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BILL OF QUANTITY FOR ELECTRICAL WORKS

UCO BANK BABUGANJ BRANCH & A.T.M


ZONAL OFFICE LUCKNOW

S.NO.	DESCRIPTION OF ITEM	QTY	UNIT	RATE	AMOUNT
1b	SITC of 100Amp Kit kat Fuse unit 3 nos with 100 Amp neutral link on wooden board (3' x 3') complete with connections (new).	1.00	Set		
2	ELECTRICAL PANEL OR VTPN Db				
	ELECTRICAL VTPN DB				
2 b	SITC of 6way Vertical TPN DB complete with 100Amp 4P MCCB as Incomer,63A TP 10kA MCB - 4Nos and 6-16Amp S.Pole 10kA MCB-3 Nos as outing complete in all respects as required. The job shall be completed, to the satisfaction of the Bank Engineer/Architect.	1.00	No.		
	L&F Branch, AC+ PP Branch+ ATM + UPS Branch				
2c	Change over outside Panel - S/F of 100A TPN changeover in SS enclosure	1.00	Nos.		
3	UPS I/P, O/P AND DISTRIBUTION				
a.	SITC of 40/ 32 AMP industrial socket along with DPMCB for UPS + ATM I/P	3.00	Nos.		
b.	SITC of 32A / 20AMP industrial socket along with MCB for UPS + ATM O/P	3.00	Nos.		
c.	SITC of 12 WAY SPN DB Double Door (1 No. 40 AMP DP MCB and 10 NOS. 6-10 AMP SPMCB) (Branch UPS Power Distribution for UPS Points at Manager Cabin (2nos.), Router (2nos.) and Staff counters (3nos.). Two adjacent computer nodes can be controlled thru one MCB	1.00	Nos.		
d.	SITC of 12 WAY SPN DB Double Door (1 No. 40 AMP DP MCB and 10 NOS. 6-10 AMP SPMCB) (Branch UPS Power Distribution for UPS Points at Manager Cabin (2nos.), ATM (1No.) and Staff counters (6nos.).	3.00	Nos.		
c1	SITC of 4 WAY SPN DB Double Door (1 No. 32 AMP DP MCB and 2 NOS. 16-10 AMP SPMCB) (For ATM)	1.00	Nos.		

d.	SITC of 63Amp Rotary Phase selector switch complete with RYB indication light in incloser complete in all respects as required. (Branch UPS)	2.00	Nos.		
4	RAW POWER & FAN, LIGHTING DB & AC DISTRIBUTION BOARD				
a.	4 WAY TPN DB Double Door (1 No. 20 AMP TP MCB and 12 Nos. 6-10 AMP. SPMCB in each outgoing circuit for Light, Fan & 6A Socket) all complete.	1.00	Nos.		
b.	4 WAY TPN DB Double Door (1 No. 40AMP TP MCB and 12 Nos. 20 AMP. SPMCB in each outgoing circuit for 5 Nos. ACs & Balance 15A Power Points.	1.00	Nos.		
	(2 adjacent PP in BM & router may be interlooped, if needed.)				
c	For ATM - 4 WAY TPN DB Double Door (1 No. 20 AMP TP MCB and 2nos. 25A 2P MCB for AC & 2 Nos. 6-10 AMP. SPMCB in each outgoing circuit for Light, Fan & 6A Socket) all complete.	1.00	Nos.		
5	CABLES				
a.	SITC of 3.5 Core 25.0 Sq.mm Aluminium Armoured Cable (From Electric Meter to Electric Panel) , complete with end termination and all respect as required.		Mtr.		
a1	SITC of 4 Core 16 Sq.mm Aluminium Armoured Cable (From Electric Meter to Electric Panel) , complete with end termination and all respect as required.	20.00	Mtr.		
b.	SITC of 4 x 6.0 Sq.mm Copper Wire + 1 x 4.0 Sqmm Copper Earth Wire (Panel to UPS Incomer, LDP and atm) in PVC Pipe fixing on walls or chassing the walls and making it good with cement mortar of 1:5 ratio and painting compete with end termination/lugs and in all respect as required.	50.00	Mtr.		
c.	SITC of 4 x 10.00 Copper Wire + 1 x 4.0 Sqmm Copper Earth Wire (Kit Kat fuse unit & from panel to AC / POWER DB) in PVC Pipe fixing on walls or chassing the walls and making it good with cement mortar of 1:5 ratio and painting compete with end termination/lugs and in all respect as required.	28.00	Mtr.		
d.	SITC of 2 x 6.0 Sq.mm Copper Wire + 1 x 2.5 Sqmm Copper Earth Wire (Rotary Switch to UPS and UPS to UPS DB) in PVC Pipe fixing on walls or chassing the walls and making it good with cement mortar of 1:5 ratio and painting compete with end termination/lugs and in all respect as required.	35.00	Mtr.		
e.	SITC of 2 x 2.5 Sq.mm Copper Wire + 1 x 2.5 Sqmm Copper Earth Wire (Electric Panel Glow Sign Board) in PVC Pipe fixing on walls or chassing the walls and making it good with cement mortar of 1:5 ratio and painting compete with end termination/lugs and in all respect as required. (1 for ATM & 1for Branch)	20.00	Mtr.		
6	AC POINT				

