

Gunjan and Associates
Architects, Engineers, Interiors
& Landscape Designers

141, Sainik Nagar, Raebareilly Road, Lucknow-226002

Phone: 0522-3553324, 9839018489, 9838818489

E-mail:studio@gunjanandassociates.com

URL:www.gunjanandassociates.com

BILL OF QUANTITY FOR ELECTRICAL WORKS

UCO BANK AMBEDKAR NAGAR BRANCH & A.T.M

REGIONAL OFFICE AYODHYA

| S.No. | Particulars | Unit | Qty. | Rate | Amount |
|-------|---|-------|------|------|--------|
| | The work shall also include for cutting chase for conduits and moulded boxes, if required, in the wall/ floor (Without damaging the building/wall) along with clamping the conduit at every 750mm interval & finally finishing the surface & matching the same with the existing surface. Item 1,3, 4 & 5 | | | | |
| | The rate should include the cost of all materials, modular switch complete with MS box & cover plate, labour, T&P, taxes & levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc | | | | |
| 1 | L&F Point Wiring, Circuit wiring & Power Point wiring | | | | |
| | L & F Points | | | | |
| 1 | Primary Point Wiring for light points controlled thru modular switches complete with boxes & cover plate - The point wiring shall be carried with 3*1.5sq.mm FRLSH stranded Cu. Wires in 20mm PVC conduit pipe concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement.The rates shall include cost of circuit wiring with 3*1.5sq.mm FRLSH Cu stranded wires in 20mm OD PVC Pipe from nearest TPN Db to controloing SDb. The job shall be complete & to the entire satisfaction of the Bank. Each Switch board should be provided with suitable capacity fuses/ fuse indicator | Point | 34 | | |
| | | | | | |
| 2 | Secondray Light Point | | | | |
| | Same as above but looped from PP with 3*1.5sq.mm FRLSH stranded Cu. Wires in 20mm PVC conduit pipe concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement. The job shall be complete & to the entire satisfaction of the Bank. | Point | 14 | | |
| | | | | | |
| 3 | 6 A switch socket points on Sdb: S/F of 6A switch points with an additional indicator and 6Amp. modular Type switch & socket. It shall have 3*1.5sq.mm FRLSH stranded Cu. Wire as per requirement. The job shall be complete & to the entire satisfaction of the Bank. | Point | 12 | | |
| | | | | | |

| | | | | | |
|-----|--|-------|---|--|--|
| 4 | Point Wiring for wall fan points controlled thru modular switches complete with boxes & cover plate - The point wiring shall be carried with 3*1.5sq.mm FRLSH stranded Cu. Wires in 20mm PVC conduit pipe concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement. The job shall also included S/F of 6A switch socket near wall fan for regulating the same. The job shall include cost of circuit wiring with 3*1.5sq.mm FRLSH Cu stranded wires in 20mm OD PVC Pipe from nearest TPN Db to controloing SDb. The job shall be complete & to the entire satisfaction of the Bank. Each Switch board should be provided with suitable capacity fuses/ fuse indicator | Each | 8 | | |
| | | | | | |
| 5 | Point Wiring for Ceiling fan points controlled thru modular switches complete with boxes & cover plate - The point wiring shall be carried with 3*1.5sq.mm FRLSH stranded Cu. Wires in 20mm PVC conduit pipe concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement. The job shall also include S/F of modular electronic regulator in SDb for regulating the same. The job shall include cost of circuit wiring with 3*1.5sq.mm FRLSH Cu stranded wires in 20mm OD PVC Pipe from nearest TPN Db to controloing SDb. The job shall be complete & to the entire satisfaction of the Bank. Each Switch board should be provided with suitable capacity fuses/ fuse indicator | Each | 4 | | |
| | | | | | |
| 6 | Point Wiring for exhaust fan points controlled thru modular switches complete with boxes & cover plate - The point wiring shall be carried with 3*1.5sq.mm FRLSH stranded Cu. Wires in 20mm PVC conduit pipe concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement. The job shall also included S/F of 6A switch socket near wall fan for regulating the same. The job shall include cost of circuit wiring with 3*1.5sq.mm FRLSH Cu stranded wires in 20mm OD PVC Pipe from nearest TPN Db to controloing SDb. The job shall be complete & to the entire satisfaction of the Bank. Each Switch board should be provided with suitable capacity fuses/ fuse indicator | Each | 3 | | |
| LOM | PVC Insulated FRLSH Copper wire (ISI Marked)- Skyline/ Finolex/ Havells/ Polycab | | | | |
| | PVC Conduit- CAP/ BEC/ Sieko/ AKG | | | | |
| | Modular Switch/ Sockets - ABB/ Legrand/ MK/ Anchor/ Elleys/ Roma | | | | |
| | | | | | |
| | <u>Power Point Wiring</u> | | | | |
| 1 | Primary Power Point: Raw power points on workstations / table / Printer etc using 3*4 Sq.mm FRLSH Cu. stranded wire laid in 20mm OD PVC pipe medium conduit pipe laid & concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement. Each power point shall also consists of 1 nos of 16A, 2/3/5 pin sockets & 1 No., 16A Switch , wired together forming one point. The earth wire of green color only. | Point | 9 | | |
| | | | | | |

