

Bill of quantity for Electrical works for Indian Bank, Zonal Office, at Rambagh 80 Feet Wide Road, Kanpur					
S.NO.	PARTICULARS	Unit	Qty.	Rate	Amount
	<b>A - Light, Fan, 16A &amp; 6A points</b>				
	<b>For GF - All switch &amp; sockets shall be modular type complete with cover plate &amp; GI/ MS box.</b>				
	<b>For Basement - All switch &amp; sockets shall be Piano Type c/w with Sun Mica sheet &amp; GI/ MS box.</b>				
	The work shall also include cutting chase for conduits 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. (Items 1, 3, 4 & 5)				
	The rate should include the cost of all materials, labour, T&P, taxes & levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc.				
	<u>For Ground Floor</u>				
1	Point Wiring for light, fan & exhaust fan points controlled thru modular switches c/w boxes & cover plate - S/F of light, fan & exhaust fan points controlled thru 6A modular type switch with 3x1.5 sq.mm Fire Resistant Low smoke Halogen (FRLSH) Copper stranded PVC insulated wires (with proper R,Y,B color code) in 20mm OD PVC medium duty conduit pipe concealed in wall/ floor/ panelling/ partitions or on the ceiling as per requirement. The job shall be complete & to the entire satisfaction of the Bank.	Point	174		
2	6 A switch socket points on Sdb: S/F of 6A switch with 6A modular socket c/w MS box, sheet etc. The connections shall be made with 3 x 1.5sq.mm FRLSH stranded Cu. Wires as per requirement. The job shall be complete & to the entire satisfaction of the Bank	Point	24		
3	Circuit Wiring ( Light, fan, 6Amps Switch points) : Supply & laying of circuit wiring for light, Fan, Exhaust fan & 6 Amp. Switch points with 3x 1.5sq.mm FRLSH Cu stranded wires laid in 20mm OD PVC heavy duty conduit pipe concealed in wall/ floor/ panelling/ partitions or on the ceiling as per requirement. The job shall be complete & to the entire satisfaction of the Bank.	m	496		
	<u>Power Point Wiring</u>				
4	Circuit Wiring for Single 6/16Amps power Points) : Supply & laying of circuit wiring for 6/16 Amp. Switch points with 2 x2.5 + 1x 1.5sq.mm FRLSH Cu stranded wires laid in 20mm OD PVC medium duty conduit pipe concealed in wall/ floor/ panelling/ partitions as per requirement. The job shall be complete & to the entire satisfaction of the Bank.	m	118		
	8ckts - 2 Router separate ckts, 2 for switch, 3 RHS reception, CM1 and CM2 & 1 D/w)				
5	Circuit Wiring for twin 6/16Amps power Points: Supply & laying of circuit wiring for twin 6/16 Amp. Switch points with 2x 4.0 + 1x 1.5sq.mm FRLSH Cu stranded wires laid in 20mm OD heavy duty PVC conduit pipe concealed in wall/ floor/ panelling/ partitions as per requirement. The job shall be complete & to the entire satisfaction of the Bank. 2nd PP to be inter looped with first PP with 2x1.5 + 1x1.5 sq.mm FRLSH Cu stranded wires.	m	155		
	9 Ckts (1ZM, 1 DZM, 1 server, 1 EDP, 2 ckts for 4 PP in meeting room, 1 for two PP for screen, 1 for two officers central in Deptt I & 1 for Pantry)				
6	Circuit Wiring for triple (3nos.) 6/16Amps power Points: Supply & laying of circuit wiring for twin 6/16 Amp. Switch points with 2x 4.0 + 1x 1.5sq.mm FRLSH Cu stranded wires laid in 20mm OD heavy duty PVC conduit pipe concealed in wall/ floor/ panelling/ partitions as per requirement. The job shall be complete & to the entire satisfaction of the Bank. 2nd & 3rd PP to be inter looped with first PP with 2x1.5 + 1x1.5 sq.mm FRLSH Cu stranded wires.	m	111		
