

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

**REGIONAL BUSINESS OFFICE, BARPETA, GUWAHATI MODULE
BOQ for Electrical Installation Works for new premises of RBO Barpeta**

| 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 with control fuses three LEDs R,Y,B.(APDCL) along with ammeter & Voltmeters of relevant range and selector switch, b) 160A onload changeover, c) 160A 4P ,36KA MCCB with control fuses three LEDs R,Y,B.(DG set) ii) OUTGOING: a) 300 amp tinned copper double busbar system i) 3 nos. 63A 4P MCCB of 36 kA on main bus ii) 3 nos. 63A 4P MCCB of 36 kA on DG bus | Set | 1 | | |
| 2 | APFC Panel:- Supplying, Installing, testing and commissioning of 30 kVAR APFC panel floor/wall mounted front operated totally 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 63A TPN MCB C-type as incomer-01no., 1 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 1 no. 10 KVAR, 3 nos. 5KVAR, 2 nos. 2KVAR and 1 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 | | |

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| 3 | Sub-main line:- Wiring in MS conduit of IS specification of Proper size with core PVC insulated stranded copper FRLSH wire 11KV 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:- | | | | |
| ii) | with 2nos 4sq.mm and 1 no. 2.5 sqmm (1ECC) | RM | 400 | | |
| iii) | with 2nos 6sq.mm and 1 no. 2.5 sqmm (1ECC) | RM | 250 | | |
| | | | | | |
| 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, 12 way SPN double door with 40A (100mA)DP RCCB as incomer & 10 nos 10A SP MCB as outgoing. | No.s | 3 | | |
| ii) | 4way DB with 40A 4P MCB (UPS I/P) | No.s | 2 | | |
| iii) | 2 way DB with 63A 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 | 18 | | |
| vi) | 4way VTPN Double Door Distribution Board with 63A 4 Pole MCCB (36kA) as incomer and 12 Nos. 25-32 A C- curve type SP MCB's at outgoing (ACDB both floor) | 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. 20-32A SP MCB at outgoing. All MCB should be C curve type (LPDB ground floor) | Set | 1 | | |
| viii) | 4way VTPN Double Door Distribution Board with 63A 4 Pole MCCB (36kA) as incomer and 12 Nos. 6-32A C curve type SP MCB's. All MCB should be C curve type (first floor) | Set | 1 | | |
| ix) | Light /RAW power DB 12 way SPN double door with 32A (100mA)DP RCCB as incomer & 10 nos 10A SP MCB as outgoing. | Nos. | 3 | | |
| x) | UPS OUTGOING DB: 12 way SPN double door with 63A DP MCB as incomer & 10 nos 32A SP MCB as outgoing. | Nos. | 1 | | |
| | | | | | |
| 5 | Supplying, installing and commissioning of PVC Armored Al cable complete with proper cable glands and two nos. of 8SWG GI wire (Havell's/Finolex/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 . | | | | |

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| i) | With 4 core x 35 sq. mm cable | RM | 200 | | |
| ii) | With 3.5 core x 70 sq. mm cable | RM | 80 | | |
| 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 1no. 25x3 mm copper conductor in 40mm GI pipe, fixed to the plate and providing 40mm,3.2 mtr,long GI pipe with reducer and funnel at top for watering pipe. | 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 including supply of 2 nos. tinned copper earth Busbar of 300x25x5 mm size on insulators. | 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 | 120 | | |
| 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(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 two points in single circuit) all tables except AGM, CM and Manager will have single UPS and Raw power Points | | | | |

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| i) | With 3nos 6A socket with single 16A switch. | No.s | 60 | | |
| ii) | With 2nos 16A socket with individual switch. | No.s | 50 | | |
| iii) | With 1nos 16A socket with individual switch. | No.s | 10 | | |
| | | | | | |
| 10 | Supply and fixing of 4 module pop up box along with 6A switch, socket and HDMI/LAN connector | Nos. | 9 | | |
| | | | | | |
| 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/Jaquar or equivalent | Nos | 100 | | |
| | | | | | |
| 12 | 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. Make :- Bajaj/Havels/Phillips/Wipro/Crompton/Jaquar or equivalent | Nos | 60 | | |
| | | | | | |
| 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/Jaquar or equivalent | Nos | 30 | | |
| | | | | | |
| 14 | Supply and installation of Wall Mounted fan 400/450 mm Metallic body and metallic Blade ,1400 rpm Havels FHWV3TFSLB18 or equivalent of crompton/bajaj/usha/orient make | No.s | 32 | | |
| | | | | | |
| 15 | Supply and Fixing of COB lights having swivel operation (adjustable angle position) and of minimum 6W, 3000K having lumen efficacy 100Lm/W with integrated heat sink. The body material should be powder coated die cast aluminium. | Nos. | 24 | | |
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| 16 | Supply and fixing of LED Flexible strip light in 5 mtr length with 24W non integral enegy efficient driver having inbuilt surge protection upto 4.0kV. | Nos. | 5 | | |
| 17 | Supply and installation of 5 Star rated BLDC Ceiling fan 1200 mm crompton/bajaj/usha/havell's make | No.s | 8 | | |
| 18 | Supply and installation of Heavy Duty metallic body & Blades Exhaust Fan 300 mm crompton/bajaj/usha/havell's make | No.s | 6 | | |
| 19 | Wiring for light/fan/exhaust fan points using 3 X 1.5 1.1 kV grade PVC insulated stranded copper wire FRLSH grade (Finolex/Havell's/RR kabel/KEI 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 | 140 | | |
| ii) | Two light controlled by one switch (only for LED down lights) | Nos. | 50 | | |
| iii) | 6A socket & switch at same board | No.s | 14 | | |
| iv) | Fan Point with electronic modular type regulator. | No.s | 8 | | |
| v) | Light points on UPS Power for emergency | No.s | 12 | | |
| 20 | 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 | Ls | 1 | | |
| GST on work contract will be extra as applicable. | | Total | | | |