| | | | | | |
|-----|--|-------|----|--|--|
| 2 | Secondary Power Point: Raw power points on workstations / table / Printer etc using 3*2.5 Sq.mm FRLSH Cu. stranded wire laid in 20mm OD PVC pipe medium conduit pipe laid & concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement. Each power point shall also consists of 1 nos of 16A , 2/3/5 pin sockets & 1 No., 16A Switch, wired together forming one point. The earth wire of green color only. Secondary P to b einterlooped with Primary PP. Maximum length 6m. | Point | 2 | | |
| | Total 2nos. - 1 for BM + 1 for 2 officers besiudes cash cabin | | | | |
| LOM | PVC Insulated FRLSH Copper wire (ISI Marked)- Skyline/ Finolex/ Havells/ Polycab | | | | |
| | PVC Conduit- CAP/ BEC/ Sieko/ AKG | | | | |
| | Modular Switch/ Sockets - ABB/ Legrand/ MK/ Anchor/ Elleys/ Roma | | | | |
| | | | | | |
| 2 | <u>Air - Conditioning</u> | | | | |
| 1 | AC Point: Providing AC points with circuit wiring with 3*4sq.mm FRLSH Cu stranded wires to be laid in 20mm PVC medium concealed in wall/ floor/ panelling/ partitions as per requirement. The work shall include S/F of MCB protected power unit for AC c/w 32A 2P MCB including proper connections. The job shall be complete & to the entire satisfaction of the Bank. | Point | 5 | | |
| | PVC Insulated FRLSH Copper wire (ISI Marked)- Skyline/ Finolex/ Havells/ Polycab | | | | |
| | PVC Conduit- CAP/ BEC/ Sieko/ AKG | | | | |
| | MCB Protected Power unit c/w10kA MCB "C"- Havells/ L&T/ Siemens/ Schnider | | | | |
| | | | | | |
| 3 | Wiring with 3*4.0sq.mm FRLSH stranded Cu. wires laid in 20mm OD PVC/ flexible pipe heavy duty laid on floor & concealed in wall/ floor as per requirement <u>to various voltage stabilizers</u> . The job includes making connections at both ends with proper size of lugs to the entire satisfaction of the Bank. | m | 15 | | |
| | PVC Insulated FRLSH Copper wire (ISI Marked)- Skyline/ Finolex/ Havells/ Polycab | | | | |
| | PVC Conduit- CAP/ BEC/ Sieko/ AKG | | | | |
| | | | | | |
| | <u>UPS</u> | | | | |
| 1 | <u>UPS supply regulating Changeover:</u> S/F of 63A 4P changeover in Steel sheet enclosure (SS) near panel for regulating UPS supply including proper connections. The supply shall be tapped from TPN Changeover for branch outside panel. | Each | 1 | | |
| | <u>When branch is closed this change over shall always remain in "ON" position. It will enable supply to UPS even when branch is closed in evening.</u> | | | | |
| | Changeover Switch- C&S/ Havells/ L&T/ HPL | | | | |
| | | | | | |
| 3 | Incoming supply to UPS room: S/laying of 4 core 6sq.mm XLPE insulated Armoured Copper conductor cable from main Panel to 4way TPN Db in the UPS room to be laid in medium duty 20mm PVC conduit/ pipe & run on surface or concealed in wall/ floor/ flase ceiling including connections at both ends with lugs. | m | 18 | | |

| | | | | | |
|----|---|------|----|--|--|
| | Cables Armoured/ Unarmoured - Finolex/ Polycab/ Havells/ RR Kabel/ KEI | | | | |
| | | | | | |
| 4b | S/ F of 4way SPN Db metallic c/w 32A 4P MCB including all connections complete in all respects to the entire satisfaction of the Architect/ bank. | Each | 1 | | |
| | Db body should be earthed. | | | | |
| | | | | | |
| 4c | S/ F of 2way SPN Db metallic c/w 32A 2P MCB including all connections complete in all respects to the entire satisfaction of the Architect/ bank. | Each | 2 | | |
| | Distribution Boards Double door in steel sheet housing - ABB/ MDS/ Lexic/ Siemens/ HPL | | | | |
| | MCB- 10kA "C" Characteristics L&T/ Siemens/ Schnider/ Legrand | | | | |
| | Db body should be earthed. | | | | |
| | | | | | |
| 5 | Supply & laying of incoming & outgoing wiring to & from UPS with 3*4 sq.mm FRLSH stranded Cu. Wires laid in 20/25 mm flexible PVC pipe medium duty to UPS incoming & from UPS outgoing. | m | 10 | | |
| | PVC Insulated FRLSH Copper wire (ISI Marked)- Skyline/ Finolex/ Havells/ Polycab | | | | |
| | PVC Conduit- CAP/ BEC/ Sieko/ AKG | | | | |
| | | | | | |
| 6 | UPS Output Db in UPS Room - S/F of 12way SPN Db c/w 40A 2P MCB incomer and 32A 2P branch + 2*16A 2P MCB's for FDAS & CCTV as outgoing feeders including proper connections thru lugs. The job shall be complete & to the entire satisfaction of the Bank. | Each | 1 | | |
| | Distribution Boards Double door in steel sheet housing - ABB/ MDS/ Lexic/ Siemens/ HPL | | | | |
| | MCB- 10kA "C" Characteristics L&T/ Siemens/ Schnider/ Legrand | | | | |
| | Db body should be earthed. | | | | |
| | | | | | |
| 7 | UPS Output Distribution Boards | | | | |
| a | Branch | | | | |
| | Location on RHS wall - S/ F of 12way SPN Db c/w 32A 2P MCB and 5nos. 6A 1P (1 cash, 1 LHS officer, 1 officer o/s BM & 2 routers) +2*16A 1P MCB for BM & 2officers O/s besides cash complete in all respect and as required & to the satisfaction of the bank. | Set | 1 | | |
| | Distribution Boards Double door in steel sheet housing - ABB/ MDS/ Lexic/ Siemens/ HPL | | | | |
| | MCB- 10kA "C" Characteristics L&T/ Siemens/ Schnider/ Legrand | | | | |
| | Db body should be earthed. | | | | |
| | | | | | |
| 8 | Supply & laying of incoming wiring from UPS Db in UPS room to UPS output Db near cash cabin with 3*4 sq.mm FRLSH stranded Cu. Wires laid in 20/25 mm flexible PVC pipe medium duty complete in all respects | m | 22 | | |