	5 Ckts (2 ckts for 6 officers in Deptt II and 3 ckts for 9 officers in Deptt I)				


7	Supply & fixing of 16A modular switch along with 16A twin socket power plug points complete with box & cover plate etc as per requirement. The work shall also include making of connections, cutting chase for conduits and moulded boxes, if required, in the wall/ floor (Without damaging the building/wall) & finally finishing the surface & matching the same with the existing surface. The job shall be complete & to the entire satisfaction of the Bank.	Each	41		
	<b>B - AIR CONDITIONING</b>				
	The work shall also include cutting chase for conduits 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)				
1	Circuit wiring for AC -Circuit wiring with 2x 4.0 + 1x 1.5sq.mm FRLSH Cu stranded wires laid in 20mm OD medium duty PVC conduit pipe concealed in wall/ floor/ panelling/ partitions as per requirement. The job shall be complete & to the entire satisfaction of the Bank	m	195		
2	AC Boxes - Supply & Fixing of 1P 20A 2P MCB industrial plug & socket IP 20 with provision for MCB Siemens 8GB0501SRC or equivalent c/w 25A 2P MCB. The rate should include the cost of all materials, labour, T&P, taxes & levies etc. The job shall be complete & to the entire satisfaction of the Bank.	Each	9		
3	Supply & fixing of Flush mounted 4 way VTPN Db IP - 42 double door complete with 63A 3P MCB as incomer & 6nos. 32A 1P MCB's complete in all respects. Siemens - 8GB0404VRC - Siemens/ L&T/ MDS/ Schnider. <b>The ZM &amp; DZM AC's shall be thru L&amp;F/ PP Db</b>	Each	1		
4	Cable for 4way AC VTPN Db - S/ laying of 4c x 10sq.mm XLPE insulated armoured Cu Conductor cable 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.	Metre	8		
5	Wiring for AC voltage stabilizers for (Total 8nos.) - Circuit wiring with 2x 4.0 + 1x 1.5sq.mm FRLSH Cu stranded wires laid in 20mm OD medium duty PVC conduit pipe concealed in wall/ floor/ panelling/ partitions as per requirement. The job shall be complete & to the entire satisfaction of the Purchaser.	m	38		
6	S/F of 63A 2P MCB in 2way metallic box Siemens 8GB32100RC02 near ODU for 2.0TR cassette units including making proper connections to the entire satisfaction of the bank	Each	5		
7	S/ laying of XLPE insulated armoured Cu Conductor cable 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.				
	3c x 4sq.mm for 2TR Cassette units	Metre	140		
	<b>C - DISTRIBUTION MAINS</b>				
1	S/F of 3 nos. 200Amp 415V Kit kits with extension strips rewirable porcelain fuse carrier & base Havells IHKRT4200 c/w 6way hole heavy duty terminals with shroud & cover including making of connection from electronic meter c/w wooden board etc.	Set	1		
2	Supply, Installation, Testing & commissioning of Main L T panel fabricated from CRCA sheet 1.8mm dust proof, vermin proof as under - All switchgears to be of Siemens/ ABB/ L& T.	Set	1		
	Incomer - 125A 3P MCCB 25Ka with adjustable thermal & Magnetic trip unit				
	Changeover TPN 125A- ABB / socomac/ HPL				
	<b>OUTGOINGS -</b>				
	63Amp 3P MCB - 3no. - 10kA for 2 LHS & 1 RHS VTPN Db				
	63Amp 3P MCB - 1no. - 10kA for AC (to be tapped directly & there shall be no supply to AC Db from DG set)				
	63A 3P MCB - 2no. for UPS 1 & 2 -10kA				
	63Amp 3P MCB - 1nos. Spare -10kA				
	63Amp 2P MCB - 6nos. 5 for 2TR cassette & 1 Spare -10kA				
	32Amp -2P MCB 3nos. - for Sign Board, Fire alarm & spare				
	Bus Bar - 125Amp c/w Ammeter & its selector switch, voltmeter & its selector switch, Indication lamps etc.				
