

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

ELECTRICAL INSTALLATION WORK FOR RENOVATION OF KOKRAJHAR BRANCH, ASSAM

Sl.No.	Description	UOM	Qty.	Rate (Rs.) (Exclusive of GST)	Amount (Rs.) (Exclusive of GST)
1	Electric 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 powder coated paint,danger board etc. and comprising of the following:- I) INCOMER: a) 250 amp ,4P ,36KA MCCB with control fuses three LEDs R,Y,B.(APDCL) along with ammeter & Voltmeters of relevant range and selector switch b) 250 amp 4P MCCB, 36 KA with three LEDs with control fuse for R,Y,B indication along with ammeter & Voltmeters of relevant range & selector switch for DG set c) 250 A,4P, On load Changeover front handle rotating type ii) OUTGOING: a) 400 amp tinned copper busbar b) 2 nos. 125A 4P MCCB and 4 nos. 63A 4P MCCB of 36 kA	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 100A 4P MCCB 36kA as incomer-01no., 2 no. 40A 3P contactor for 10 kVAR, 2 no. 32A 3p contactor for 5kVAR, 4 nos. 25A 3P contactor for 2 kVAR and 2 nos. 16A 3P contactor for 1 kVAR with 2 nos. 10 kVAR, 2 nos. 5KVAR, 4 nos. 2KVAR and 2 no. 1KVar capacitor alongwith 6 step APFC relay. The panel should 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 PVC insulated stranded copper FRLSH 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 2nos 4sq.mm and 1 no. 2.5 sqmm (1ECC)	RM	650		
	iii) with 2nos 6sq.mm and 1 no. 2.5 sqmm (1ECC)	RM	160		
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.				

Sl.No.	Description	UOM	Qty.	Rate (Rs.) (Exclusive of GST)	Amount (Rs.) (Exclusive of GST)
i)	Supply and fixing of 8 way SPN DB double door with 63A DP MCB as incomer & 6 nos 32A SP MCB as outgoing.(UPS Outgoing DB)	No.s	1		
ii)	Computer/Raw power DB, 8way SPN double door with 32A (100mA)DP RCCB as incomer & 6 nos 10A SP MCB as outgoing.	No.s	1		
iii)	2 way DB with 16A DP MCB.	No.s	2		
iv)	2 way DB with 32 A DP RCCB, 30mA for AC	No.s	40		
v)	4 way VTPN Double Door Distribution Board with 125A 4 Pole MCCB (36kA) as incomer and 12 Nos. 20-32A C curve type SP MCB's at outgoing	Set	1		
vi)	Light DB 12 way SPN double door with 32A (100mA)DP RCCB as incomer & 6 nos 10A SP MCB as outgoing.	No.s	1		
vii)	Supply and fixing of 63A manual on load Change over front handle type with ss enclosure for UPS Changeover	Nos.	1		
viii)	supply and fixing of MCB of 10-20A in existing VTPN/TPN	Nos.	41		
ix)	Supply and fixing of 32A RCCB of 30mA in existing SPN DB	Nos.	8		
5	Supplying, installing and commissioning of PVC Armored aluminium cable complete with proper cable glands and two nos. of 8SWG GI wire (Havell's/Richa/RR kebel/KEI 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 cable	RM	200		
ii)	With 3.5 core x 70 sq. mm cable	RM	60		
iii)	With 3.5 core x 185 sq. mm cable	RM	120		
6	laying of 185 sqmm al. cable through underground with excavating cable trench at a depth of 3 ft and covering the cable with brick (9 bricks per meter) and refilling the excavated soil	RM	60		
7	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 1.5Mtr,below the ground level with 2nos 10sq.mm PVC insulated stranded copper conductor in 20mm GI pipe, fixed to the plate and providing 40mm,2mtr,long GI pipe with reducer and funnel at top for watering pipe with supplying and laying earth continuity wire of 2x10sq.mm copper stranded PVC green color in heavy duty MS conduit on the wall from earth plate to starting point of the line earth connector. IS 3043,1987 or latest revision must be followed. (Video proof of the earthing should be kept for final billing) Earth pit for UPS will be separate	Set	4		
8	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 branchpremises.	Mtr	60		

Sl.No.	Description	UOM	Qty.	Rate (Rs.) (Exclusive of GST)	Amount (Rs.) (Exclusive of GST)
9	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	120		
10	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(Finolex/Havells/ Polycab/ RR Kabel/ Richa/KEI 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 three points in single circuit)				
	i) With 3nos 6A socket with single 16A switch.	No.s	76		
	ii) With 2nos 16A socket with individual switch.	No.s	40		
	iii) With 1nos 16A socket with individual switch.	No.s	12		
11	Supply & Fixing of 15Watt 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	40		
12	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	30		
13	Supply and fixing of 24 watt LED strip of length 5 meter along with driver	No.	5		
14	Supply and installation of 5 Star rated Ceiling fan 1200 mm crompton/bajaj/usha/havell's make	No.s	6		
15	Supply and installation of Heavy Duty metallic body & Blades Exhaust Fan 300 mm crompton/bajaj/usha/havell's make	No.s	8		
16	Supplying, installation, testing & commissioning of Security light with 25W LED lamps with pressure die cast housing with epoxy coated dark graphite grey colour finish and prismatic polycarbonates cover with individual LED lenses, including necessary GI bracket with clamp. Make :- Bajaj/Havels/Phillips/ Wipro/Crompton or equivalent	Nos.	10		

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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/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.(NW/MK/Legrand's/Havel'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. Wiring has to be done by removing ceiling grid tiles and replacing the same in its position without damaging. The no. of light point must be equal to no. of switeches in Lighting Board				
	i) one light/fan controlled by one switch	No.s	360		
	ii) 6A socket & switch at same board	No.s	18		
	iii) Fan Point with electronic modular type regulator.	No.s	8		
18	Cleaning of HT Substation area, filtering and Refilling of transformer oil upto conservator (100 litre approx) and replacing of breather silica gel by coordinating with APDCL	Lot	1		
19	Removing and reinstallation of existing VTPN/TPN/SPN DBs wherever required	Lot	1		
20	Removing and refixing of existing LED light and Wall fans in the existing ceiling and walls wherever required	Lot	1		
21	Miscellaneous work: Dismantling, removing of old wires, cables, conduits and fixtures, DBs, panel etc. and supplying temporary power connection to the work stations for functioning of branch. Checking of all electrical gadgets including main panel very carefully and necessary maintenance as and where required	Lot	1		
GST on work contract will be extra as applicable.		Total			