| | | | | | |
|---|---|------|---|--|--|
| | PVC Insulated FRLSH Copper wire (ISI Marked)- Skyline/ Finolex/ Havells/ Polycab | | | | |
| | PVC Conduit- CAP/ BEC/ Sieko/ AKG | | | | |
| | | | | | |
| 9 | Supply & Installation of point wiring for UPS power plug points on workstations / table for computers using 3*1.5 Sq.mm copper conductor multi stranded FRLSH 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 3 nos of 6A , 2/3 pin sockets & 1 No., 16A Switch wired together forming one point. The earth wire of green color only. | Each | 9 | | |
| | PVC Insulated FRLSH Copper wire (ISI Marked)- Skyline/ Finolex/ Havells/ Polycab | | | | |
| | PVC Conduit- CAP/ BEC/ Sieko/ AKG | | | | |
| | Modular Switch/ Sockets - ABB/ Legrand/ MK/ Anchor/ Elleys/ Roma | | | | |
| | | | | | |
| 4 | <u>DISTRIBUTION MAINS</u> | | | | |
| 1 | S/F of 3 nos. 100Amp 415V Kit kats rewirable Porcelain fuse carrier & base with extension strips c/w 4 hole heavy duty neutral terminal including making of connection from electronic meter c/w wooden board etc. | Set | 1 | | |
| | SFU/ Fuses- HPL/ L&T/ Siemens/ GE Power/ Schnider (MG) | | | | |
| | | | | | |
| 2 | <u>Main Incoming Panel</u> | | | | |
| | SITC of main distribution board panel fabricated of 18swg (powder coated) comprising of | Each | 1 | | |
| | Indicator lamps 3 nos. | | | | |
| | Voltmeter & ammeter (one each) c/w rotay switches and CT's for Ammeter | | | | |
| | | | | | |
| | Busbar 1nos. - (each of RYB +N) Copper 100A each | | | | |
| | Incomer - 100A 4P MCCB adjustable 25kA | | | | |
| | <u>100A 4P Changeover outside Panel - Item 3 below</u> | | | | |
| | | | | | |
| | <u>Outgoing</u> | | | | |
| | <u>UPS</u> | | | | |
| | To be tapped/ connected from incoming side of the c/o outside panel | | | | |
| | | | | | |
| | <u>From Main Bus</u> | | | | |
| | 63A 4P MCB- 4nos. - 2no. HTPN Db (LHS & RHS) + 1 ATM + 1 spare | | | | |
| | 32A 2P MCB's - 3nos. for Strong room, signage and 1 spare | | | | |
| | Earth bus bar 25x5mm GI strip - 2nos. At the bottom. | | | | |
| | | | | | |

| | | | | | |
|-----|--|-------|----|--|--|
| LOM | Ammeter, Voltmeter- AE/ L&T/ Meco/ Rishab | | | | |
| | Selector Switch, Push Button switch/ Emergency switch- Kay Cee/ L&T/ Siemens/ Schnider | | | | |
| | Indication Lamps- AE/ L&T/ Siemens/ Schnider | | | | |
| | CT's- L&T/ AE/ Kappa | | | | |
| | AT's- L&T/ Siemens/ Schnider/ Legrand | | | | |
| | MCCB- Legrand/ Schnider (MG)/ ABB/ Siemens/ L & T | | | | |
| | MCB- 10kA "C" Characteristics L&T/ Siemens/ Schnider/ Legrand | | | | |
| | | | | | |
| 3 | <u>Changeover:</u> S/F of 100A 4P changeover in SS enclosure near Panel for regulating DG set supply including proper connections. | Each | 1 | | |
| | | | | | |
| 4 | S/ laying of XLPE insulated armoured Aluminium Conductor cables including cost of lugs, cable glands etc. The cable should be laid on surface with proper clamps @750mm or laid & concealed in wall/ floor/ PVC Conduit/ false ceiling complete in all respect. The work also includes cutting chases for conduits in the wall/ floor (Without damaging the building) along with clamping the cable. All connection shall be done thru proper size of lugs | | | | |
| | 3.5c 25sq.mm for Pole & fuse Kit Kats | Metre | 25 | | |
| LOM | Cables Armoured/ Unarmoured - Finolex/ Polycab/ Havells/ RR Kabel/ KEI | | | | |
| | Cable Lugs- Dowells | | | | |
| | | | | | |
| 5 | S/ laying of XLPE insulated armoured Copper Conductor cables including cost of lugs, cable glands etc. The cable should be laid on surface with proper clamps @750mm or laid & concealed in wall/ floor/ PVC Conduit/ false ceiling complete in all respect. The work also includes cutting chases for conduits in the wall/ floor (Without damaging the building) along with clamping the cable. All connection shall be done thru proper size of lugs | | | | |
| | 4c x 16sq.mm for HTPN Db | Metre | 30 | | |
| LOM | Cables Armoured/ Unarmoured - Finolex/ Polycab/ Havells/ RR Kabel/ KEI | | | | |
| | Cable Lugs- Dowells | | | | |
| | | | | | |
| 6a | SITC of TPN Db complete in all respects as under - Location LHS wall behind IHD officer | Each | 1 | | |
| | LHS - 4way HTPN Db - Double door | | | | |
| | Incomer - 63A 4P MCB | | | | |
| | 2no. 32A 1P MCB - waiting LHS+ Officer LHS | | | | |
| | 2no. 16A 1P MCB - 1 LHS officer+ 1Pantry | | | | |
| | 4nos. 10A 1P MCB for L & F | | | | |
| | 3nos. 6A 1P MCB for L & F | | | | |
| | Blanking Plates - 1no. | | | | |
| | All connection shall be done thru proper size of crimped lugs | | | | |
| | Db body should be earthed. | | | | |