	Cable entry from top & bottom - removable gland plates (bottom at 2 points) c/w powder coated Grey paint (two coats) with name labels for all incoming & outgoing feeders. The panel shall be complete in all respects including all accessories such as earthing bus, Air ventilators, lifting hooks etc.				

3	S/ laying of XLPE insulated armoured Cu Conductor cable 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.				
	3.5c x 25sq.mm for Pole & fuse Kit Kats to panel	m	32		
	4cx10sq.mm for AC, L&F and PP 8way VTPN Db	m	10		
	4cx6sq.mm for L&F and PP VTPN Db	m	33		
	4cx6sq.mm for UPS 1 & UPS 2	m	44		
4	Supply & fixing of Flush mounted VTPN Db IP - 42 double door complete in all respects. Siemens/ L&T/ MDS/ Schnider (The load shall be distributed equally on all phases)				
4.1	Front AC (ZM& DZM), PP and L & F 8way VTPN Db's IP 42 - Siemens 8GB0408 VRC (Location RHS wall near Pillar in waiting area o/s ZM Cabin) For front area consisting of ZM cabin, meeting room upto Deptt I, DZM cabin	Each	1		
	Incoming - 415V 63A 3P MCB -10kA				
	OUTGOINGS				
	3no. 32A 1P MCB 10kA - for 2nos. ZM AC's & 1 DZM AC				
	2No. 25A 1P MCB 10kA for triple (3nos.) PP- (2 ckts for 6 officers in Deptt II)				
	5No. 20A 1P MCB 10kA for twin PP- (1 ZM, 1 DZM, 1 for Screen & 2 ckts for meeting table)				
	6Nos. 10A 1P MCB 10kA for L & F				
	5Nos. 6A 1P MCB 10kA for L & F				
	3nos. - Blanking plate				
	All connection thru lugs				
4.2	RHS portion - PP and L & F - 6way VTPN Db's IP 42 - Siemens 8GB0406 VRC (Location RHS wall above 4' partition between CM1 & CM 2) for Reception to Rear UPS room	Each	1		
	Incoming - 415V 63A 3P MCB -10kA				
	OUTGOINGS				
	2No. 20A 1P MCB 10kA for twin PP- (1 Server & 1 EDP)				
	7Nos. 16A 1P MCB 10kA for single PP - 2 switch, 2 router, 1 Reception, 1 CM1 & 1 CM 2				
	4Nos. 10A 1P MCB 10kA for L & F				
	3Nos. 6A 1P MCB 10kA for L & F				
	2no. Blanking plate				
	All connection thru lugs				
4.3	LHS Rear portion - PP and L & F - 6way VTPN Db's IP 42 - Siemens 8GB0406 VRC (Location LHS wall near pillar in Deptt II) For LHS Dept II to rear toilet area & pantry	Each	1		
	Incoming - 415V 63A 3P MCB -10kA				
	OUTGOINGS				
	3No. 25A 1P MCB 10kA for triple (3nos.) PP- (3 ckts for 9 officers in Deptt I)				
	2No. 20A 1P MCB 10kA for twin PP- (1 for 2 officers in Deptt I & 1 for Pantry)				
	1Nos. 16A 1P MCB 10kA for single PP - 1 D/w				
	4Nos. 10A 1P MCB 10kA for L & F				
	3Nos. 6A 1P MCB 10kA for L & F				
	5no. Blanking plate				
	All connection thru lugs				
5	S/F of Wire way cable end Boxes for TPN Double door Db's for mounting at top or bottom for proper distribution of wires suitable 6/8way VTPN Db Havells DHDATVOD04 or equivalent. The job shall be complete & to the entire satisfaction of the Bank.	Each	3		
6	Glow sign Board - Circuit wiring with 2x2.5sq.mm + 1x 1.0sq.mm stranded Cu. conductor (Finolex/Anchor/Skytone) to be laid in 20mm OD PVC pipe medium duty laid & concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement. The rates should include the cost of all materials, labour, T&P, taxes & levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc.The job shall be complete & to the entire satisfaction of the Bank.	m	12		
	D - DG SET SUPPLY				
1	S/laying of 3.5c 25sq.mm XLPE insulated Copper conductor armoured cable from proposed DG set to Changeover switch including its connections at both ends to be laid in rigid PVC /flexible conduit	m	14		
	E- EARTHING				

