

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

DISPUR BRANCH

BOQ of Electrical Installation Works related to Shifting of UPS Room and canteen of Dispur Branch at 2nd Floor of the building

Sl.No.	Description	UOM	Qty.	Rate (Rs.) (Excl. GST)	Amount (Rs.) (Excl. GST)
1	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 along with ammeter & Voltmeters of relevant range and selector switch, ii) OUTGOING: a) 300 amp tinned copper double busbar system i) 6 nos. 63A 4P MCCB of 36 kA and having separate earth bus in the panel	Set	1		
2	Sub-main line:- Wiring in MS conduit of IS specification of Proper size with core PVC insulated stranded copper wire 11KV grade (Make as in tender make list) 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 4 sq.mm and 1 no. 2.5 sqmm (1ECC) for AC	RM	120		
ii)	with 2nos 6 sq.mm and 1 no. 2.5 sqmm (1ECC) For DB IP	RM	60		
iii)	with 4nos 10 sq.mm and 1 no. 6.0 sqmm (1ECC) for UPS IP/OP	RM	50		
3	Supply ,installation ,testing and commissioning of distribution board manufactures made sheet steel enclosure With the following MCBs (DB, MCB and MCCB Make - as per the tender make list) and connecting the same to the system.				
i)	63A 4P 36KA MCCB (UPS IN/OUT)	No.s	4		
ii)	250A 4P 36KA MCCB (Near panel)	No.s	1		
iii)	2 way DB with 32 A DP RCCB, 30mA for AC	No.s	4		
iv)	4way VTPN Double Door Distribution Board with 63A 4 Pole MCCB (36kA) as incomer and 12 Nos. 10-25A C curve type SP MCB's at outgoing (LPDB)	Set	1		

Sl.No.	Description	UOM	Qty.	Rate (Rs.) (Excl. GST)	Amount (Rs.) (Excl. GST)
v)	Light/Raw power DB 12 way SPN double door with 32A (30mA)DP RCCB as incomer & 10 nos 10A SP MCB as outgoing.	No.s	2		
vi)	Changeover: Supply and fixing of 63A front handle operation onload change over switch for UPS	Nos.	1		
4	Supplying, laying(in trench and wall) and commissioning of PVC Armored 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 4 core x 35 sq. mm cable	RM	120		
ii)	With 3.5 core x 95 sq. mm cable	RM	80		
5	Supply of advance maintenance free Chemical Gel Earthing of Dual Pipe Technology (GI) of 3mtr long 50mm dia of outer shell (MS) with the 25mm dia of inner shell (MS) of 80-100 microns galvanized JK CHEMRODE filled with highly conducting metallic compounds with the permanent sealings at both the ends with the lead terminal of 32x10mm size made at the top along with 50 Kgs of JK RESLOW (mixture of Sulphate, Silica, Alumina, Iron Oxide, Titanium Oxide, Calcium Oxide, Potassium Oxide, Chloride, Nickel Oxide, Magnesium Oxide, Sodium Oxide, Zinc Oxide, etc) Resistance Lowering Grounding Minerals. The loss on ignition by mass of the chemical compound JK RESLOW shall be less than 20%. The chemical compound should be tested and certified by any International accredited and BIS (Bureau of Indian Standards) accredited laboratory. The testing laboratory should be ISO 9001 & ISO 14001 certified. The JK CHEMRODE shall be duly tested & certified by CPRI (Central Power Research Institute), Govt of India for a minimum short circuit current of 30 KA rms. The chemical earth electrode manufacturer shall be an ISO 9001:2015 & ISO 14001:2004 certified organization. Certificate of earth resistance value is to be submitted by the by the vendor in accordance with the manufacturer. (Video proof of the earthing should be kept for final biling) Earth pit for UPS will be separate	Set	2		
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		

Sl.No.	Description	UOM	Qty.	Rate (Rs.) (Excl. GST)	Amount (Rs.) (Excl. GST)
7	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(Make - as in tender make list) 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 (Make - as in tender make list) 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 sets of sockets UPS/RAW power in single circuit)				
i)	With 1nos 16A socket with single 16A switch.	No.s	8		
ii)	With 2nos 6/16A socket with individual switch.	No.s	4		
8	APFC Panel:- Supplying, Installing, testing and commissioning of 30 kVAr APFC panel floor/wall mounted front operated toatlly 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., 5 no. 32A 3p contactor for 5kVAR, 2 nos. 25A 3P contactor for 2 kVAR and 16A 3P contactor for 1 kVAR with 5 nos. 5KVAR, 2 nos. 2KVAR and 1 no. 1KVar capacitor alongwith 6 step APFC relay connectede through CT od appropriate rating. The panel shoulf have On/OFF push button for each capacitor with respective ON/OFF indication LED lamp. APFC Panel should not ne clubbed with main Panel	Set	1		
9	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	50		

Sl.No.	Description	UOM	Qty.	Rate (Rs.) (Excl. GST)	Amount (Rs.) (Excl. GST)
10	Supply and installation of 5 Star rated BLDC Ceiling fan 1200 mm with supply and fixing of heavy duty metal D hook dual fasteners clamp (Make - as in tender make list) (in record room)	No.s	12		
11	Supply and installation of Heavy Duty metallic body & Blades Exhaust Fan 300 mm (Make - as in tender make list) (in toilet and UPS room) including making suitable size hole in the wall.	No.s	3		
12	Wiring for light/fan/exhaust fan points using 3 X 1.5 1.1 kV grade PVC insulated stranded copper conductor wire(Make - as in tender make list) 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.(Make - as in tender make list), 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	50		
iii)	Wall fan and exhaust fan point with supply of 6A modular MCB in common switch board	Nos.	3		
iv)	6A socket & switch at same board	No.s	6		
v)	Fan Point with electronic modular type regulator.	No.s	12		
13	Miscellaneous work: Dismantling, removing of old wires, cables (from trench), 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. Removing and reinstallation of existing VTPN/TPN/SPN DBs whichever in good and working condition.	lumpsum	1		
GST on work contract will be extra as applicable.		Total			