| | | | | | |
|-----|---|------|----|--|--|
| | | | | | |
| 6b | SITC of TPN Db complete in all respects as under - Location RHS near pillar behind officer o/s BM | Each | 1 | | |
| | RHS - 6way HTPN Db - Double door | | | | |
| | Incomer - 63A 4P MCB | | | | |
| | 3no. 32A 1P MCB - 1BM, 1 RHS area + 1 rear area | | | | |
| | 2no. 20A 1P MCB - Primary PP+ looped secondary PP - 1 for 2officers besides cash & 1 BM | | | | |
| | 5no. 16A 1P MCB - 1 Cash, 1 officer o/s BM, 2 router& 1 D/w | | | | |
| | 2nos. 10A 1P MCB for L & F | | | | |
| | 2nos. 6A 1P MCB for L & F | | | | |
| | Blanking Plates - 4no. | | | | |
| | All connection shall be done thru proper size of crimped lugs | | | | |
| | Db body should be earthed. | | | | |
| | | | | | |
| LOM | Distribution Boards Single/ Double door in steel sheet housing - ABB/ Legrand/ Siemens/ HPL | | | | |
| | MCB- 10kA "C" Characteristics L&T/ Siemens/ Schnider/ Legrand/ Havell | | | | |
| | | | | | |
| 7 | Strong room controlling DP MCB - Circuit wiring with 3*2.5sq.mm FR LSH stranded Cu. wires laid in 20 mm PVC pipe OD medium duty laid & concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement. The job also includes supply & fixing of 32A 2P MCB in 2way metallic box including connections with lugs. The job shall be complete & to the entire satisfaction of the Bank. | Job | 1 | | |
| | PVC Insulated FRLSH Copper wire (ISI Marked)- Skyline/ Finolex/ Havells/ Polycab | | | | |
| | PVC Conduit- CAP/ BEC/ Sieko/ AKG | | | | |
| | Modular Switch/ Sockets - ABB/ Legrand/ MK/ Anchor/ Elleys/ Roma | | | | |
| | | | | | |
| 8 | Glow sign Board - Circuit wiring with 3* 2.5 sq.mm FRLSH stranded Cu. wires laid in 20 mm PVC pipe heavy duty laid & concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement. The job shall be complete & to the entire satisfaction of the Bank. | m | 12 | | |
| | PVC Insulated FRLSH Copper wire (ISI Marked)- Skyline/ Finolex/ Havells/ Polycab | | | | |
| | PVC Conduit- CAP/ BEC/ Sieko/ AKG | | | | |
| | | | | | |
| 8 | Timer - Supply of 40 A SP 230 V analog time switch panel(TIMER), in manufacturer sheet steel panel, fully prewired with all components like time switch, MCB, contactor, selector switch, indicating lamp.(1 for sign board) | Nos. | 1 | | |
| | Timers- L&T/ Legrand/ Schnider/ Siemens/ GE | | | | |
| | | | | | |

