

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

**BOQ ELECTRICAL INSTALLATION WORK FOR RENOVATION OF DHUBRI BRANCH, ASSAM**

Sl.No.	Description	UOM	Qty.	Rate (Rs.) (Exclusive of GST)	Amount (Rs.) (Exclusive of GST)
1	APFC Panel:- Supplying, Installing, testing and commissioning of 30 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. with 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, 1 no. 32A 3p contactor for 5kVAR, 2 nos. 25A 3P contactor for 2 kVAR and 1 no. 16A 3P contactor for 1 kVAR with 2 nos. 10 kVAR, 1 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		
2	Sub-main line:- Wiring in MS conduit of IS specification of Proper size with PVC insulated stranded copper FRLSH wire 1.1KV grade 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	960		
ii)	with 2nos 6sq.mm and 1 no. 2.5 sqmm (1ECC)	RM	80		
3	Supply ,installation ,testing and commissioning of distribution board manufactures made sheet steel enclosure With the following MCBs (DB, MCB and MCCB and connecting the same to the system.				
i)	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		
ii)	2 way DB with 16A DP MCB. (Glowsign & Area lights)	No.s	2		
iii)	2 way DB with 32 A DP RCCB, 30mA for AC	No.s	32		
iv)	Light DB 12 way SPN double door with 32A (100mA)DP RCCB as incomer & 6 nos 10A SP MCB as outgoing.	No.s	1		
v)	Supply and fixing of 125A manual on load Change over front handle type with ss enclosure	Nos.	1		
vi)	supply and fixing of MCB of 10-20A in existing VTPN/TPN	Nos.	20		
vii)	Supply and fixing of 32A RCCB of 30mA in existing SPN DB (light & UPS)	Nos.	10		

Sl.No.	Description	UOM	Qty.	Rate (Rs.) (Exclusive of GST)	Amount (Rs.) (Exclusive of GST)
4	Supplying, installing and commissioning of PVC Armored aluminium cable complete with proper cable glands and two nos. of 8SWG GI wire alongwith all the other materials required including proper connection in complete as required from main Panel, Power Distribution Board to various DBs .				
i)	With 3.5 core x 50 sq. mm cable	RM	40		
ii)	With 3.5 core x 70 sq. mm cable (from DG to Changeover)	RM	60		
5	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. <b>(Video proof of the earthing should be kept for final biling) Earth pit for UPS will be separate</b>	Set	4		
6	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	80		
7	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 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 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. <b>(maximum two set of socket points in single circuit)</b>				
i)	With 3nos 6A socket with single 16A switch.	No.s	70		
ii)	With 2nos 16A socket with individual switch.	No.s	40		
iii)	With 1nos 16A socket with individual switch.	No.s	12		
8	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. LED burning hours must be 50000 hrs., LM79 report must be submitted from NABL accredited test Lab. (Make - as in tender make list)	Nos	60		

Sl.No.	Description	UOM	Qty.	Rate (Rs.) (Exclusive of GST)	Amount (Rs.) (Exclusive of GST)
9	Supply and fixing of 2'x2' LED commercial Luminaire of 36 Watt 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. LED burning hours must be 50000 hrs., LM79 report must be submitted from NABL accredited test Lab. (Make - as in tender make list)		80		
10	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. LED burning hours must be 50000 hrs., LM79 report must be submitted from NABL accredited test Lab. (Make - as in tender make list)	Nos	40		
11	Supply and fixing of 24 watt LED strip of length 5 meter along with driver	No.	8		
12	Supply and installation of 5 Star rated BLDC Ceiling fan 1200 mm	No.s	6		
13	Supply and installation of Heavy Duty metallic body & Blades Exhaust Fan 300 mm	No.s	10		
14	Supply and installation of 400/450mm full metal body wall mounted fan	Nos.	24		
15	Supplying, installation, testing & commissioning of Security light with 30W 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.	Nos.	14		
16	Wiring for light/fan/exhaust fan points using 3 X 1.5 1.1 kV grade PVC insulated stranded copper conductor FRLSH wire 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., 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 switches in Lighting Board				
i)	one light/fan controlled by one switch	No.s	145		
ii)	Two light controlled by one switch (for Down lights only)	No.s	60		
iii)	Wall/exhaust fan point with supply of modular type 6A MCB in common switch board	Nos.	46		

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iv)	Fan Point with electronic modular type regulator.	No.s	8		
v)	6A socket & switch at same board	Nos.	12		
17	Cleaning of HT Substation area, filtering and Refilling of transformer oil upto conservator and replacing of breather silica gel by coordinating with APDCL	lumpsum	1		
18	Removing, servicing and reinstallation of existing VTPN/TPN/SPN DBs wherever required	lumpsum	1		
19	Removing of existing LED lights, cleaing and servicing the same and refixing in the ceiling	Nos.	60		
20	Removing of existing Wall fans, cleaing and servicing the same and refixing in the walls	Nos.	20		
21	Marking of all panels, distribtion boards and switch boards and preperation of as built Electrical SLD of the Branch	lumpsum	1		
22	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 and servicing of all electrical gadgets including main panel very carefully and necessary maintenance like dressing of wires and cables as and where required	lumpsum	1		
<b>GST on work contract will be extra as applicable.</b>		<b>Total</b>			