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

GORESWAR BRANCH, RBO-IV GUWAHATI RURAL
BOQ of Electrical Installation Works for renovation of Branch

Sl.No.	Description	UOM	Qty.	Rate (Rs.) (Excl. GST	Amount (Rs.) (Excl. GST
1	Main Panel :- Supplying, Installing, testing and commissioning of fabricated floor mounted cubicle type distriction Panel Board suitable for 415 V comprising of suitable copper bus bars,160A 4P 36 kA MCCB with as incoming and 3 Nos. of 63A 4P 25 kA MCCB at outgoing in compartmentalized chamber fully isolated with 2 mm thick steel sheet and 3 mm steel channel painted with 2 coats of red oxide primer paint followed by finishing with Seimens grey paint and interconnection with suitable size Cu wires/cables etc. as required. Panel should be manufactures by CPRI approved vendors only. (MCCB Make - as in tender make list)	Set	1		
2	APFC Panel:- Supplying, Installing, testing and commissioning of 10 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., 1 nos. 32A 3P contactor for 5 kVAR, 2 nos. 20A 3P contactor for 2 kVAR and 1 nos. 16A 3P contactor for 1 kVAR with 1 no. 5kVar capacitor, 2 nos. 2KVAr and 1 no. 1KVar capacitor alongwith 5 step APFC relay. The panel should have On/OFF push button for each capacitor with respective ON/OFF indication LED lamp (Make - as in tender make list)	Set	1		
3	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 4sq.mm and 1 no. 2.5 sqmm(1ECC)	RM	210		
ii)	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 - as per the tender make list) and connecting the same to the system.				
i)	Computer DB, 8way SPN double door with 32A (30mA)DP RCCB as incomer & 6 nos 10-20A SP MCB as outgoing.	No.s	2		
ii)	2way DB with 63A DP MCB (UPS IN)	No.s	2		
iii)	2 way DB with 63A DP MCB. (UPS OUT)	No.s	2		
iv)	2 way DB with 32A DP MCB. (GLOW SIGN)	No.s	2		
v)	2 way DB with 32 A DP RCCB, 30mA for AC (AC POINTS)	No.s	8		
vi)	4way VTPN Double Door Distribution Board with 63A 4 Pole MCCB (36kA) as incomer and 12 Nos. 16-25A C curve type SP MCB at outgoing (ACDB)	Set	1		
vii)	4way VTPN Double Door Distribution Board with 63A 4 Pole MCCB (36kA) as incomer and 12 nos. of 10-40 A SP MCB at outgoing. All MCB should be C curve type (LPDB in UPS Room)	Set	1		

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viii)	Light/Raw power DB 12 way SPN double door with 32A (100mA)DP RCCB as incomer & 10 nos 10A SP MCB as outgoing.	No.s	3		
ix)	Changeover: Supply and fixing of 3-phase, 63A front handle operation onload change over switch for DG and mains	Nos.	1		
x)	40A Two pole manual changeover MCB type for UPS system in 4 model MCB box with 02 no. 32A MCB in Outgoing for UPS DB	Nos.	1		
5	Supplying, installing and commissioning of PVC Armored 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 25 sq. mm cable	RM	90		
ii)	With 4 core x 35 sq. mm cable	RM	40		
6	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 permenant 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	4		
7	Supplying and fixing 2X8 SWG dia bare copper earth wire in PVC conduit on surface or in recess for loop earthing from panel to DB	Mtr	100		
8	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(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 3nos 6A socket with single 16A switch.	No.s	24		
ii)	With 2nos 16A socket with individual switch.	No.s	12		
iii)	With 1nos 16A socket with individual switch.	No.s	6		

Sl.No.	Description	UOM	Qty.	Rate (Rs.) (Excl. GST	Amount (Rs.) (Excl. GST
9	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	40		
10	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 poweder coated housing, high transmittance diffuser for sysmmetric light distribution with non-integral enegy 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)	Nos	30		
11	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	14		
12	Supplying, installation, testing & commissioning of Security ligh 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.	Nos.	6		
13	Supply and installation of Wall Mounted fan 450 mm Metallic body and metallic Blade fan,1400 rpm **Almonard MARK-II, Crompton Sstorm 2 Plus** or of equivalent brand as per makelist	No.s	8		
14	Supply and installation of 5 Star rated **BLDC** Ceiling fan 1200 mm (Make - as in tender make list) (in record room)	No.s	4		
15	Supply and installation of Heavy Duty **metallic body & Blades** Exhaust Fan 300 mm (Make - as in tender make list) (in toilet, kitchen and UPS room (2 nos.)) including making suitable size hole in the wall.	No.s	5		
16	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		
ii)	Two lights controlled by one switch (for downlights only)	No.s	20		
iii)	Wall fan and exhaust fan point with supply of 6A modular MCB in common switch board and 6A modular socket near wall fan	Nos.	13		
iv)	6A socket & switch at same board	No.s	6		
v)	Fan Point with electronic modular type regulator.	No.s	4		
GST on work contract will be extra as applicable.		**Total Amount (Excl. GST)**			