| | | | | | |
|------------|--|------|----|--|--|
| 5 | <u>DG SET SUPPLY</u> | | | | |
| 1 | S/laying of 3.5c 25sq.mm XLPE insulated armoured Aluminium Conductor cable c/w 1*6sq.mm stranded copper wire for earthing from proposed DG set to Changeover switch including its connections at both ends with lugs to be laid in 25mm dia rigid PVC /flexible conduit | m | 12 | | |
| LOM | Cables Armoured/ Unarmoured - Finolex/ Polycab/ Havells/ RR Kabel/ KEI | | | | |
| | Cable Lugs- Dowells | | | | |
| | | | | | |
| 6 | <u>EARTHING</u> | | | | |
| 1 | <u>For Panel</u> | | | | |
| | S/burying of Dual pipe technology earthing electrode having GI 65mm O/D pipe with 25 micron coating, 3metres long. The job also includes S/F of GI strip clamp with two holes (with SS/GI bolts & nuts) on the electrode & taking one lead of 4sq.mm Cu stranded wire (Cost of 4sq.mm wire extra as under) upto 4way earth link near main panel complete in all respects with guaranteed E/N voltage of less than 2 volts and resistance less than 1 ohms. The 4sq.mm Cu stranded wire shall be terminated on 4way earthlink. The connections for Panel earthing/ earth bus in the panel and for 2 kiosks shall be taken from this earthlink. The distance between two earthing pits to be 10ft or more. | Job | 1 | | |
| | | | | | |
| 2 | <u>For UPS</u> | | | | |
| | S/burying of Dual pipe technology earthing electrode having GI 65mm O/D pipe with 25 micron coating, 3metres long. The job also includes S/F of GI strip clamp with two holes (with SS/GI bolts & nuts) on the electrode & taking one lead of 4sq.mm Cu stranded wire (Cost of 4sq.mm wire extra as under) upto 4way earth link near UPS complete in all respects with guaranteed E/N voltage of less than 2 volts and resistance less than 1 ohms. The 4sq.mm Cu stranded wire shall be terminated on 4way earthlink. The connections for UPS earthing/ UPS Db's earthing shall be taken from this earthlink. The distance between two earthing pits to be 10ft or more. | Job | 1 | | |
| | | | | | |
| 2 | Supply & Fixing of 4sq.mm FRLSH Cu. Stranded wire on surface or in recess for loop earthing as required earthing to Db's or main panel as required. | m | 30 | | |
| | PVC Insulated FRLSH Copper wire (ISI Marked)- Skyline/ Finolex/ Havells/ Polycab | | | | |
| | | | | | |
| 3 | S/F of 4 way earth link | Each | 2 | | |
| | | | | | |
| 7 | <u>SUPPLY & FIXING LIGHT & FAN ITEMS</u> | | | | |
| 1 | S/F of Energy efficient recessed mounted LED luminaire - 30/32w LED recessed mounted 2'X2' luminaire suitable for grid ceiling with indirect lighting delivering soft and uniform light - Make as approved by Bank/ architect | Each | 15 | | |
| | Light fittings - Philips/ Wipro/ Osram/ Havells/ Crompton Greaves | | | | |
| | | | | | |

| | | | | | |
|----|--|------|----|--|--|
| 2 | S/F of recessed LED downlighter - 15w LED recessed mounted high performance low-height LED downlighter c/w robust PDC housing complete in all respects- Make as approved by Bank/ architect | Each | 16 | | |
| | Light fittings - Philips/ Wipro/ Osram/ Havells/ Crompton Greaves | | | | |
| | | | | | |
| 3a | S/F of Surface & wall mounted LED batten - Ultra-slim poly carbonate decorative LED batten with inbuilt heat sink, anti glare polycarbonate diffuser & energy efficient electronic driver 20W 1800 lumens - Make as approved by Bank/ architect | Each | 10 | | |
| | | | | | |
| 4a | S/F of Angle holder Anchor make c/w 8w LED bulb complete in all respects - Make as approved by Bank/ architect | Each | 3 | | |
| | Light fittings - Philips/ Wipro/ Osram/ Havells/ Crompton Greaves | | | | |
| | | | | | |
| 5 | S/F of wall mounted fan - 80/100watt metal body Fan - 450mm, 1300 to 1500RPM | Each | 8 | | |
| | Fans- Crompton/ Havells/ Bajaj/ Usha | | | | |
| | | | | | |
| 6 | S/F of energy saving/ efficient ceiling fan 1200mm sweep double ball bearing type Make as approved by Bank/ architect | Each | 4 | | |
| | cost of electronic regulator to be quoted in CF point wiring as above. | | | | |
| | Fans- Crompton/ Havells/ Bajaj/ Usha | | | | |
| | | | | | |
| 7 | Supply & Fixing of metallic fresh air fan 230mm sweep - Make as approved by Bank/ architect | Each | 3 | | |
| | Fans- Crompton/ Havells/ Bajaj/ Usha | | | | |
| | | | | | |
| 8 | S/F of chime bell as approved by Architect | Each | 4 | | |
| | Anhcor/ Havells | | | | |
| 8 | <u>Telephone system</u> | | | | |
| 1 | S/F modular telephone jack single with shutter outlet (RJ-11) with mounting box & front plate complete with chase cutting, mending good etc. as required including Supply & laying of 2 pair unarmoured 0.61mm dia. PVC insulated twisted pairs bunched together telephone cables through rigid 20mm dia PVC conduit as directed by the Bank/ Architect from telephone junction box to telephone socket outlet including interconnection as required complete in all respects. | Each | 5 | | |
| | Telephone Wire -Delton/ Skyline/ Finolex/ Rallison/ Batra Henley | | | | |
| | | | | | |
| 2 | 10 Pair Tag box | Each | 1 | | |
| | Telephone Tag Blocks- Krone/ Pouyet/ TVS | | | | |
| | | | | | |
| 3 | MDS Box | Each | 1 | | |
| | MDS box - Krone/ Pouyet/ TVS | | | | |


