/Havels/Phillips/Wipro/Crompton or equivalent	Nos	60		
12	Supply and fixing of LED spot light of 7 Watt 3000K with adjustable focus angle (tilting option). The light should be recessed mounted type and low depth with CRCA powder coated housing, integral energy efficient isolated electronic driver and inbuilt surge protection upto 2kV. (in Conference hall and RM cabin) Make :- Bajaj/Havels/Phillips/Wipro/Crompton or equivalent	Nos	24		
13	Supply and fixing of LED commercial batten Single Tube light fittings with 20W with glare free light distribution wall mounted at ceiling/false ceiling level/. Make :- Bajaj/Havels/Phillips/Wipro/Crompton or equivalent	Nos	40		
14	Supply and installation of Wall Mounted fan 400/450 mm Metallic body and metallic Blade ,1400 rpm Havels FHVV3TFSLB18 or equivalent of crompton/bajaj/usha/orient make	No.s	36		
15	Supply and installation of 5 Star rated Ceiling fan 1200 mm crompton/bajaj/usha/havell's make	No.s	8		
16	Supply and installation of Heavy Duty metallic body & Blades Exhaust Fan 300 mm crompton/bajaj/usha/havell's make	No.s	8		

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17	Wiring for light/fan/exhaust fan points using 3 X 1.5 1.1 kV grade PVC insulated stranded copper conductor FRLSH wire(Finolex/Havell's/RR kabel/KEI/Polycab/ Gloster or equivalent) for phase, neutral and earth in 25 mm dia heavy duty MS conduit along with associated accessories like MS junction boxes, bends, saddles, screws et. concealed in wall, floor, under flooring, below false ceiling or on surface as well as suspended from ceiling with 25mm X 3 mm MS flat suspenders duly painted above false ceiling from individual light/Fan/Exhaust Fan point outlet. etc. to individual modular type switch boards, 10 Amp modular plate type switches etc.(MK/Legrand's/Havell's or equivalent), as required complete including circuit wiring with 3 X 2.5 sqmm. 1.1 kV grade PVC insulated stranded copper conductor wire and as per site requirement and as instructed by Bank Engineer.				
	i) one light/fan controlled by one switch	No.s	280		
	ii) 6A socket & switch at same board	No.s	18		
	iii) Fan Point with electronic modular type regulator.	No.s	8		
18	Marking/stickering/painting of electrical DBs,SFU,and individual circuit in UPS DB,LDB, ACDB of switch board and UPS power etc. and submission of 3 nos. prelaminated as built Single line drawing(SLD) of power distribution system of the Branch/ office	Lot	1		
GST on work contract will be extra as applicable.		Total			