1	Panel/ Power earthing - S/burying of Dual pipe technology (Pipe in Pipe) earthing electrode having GI 80mm O/D pipe with 25 micron coating, 3metres long. The space between two pipes to be filled with Highly conductive & Non corrosive chemical compound. The vacant space between pipe & hole shall also be filled with compound all around. The job also includes S/F of GI strip clamp with two holes (with SS/GI bolts & nuts) on the electrode & taking two earthing leads of 4mm dia copper wire (Assumed length of 10m - beyond 10m to be paid extra) upto Main panel complete in all respects with guaranteed E/N voltage of less than 2 volts and resistance less than 1 ohms.	Job	2		
2	Supply & Fixing of 2 leads of 4mm dia Cu. wire on surface or in recess for loop earthing as required earthing to Db's or main panel.if required beyond 10m	m	36		
	F - SUPPLY & FIXING ITEMS				
1	S/F of Energy efficient recessed mounted LED luminaire - 33w suitable for 2' x 2' grid recessed mounted - 6500K - 220- 240V 50Hz - Crompton Greaves/ Philips/ Panasonic/ GE/ Bajaj or any other make approved by Bank/ architect - Philips RC366B LED33- 6500 PSU OD GR	Each	54		
2	S/F of recessed LED downlighter - Recessed mounted LED down lights complete in all respects make as approved by Bank/ architect Philips - DN 394B LED16S- 6500 PSU WH	Each	60		
3	S/F of suspended/ wall type Conventional industrial batten philips TMC 501 P 2xT- LED 22W P3242 c/w 2nos. 12NC clamps 919615810339 & 2nos. Philips LED tube ESSENTIAL LEDtube 1200mm 18W865 T8 AP I complete in all respects	Each	0		
4	Extra for fixing of Tube fitting as pendent with two nos. 19mm dia 16swg rigid steel conduit double check nuts spring loaded flanges or MS hook fabrictaed from 25x3mm flat iron duly grouted in the ceiling upto 3.5m height including painting with synthetic enamel paint along with supply of all materials, labour, T & P etc. as required for proper completion of work	Each	0		
5	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 - any make approved by Bank/ Architect - Philips - BN021C LED20S PSU NW GR	Each	13		
6	S/F of angle holder for bulbs including cost of 7w Led bulb - Philips - myVision 7W B22 6500K A60 IND	Each	5		
7	S/F of metal/ steel body wall mounted fan 450mm sweep - Sturdy & heavy duty Aluminium Blades, 120 spokes Nickel Chrome plated guard - Havells V3 model or equivalent Bajaj / Crompton/ Alstom/ Usha	Each	32		
8	S/F of energy svaing/ efficient ceiling fan 1200mm sweep double ball bearing type - Havells ES -50 Premium 5 star or Equivalent c/w Electronic modular regulator or any make as approved by Bank/ architect	Each	2		
9	Supply & Fixing of metallic fresh air fan 230mm sweep - Havells venti Air DSP metallic range model or equivalent	Each	8		
	G - TELEPHONE CABLING				
1	Supply & fixing on wall/ furniture/ partition recessed type modular telephone jack single without shutter outlet RJ-11 c/w mounting box & front plate. The job includes chase cutting, mending good etc. as required includinhg Supply & laying of 2 pair unarmoured 0.61mm dia. PVC insulated twisted pairs bunched together telephone cables through rigid 20mm OD PVC medium duty conduit pipe as directed by the Bank/ Architect from telephone junction box to telephone socket outlet including interconnection mending good etc. as required complete in all respects.	Each	14		
2	Supply & fixing of MDS box	Each	1		
3	Supply & fixing of 10 pair Crone boxes	Each	2		
	<b>Total for Electrical w/o UPS &amp; Data</b>				
	<b>UPS POWER STATIONS WIRING, SPECIFICATIONS AND BILL OF QUANTITY</b>				
	<b>Alternate Computer points shall be connected to UPS1 &amp; UPS 2.</b>				
	<b>For Manager Room &amp; server room- one point shall be from UPS 1 &amp; other from UPS 2. It shall have 4nos. 6A switches in computer power station.</b>				
	<b>For note counting - computer power station shall have 4nos. 6A switches</b>				
	<b>For server switch - computer power station shall have 3nos. Power points.</b>				
	<b>Balance CP shall have 3 switches &amp; 3 sockets of 6A each</b>				

	<b>FOR UPS -1</b>				