| | | | | | |
|--------------|---|-------------|-------------|-------------|---------------|
| | | | | | |
| | Total Cost of Electrical works | | | | |
| | DATA CABLING | | | | |
| 1 | Supplying and laying D-link make CAT-6e Cable in PVC 20mm dia OD medium conduit complete with <u>CAT-6 information outlet with plate & surface Box</u> at work tables marked as DP | Point | 9 | | |
| | PVC Conduit- CAP/ BEC/ Sieko/ AKG | | | | |
| | Cable - Digi Link/ Clipser/ National/ Polycab/ Lapp/ Finolex | | | | |
| | I/O- DigiLink/ Tyco (AMP)/ Schnider/ D- Link | | | | |
| | | | | | |
| 2 | S/ F of 7ft Grey colour Patch chord | Each | 9 | | |
| | Patch Chord- DigiLink/ Tyco (AMP)/ Schnider/ D- Link | | | | |
| | | | | | |
| 3 | S/ F of 3ft Grey colour Patch chord | Each | 9 | | |
| | Patch Chord- DigiLink/ Tyco (AMP)/ Schnider/ D- Link | | | | |
| | | | | | |
| 4 | S/F of 24 Port Patch Panel complete in all respects | Each | 1 | | |
| | Patch Panel- Brocade/ Cisco/ DigiLink/ 3 Com/ Nortel/ Foundary/ D- Link | | | | |
| | | | | | |
| 5 | S/F of 24 Port switch complete in all respects | Each | 1 | | |
| | Switch- Brocade/ Cisco/ DigiLink/ 3 Com/ Nortel/ Foundary/ D- Link | | | | |
| | | | | | |
| 6 | Supply & Fixing of wall mounted rack 4U with glass perforated front door and removable rear locking door, Mounting Hardware pack, Fan assembly - Cable entry from rear complete in all respects | Each | 1 | | |
| | Racks- Com Rack/ HCL/ Val Rack/ APW President | | | | |
| | | | | | |
| 7 | Supply & fixing of 1U - PVC cable Manager with cover | Each | 1 | | |
| | Cable Manager - Krone/ Pouyet/ TVS | | | | |
| | | | | | |
| | Total for Data/ LAN Cabling | | | | |
| | | | | | |
| A | TOTAL FOR ELECTRICAL & DATA CABLING | | | | |
| | | | | | |
| ATM | | | | | |
| S.No. | Particulars | Unit | Qty. | Rate | Amount |

| | | | | | |
|-----|---|-------|---|--|--|
| | The work shall also include for cutting chase for conduits and moulded boxes, if required, in the wall/ floor (Without damaging the building/wall) along with clamping the conduit at every 750mm interval & finally finishing the surface & matching the same with the existing surface. Item 1,3, 4 & 5 | | | | |
| | The rate should include the cost of all materials, modular switch complete with MS box & cover plate, labour, T&P, taxes & levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc | | | | |
| 1 | L&F Point Wiring, Circuit wiring & Power Point wiring | | | | |
| | L & F Points | | | | |
| 1 | Primary Point Wiring for light points controlled thru modular switches complete with boxes & cover plate - The point wiring shall be carried with 3*1.5sq.mm FRLSH stranded Cu. Wires in 20mm PVC conduit pipe concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement. The rates shall include cost of circuit wiring with 3*1.5sq.mm FRLSH Cu stranded wires in 20mm OD PVC Pipe from nearest TPN Db to controlling SDb. The job shall be complete & to the entire satisfaction of the Bank. Each Switch board should be provided with suitable capacity fuses/ fuse indicator | Point | 3 | | |
| | | | | | |
| 2 | 6 A switch socket points on Sdb: S/F of 6A switch points with an additional indicator and 6Amp. modular Type switch & socket. It shall have 3*1.5sq.mm FRLSH stranded Cu. Wire as per requirement. The job shall be complete & to the entire satisfaction of the Bank. | Point | 1 | | |
| | | | | | |
| 3 | Point Wiring for wall fan points controlled thru modular switches complete with boxes & cover plate - The point wiring shall be carried with 3*1.5sq.mm FRLSH stranded Cu. Wires in 20mm PVC conduit pipe concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement. The job shall also include S/F of 6A switch socket near wall fan for regulating the same. The job shall include cost of circuit wiring with 3*1.5sq.mm FRLSH Cu stranded wires in 20mm OD PVC Pipe from nearest TPN Db to controlling SDb. The job shall be complete & to the entire satisfaction of the Bank. Each Switch board should be provided with suitable capacity fuses/ fuse indicator | Each | 1 | | |
| | | | | | |
| LOM | PVC Insulated FRLSH Copper wire (ISI Marked)- Skyline/ Finolex/ Havells/ Polycab | | | | |
| | PVC Conduit- CAP/ BEC/ Sieko/ AKG | | | | |
| | Modular Switch/ Sockets - ABB/ Legrand/ MK/ Anchor/ Elleys/ Roma | | | | |
| | | | | | |
| | <u>Power Point Wiring</u> | | | | |
| 1 | Primary Power Point: Raw power points on workstations / table / Printer etc using 3*4 Sq.mm FRLSH Cu. stranded wire laid in 20mm OD PVC pipe medium conduit pipe laid & concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement. Each power point shall also consists of 1 nos of 16A , 2/3/5 pin sockets & 1 No., 16A Switch, wired together forming one point. The earth wire of green color only. | Point | 1 | | |