a.	Point Wiring with 2 No. 4.0 Sq.mm and 1 No. 2.5 Sq.mm Multistrand Copper Wire & 20/25 Amp. Metallic plug & Socket DB complete in all respect as required by the Bank (for 1.0 & 1.5 Tr Split AC)	6.00	Nos.		
7	EARTHING				
a.	PIP technology GEL type 50mm dia 3000mm long earth electrode. One Earthing for Neutral grounding, One earthing for Panel body grounding, One earthing for UPS body grounding, One for UPS output one for ATM body	4.00	Nos.		
b.	12 SWG Bare Copper Earth Wire from earthing pit /Earth terminal to load point (UPS DB and Main DB etc)	50.00	Mtr.		
8	UPS POINT				
a	Supply & Installation of point wiring for Primary UPS or stabilized power plug points on workstations / table for computers using 3 x 1.5 Sq.mm copper conductor multi stranded FR PVC sheathed flexible wire pulled through floor raceways/conduit and taken upto table top using PVC rigid or flexible conduits run within wooden/metal partitions. Each point consisting of 2 nos of 10A 3 pin sockets, 1 nos 16A 2/3 pin sockets, 1 nos 16A Switch (Modular) & 1 nos indicator, wired together forming one point. The earth wire of green color only. No secondary UPS Points to be made.	9.00	Nos.		
9	RAW POWER POINT 16A SOCKET POINT IN WALL ONLY				
a.	Supply & Installation of point wiring for Primary Raw power plug points on walls only for computers using 2X4+1X2.5 Sq.mm copper conductor PVC sheathed flexible wire pulled through already laid floor raceways and taken upto table top using PVC rigid or flexible conduits run within wooden/metal partitions. Each point consisting of 2 nos of 16A 2/3/5 pin socket & 2 nos 16A Switch (Modular), wired together forming one point. The earth wire of green color only. No secondary Points to be made.	9.00	Nos.		
10	LIGHT/FAN POINT				
	Supply & Installation of concealed point wiring using 600v grade 1.5 Sq.mm copper conductor PVC insulated wires (with proper R,Y,B color code) pulled through heavy gauge PVC conduits laid concealed over false ceiling including 2 Nos. 2.5 sqmm circuit wires from the relevant DB and also including 2.5 sqmm green color copper earth wire and switch plate, switches, etc. as approved by the Bank's Engineer/Architect.				
a.	Primary light points including the cost of 10 A modular switch	41.00	Nos.		

b.	Ceiling Fan Point including the cost of 10A modular Switch along with 4/5 step electronic fan regulator.	2.00	Nos.		
c.	Wall Fan Point along with 10 AMP modular switch	6.00	Nos.		
d.	Exhaust Fan Point along with 10 AMP modular switch	2.00	Nos.		
e.	6/10A Switch with 5pin 10A socket in counter, light & fan board	8.00	Nos.		
11	DATA CABLING & POINT THERE MUST BE MINIMUM 3FEET DISTANCE BETWEEN DATA AND				
	Supplying and laying of D-Link make CAT-6 (UTP) cable through trenches / conduits.				
a.	Supplying and laying D-link make CAT-6 Cable complete with CAT-6 information outlet with plate & surface Box at individual Tables	9.00	Nos.		
b.	Supplying and fixing of 2 mtr long crimped patch cord	9.00	Nos.		
c.	Supplying and fixing of 1 Mtr long crimped patch cord	9.00	No.		
d.	Dismantling & re-installation of rack, patch panel & switch etc. as required including wire manager, power supply card, hardwares etc. complete in all respects	1.00	Job		
12	VOICE NETWORKING				
a.	Supply and fixing of 10 pair telephone MDF consisting of tag blocks, disconnecter type, complete with powder coated metal enclose, krone tag block mounting arrangement telephone distribution chart and locking arrangement [for P&T/EPABX]	1.00	Job		
b.	Supplying and laying telephone cables 0.5mm dia 2 pair electrolytic tinned copper conductors PVC insulated and twisted pair with rip cord, through PVC conduits/Raceways and RJ11 telephone socket outlet. The rate shall include termination at both ends on tag blocks.				
(i)	2 Nos. RJ11 Telephone socket with plate and box (1-Manager Cabin, 1- Advances, 1-Audit Officer, 1-Cash Officer)	3.00	No.		
13	FIXTURES				
	SITC of following fixtures as per make list				
a.	LED Square Light (2' x 2') fitting (white) - 36 Watts Philips LED Recessed Panel Light Square 36W (RC370B LED30S-6500)	10.00	Nos.		
b.	LED Down Lighter (white) - 9 Watts Philips Aura Style Edge 10w Led Downlighter, (Round Recessed Thin Trim, 47mm)	9.00	Nos.		
c.	LED Tube Light Patti Type (white) - 18 Watts Make/ Brand as per MAKE LIST	8.00	Nos.		
c1	As above but 10w 2' long	1.00	Nos.		
d.	Ceiling Fan - 900mm Make/ Brand as per MAKE LIST	2.00	Nos.		

e.	Wall Mounted 80/100 watt metal body Fan - 450mm, 1300 to 1500RPM Make/ Brand as per MAKE LIST	6.00	Nos.		
f.	Exhaust Fan Metal Body - 300mm Make/ Brand as per MAKE LIST	2.00	Nos.		
g.	Call Bell Wireless	1.00	No.		
h.	LED Bulb with holder (white) - 9 Watts	3.00	Nos.		
i.	To provide four separate indicator bulb which are installed on panels and should be visible to CCTV at all times with the following arrangement: Indicator 1: UPS supply for other gadgets like PCs, printers, lights, etc should be routed through this bulb. Indicator 2: input to Lighting DB should be routed through this bulb.Indicator 3: Input to power DB should be routed through this bulb for more clarity Single line diagram has been attached	1.00	Job		
	TOTAL (excl. GST) (Rs.)				
<div style="text-align: right;">  </div>					
Ar. Gunjan Kapur					
for M/s Gunjan and Associates					