1	Supply & Fixing of 32A 4P MCB in a 4way SPN Db IP-20 Metallic directly on wall for UPS -1 complete in all respects	Nos.	1		
2	Supply & Fixing of 63A 3phase rotary switch heavy duty including all connections thru lugs complete in all respects to the entire satisfaction of the bank.	Nos.	1		
3	Supply & Fixing of 63A 2P MCB in 2way SPN Db IP 20 metallic directly on wall for UPS Incoming & outgoing supply (1 for incoming & 1 for outgoing for UPS)	Nos.	2		
4	Supply & running the following size of 660V grade, Finolex brand PVC insulated, multi stranded Cu conductor in suitable size of MS conduit on wall/ wooden partitions under the floor as per site requirements in the case of running the conduit under the flooring or concealed in the wall. The flooring/ wall shall be neatly finished with cement mortar.				
	3 runs of 2.5sq.mm UPS Db's to power stations of 3switch socket each (As explained in Item -1) to be connected to each circuit - 2 nodes should be connected to one ckt as & where needed	m	302		
	2 runs of 6.0sq.mm with one run of 2.5sq.mm As explained in Item - 6 from change over switch to Db for individual Power station through phase selector & UPS and incoming & outgoing supply to UPS & UPS Db	m	29		
	2 runs of 4.0sq.mm with one run of 1.5sq.mm for connections of UPS Incomer & UPS Outgoing in PVC flexible conduit + Supply from UPS to UPS Db -1	m	0		
	2 runs of 4.0sq.mm with one run of 1.5sq.mm for UPS controlled power point strip for server switch in MS conduit	m	14		
5	<b>Supply &amp; fixing of computer power stations</b>				
	6A 5Pin 3nos. sockets surround controlled by 1no. 16A switch & 3nos. apertures with blank plugs - Schnider Clipsal office wonder for work station (H2015/ 6E4X - WE) complete in all respects. The box shall be fixed on wall or Partition (wooden) concealed or open as required at site. (For cash, S/w and Counter)	Nos.	12		
	ZM & DZM cabin, Server Room, router and Note Counting room - 6A 5Pin 4nos. sockets surround controlled by 1no. 16A switch & 2nos. apertures with blank plugs - Schnider Clipsal office wonder for work station (H2015/ 6E4X - WE) complete in all respects. The box shall be fixed on wall or Partition (wooden) concealed or open as required at site.	Nos.	5		
	Server switch - 13A multi pin 3nos. sockets surround controlled by 1no. 16A switch & 3nos. apertures with blank plugs - Schnider Clipsal office wonder for work station (AAKH2015/ 13E4X - WE) complete in all respects. The box shall be fixed on wall or Partition (wooden) concealed or open as required at site. (0 no. for ATM + 1no. for server switch)	Nos.	1		
6	Supply & Fixing of 16way SPN Db double door IP - 43 with 13nos.10A 1P +1no.16A 1P MCB's (10kA rapturing capacity) controlled thru 40A 2P MCB fixed on the wall or concealed with necessary adpater box on out going side to facilitate for terminating the 6nos. conduits with necessary holes. The distribution board & MCB's should be of the same make - "Make - STANDARD"/ Siemens	Nos.	1		
	<b>FOR UPS -2</b>				
1	Supply & Fixing of 32A 4P MCB in a 4way SPN Db IP-20 Metallic directly on wall for UPS -1 complete in all respects	Nos.	1		
2	Supply & Fixing of 63A 3phase rotary switch heavy duty including all connections thru lugs complete in all respects to the entire satisfaction of the bank.	Nos.	1		
3	Supply & Fixing of 63A 2P MCB in 2way SPN Db IP 20 metallic directly on wall for UPS Incoming & outgoing supply (1 for incoming & 1 for outgoing for UPS)	Nos.	2		
4	Supply & running the following size of 660V grade, Finolex brand PVC insulated, multi stranded Cu conductor in suitable size of MS conduit on wall/ wooden partitions under the floor as per site requirements in the case of running the conduit under the flooring or concealed in the wall. The flooring/ wall shall be neatly finished with cement mortar.				