| | | | | | |
|-----|--|-------|----|--|--|
| LOM | PVC Insulated FRLSH Copper wire (ISI Marked)- Skyline/ Finolex/ Havells/ Polycab | | | | |
| | PVC Conduit- CAP/ BEC/ Sieko/ AKG | | | | |
| | Modular Switch/ Sockets - ABB/ Legrand/ MK/ Anchor/ Elleys/ Roma | | | | |
| | | | | | |
| 2 | <u>Air - Conditioning</u> | | | | |
| 1 | AC Point: Providing AC points with circuit wiring with 3*4sq.mm FRLSH Cu stranded wires to be laid in 20mm PVC medium concealed in wall/ floor/ panelling/ partitions as per requirement. The work shall include S/F of MCB protected power unit for AC c/w 32A 2P MCB including proper connections. The job shall be complete & to the entire satisfaction of the Bank. | Point | 2 | | |
| | PVC Insulated FRLSH Copper wire (ISI Marked)- Skyline/ Finolex/ Havells/ Polycab | | | | |
| | PVC Conduit- CAP/ BEC/ Sieko/ AKG | | | | |
| | MCB Protected Power unit c/w10kA MCB "C"- Havells/ L&T/ Siemens/ Schnider | | | | |
| | | | | | |
| 3 | Wiring with 3*4.0sq.mm FRLSH stranded Cu. wires laid in 20mm OD PVC/ flexible pipe heavy duty laid on floor & concealed in wall/ floor as per requirement to <u>various voltage stabilizers</u> . The job includes making connections at both ends with proper size of lugs to the entire satisfaction of the Bank. | m | 6 | | |
| | PVC Insulated FRLSH Copper wire (ISI Marked)- Skyline/ Finolex/ Havells/ Polycab | | | | |
| | PVC Conduit- CAP/ BEC/ Sieko/ AKG | | | | |
| | | | | | |
| | <u>UPS</u> | | | | |
| | | | | | |
| 1 | S/ F of 2way SPN Db metallic c/w 32A 2P MCB including all connections complete in all respects to the entire satisfaction of the Architect/ bank. | Each | 2 | | |
| | Distribution Boards Double door in steel sheet housing - ABB/ MDS/ Lexic/ Siemens/ HPL | | | | |
| | MCB- 10kA "C" Characteristics L&T/ Siemens/ Schnider/ Legrand | | | | |
| | | | | | |
| 2 | Supply & laying of incoming & outgoing wiring to & from UPS with 3*4 sq.mm FRLSH stranded Cu. Wires laid in 20/25 mm flexible PVC pipe medium duty to UPS incoming & from UPS outgoing to 6way SPN Db. | m | 12 | | |
| | PVC Insulated FRLSH Copper wire (ISI Marked)- Skyline/ Finolex/ Havells/ Polycab | | | | |
| | PVC Conduit- CAP/ BEC/ Sieko/ AKG | | | | |
| | | | | | |
| 3 | UPS Output Db in UPS Room - S/F of 6way SPN Db c/w 40A 2P MCB incomer and 2*16A 1P MCB's for atm & 2 Spare as outgoing including proper connections thru lugs. The job shall be complete & to the entire satisfaction of the Bank. | Each | 1 | | |
| | Distribution Boards Double door in steel sheet housing - ABB/ MDS/ Lexic/ Siemens/ HPL | | | | |

| | | | | | |
|-----|---|------|----|--|--|
| | MCB- 10kA "C" Characteristics L&T/ Siemens/ Schnider/ Legrand | | | | |
| | | | | | |
| 4 | Supply & Installation of point wiring for UPS power plug points on workstations / table for computers using 3*1.5 Sq.mm copper conductor multi stranded FRLSH 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 3 nos of 6A , 2/3 pin sockets & 1 No., 16A Switch wired together forming one point. The earth wire of green color only. | Each | 2 | | |
| | PVC Insulated FRLSH Copper wire (ISI Marked)- Skyline/ Finolex/ Havells/ Polycab | | | | |
| | PVC Conduit- CAP/ BEC/ Sieko/ AKG | | | | |
| | Modular Switch/ Sockets - ABB/ Legrand/ MK/ Anchor/ Elleys/ Roma | | | | |
| | | | | | |
| 4 | <u>DISTRIBUTION MAINS</u> | | | | |
| 1 | Incoming supply to UPS room: S/laying of 4 core 6sq.mm XLPE insulated armoured Copper conductor cable from main Panel to 4way TPN Db in the UPS room to be laid in medium duty 20mm PVC conduit/ pipe & run on surface or concealed in wall/ floor/ false ceiling including connections at both ends with lugs. | m | 12 | | |
| LOM | Cables Armoured/ Unarmoured - Finolex/ Polycab/ Havells/ RR Kabel/ KEI | | | | |
| | Cable Lugs- Dowells | | | | |
| | | | | | |
| 2 | Supply & laying of 1*4Sq.mm FRLSH Cu Standed wire on surface or in recess for loop earthing along with sub main cable as required complete in all respects | m | 12 | | |
| | PVC Insulated FRLSH Copper wire (ISI Marked)- Skyline/ Finolex/ Havells/ Polycab | | | | |
| | | | | | |
| 3 | SITC of TPN Db complete in all respects as under - Location LHS rear area in Pantry | Each | 1 | | |
| | LHS - 4way HTPN Db - Double door | | | | |
| | Incomer - 63A 4P MCB | | | | |
| | 3no. 32A 1P MCB - 2 AC ATM + 1 glow sign board | | | | |
| | 2no. 32A 2P MCB - for 2nos. ATM UPS (1W+ 1Sb) | | | | |
| | 1no. 16A 1P MCB - 1 PP | | | | |
| | 2nos. 10A 1P MCB for L & F | | | | |
| | Blanking Plates - 2nos. | | | | |
| | All connection shall be done thru proper size of crimped lugs | | | | |
| | | | | | |
| 4 | Glow sign Board - Circuit wiring with 3* 2.5 sq.mm FRLSH stranded Cu. wires laid in 20 mm PVC pipe heavy duty laid & concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement. The job shall be complete & to the entire satisfaction of the Bank. | m | 12 | | |
| | PVC Insulated FRLSH Copper wire (ISI Marked)- Skyline/ Finolex/ Havells/ Polycab | | | | |

| | | | | | |
|----|---|------|----|--|--|
| | PVC Conduit- CAP/ BEC/ Sieko/ AKG | | | | |
| | | | | | |
| 5 | Timer - Supply of 40 A SP 230 V analog time switch panel(TIMER), in manufacturer sheet steel panel, fully prewired with all components like time switch, MCB, contactor, selector switch, indicating lamp.(1 for sign board) | Nos. | 1 | | |
| | Timers- L&T/ Legrand/ Schnider/ Siemens/ GE | | | | |
| | | | | | |
| 5 | <u>DG SET SUPPLY</u> | | | | |
| | Supply Thru Masin Panel | | | | |
| | | | | | |
| 6 | <u>EARTHING</u> | | | | |
| 1 | <u>For UPS</u> | | | | |
| | S/burying of Dual pipe technology earthing electrode having GI 65mm O/D pipe with 25 micron coating, 3metres long. The job also includes S/F of GI strip clamp with two holes (with SS/GI bolts & nuts) on the electrode & taking one lead of 4sq.mm Cu stranded wire (Cost of 4sq.mm wire extra as under) upto 4way earth link near UPS complete in all respects with guaranteed E/N voltage of less than 2 volts and resistance less than 1 ohms. The 4sq.mm Cu stranded wire shall be terminated on 4way earthlink. The connections for UPS earthing/ UPS Db's earthing shall be taken from this earthlink. The distance between two earthing pits to be 10ft or more. | Job | 1 | | |
| | | | | | |
| 2 | Supply & Fixing of 4sq.mm FRLSH Cu. Stranded wire on surface or in recess for loop earthing as required earthing to Db's or main panel as required. | m | 15 | | |
| | PVC Insulated FRLSH Copper wire (ISI Marked)- Skyline/ Finolex/ Havells/ Polycab | | | | |
| | | | | | |
| 3 | S/F of 4 way earth link | Each | 1 | | |
| | | | | | |
| 7 | SUPPLY & FIXING LIGHT & FAN ITEMS | | | | |
| 1 | S/F of Energy efficient recessed mounted LED luminaire - 30/32w LED recessed mounted 2'X2' luminaire suitable for grid ceiling with indirect lighting delivering soft and uniform light - Make as approved by Bank/ architect | Each | 1 | | |
| | Light fittings - Philips/ Wipro/ Osram/ Havells/ Crompton Greaves | | | | |
| | | | | | |
| 2 | S/F of recessed LED downlighter - 15w LED recessed mounted high performance low-height LED downlighter c/w robust PDC housing complete in all respects- Make as approved by Bank/ architect | Each | 1 | | |
| | Light fittings - Philips/ Wipro/ Osram/ Havells/ Crompton Greaves | | | | |
| | | | | | |
| 3a | S/F of Surface & wall mounted LED batten - Ultra-slim poly carbonate decorative LED batten with inbuilt heat sink, anti glare polycarbonate diffuser & energy efficient electronic driver 20W 1800 lumens - Make as approved by Bank/ architect | Each | 0 | | |

| | | | | | |
|--|--|-------|---|--|--|
| b | S/F of 2'long LED TL 10w Tube light complete in all respects | Each | 1 | | |
| | Light fittings - Philips/ Wipro/ Osram/ Havells/ Crompton Greaves | | | | |
| | | | | | |
| 4 | S/F of wall mounted fan - 80/100watt metal body Fan - 450mm, 1300 to 1500RPM | Each | 1 | | |
| | Fans- Crompton/ Havells/ Bajaj/ Usha | | | | |
| | | | | | |
| | Total Cost of Electrical works | | | | |
| | DATA CABLING | | | | |
| 1 | Supplying and laying D-link make CAT-6e Cable in PVC 20mm dia OD medium conduit complete with <u>CAT-6 information outlet with plate & surface Box</u> at work tables marked as DP | Point | 2 | | |
| | PVC Conduit- CAP/ BEC/ Sieko/ AKG | | | | |
| | Cable - Digi Link/ Clipser/ National/ Polycab/ Lapp/ Finolex | | | | |
| | I/O- DigiLink/ Tyco (AMP)/ Schnider/ D- Link | | | | |
| | | | | | |
| 2 | S/ F of 7ft Grey colour Patch chord | Each | 2 | | |
| | Patch Chord- DigiLink/ Tyco (AMP)/ Schnider/ D- Link | | | | |
| | | | | | |
| 3 | S/ F of 3ft Grey colour Patch chord | Each | 2 | | |
| | Patch Chord- DigiLink/ Tyco (AMP)/ Schnider/ D- Link | | | | |
| | | | | | |
| | Total for Data/ LAN Cabling | | | | |
| | | | | | |
| B | TOTAL FOR ELECTRICAL & DATA CABLING | | | | |
| | | | | | |
| | TOTAL BRANCH & ATM (A+B) | | | | |
| <div style="text-align: right;">  <p>For GUNJAN & ASSOCIATES (Ar. GUNJAN KAPUR) PROPRIETOR</p> </div> | | | | | |
| Ar. Gunjan Kapur | | | | | |
| for M/s Gunjan and Associates | | | | | |