	3 runs of 2.5sq.mm UPS Db's to power stations of 3switch socket each (As explained in Item -1) to be connected to each circuit	m	302		

	2 runs of 6.0sq.mm with one run of 2.5sq.mm As explained in Item - 6 from change over switch to Db for individual Power station through phase selector & UPS	m	29		
	2 runs of 4.0sq.mm with one run of 1.5sq.mm for connections of UPS Incomer & UPS Outgoing in PVC flexible conduit + Supply from UPS to UPS Db -2	m	0		
	2 runs of 4.0sq.mm with one run of 1.5sq.mm for UPS controlled power point strip for server switch in MS conduit	m	14		
5	Supply & fixing of computer power stations				
	6A 5Pin 3nos. sockets surround controlled by 1no. 16A switch & 3nos. apertures with blank plugs - Schnider Clipsal office wonder for work station (H2015/ 6E4X - WE) complete in all respects. The box shall be fixed on wall or Partition (wooden) concealed or open as required at site. (4nos. for officer cash, rear, Counter & advance)	Nos.	12		
	ZM & DZM cabin, Server Room, router and Note Counting room - 6A 5Pin 4nos. sockets surround controlled by 1no. 16A switch & 2nos. apertures with blank plugs - Schnider Clipsal office wonder for work station (H2015/ 6E4X - WE) complete in all respects. The box shall be fixed on wall or Partition (wooden) concealed or open as required at site.	Nos.	5		
	Server switch - 13A multi pin 3nos. sockets surround controlled by 1no. 16A switch & 3nos. apertures with blank plugs - Schnider Clipsal office wonder for work station (AAKH2015/ 13E4X - WE) complete in all respects. The box shall be fixed on wall or Partition (wooden) concealed or open as required at site. (0 no. for ATM + 1no. for server switch)	Nos.	1		
6	Supply & Fixing of 16way SPN Db double door IP - 43 with 13nos.10A 1P +1no.16A 1P MCB's (10kA rapturing capacity) controlled thru 40A 2P MCB fixed on the wall or concealed with necessary adpater box on out going side to facilitate for terminating the 6nos. conduits with necessary holes. The distribution board & MCB's should be of the same make - "Make - STANDARD"/ Siemens	Nos.	1		
	<b>COMMON FOR BOTH UPS 1 &amp; 2</b>				
1	UPS earthing - S/burying of Dual pipe technology (Pipe in Pipe) earthing electrode having GI 80mm O/D pipe with 25 micron coating, 3metres long. The space between two pipes to be filled with Highly conductive & Non corrosive chemical compound. The vacant space between pipe & hole shall also be filled with compound all around. The job also includes S/F of GI strip clamp with two holes (with SS/GI bolts & nuts) on the electrode & taking two earthing leads of 4mm dia copper wire (Assumed length of 10m - beyond 10m to be paid extra) upto Main panel complete in all respects with guaranteed E/N voltage of less than 2 volts and resistance less tahn 1 ohms. The 4mm dia Cu. earth wire shall be terminated on a separate 6way earthlink. The connections for Panel earthing & earth bus in the panel should be taken from this earthlink.	Job	1		
2	Supply & Fixing of 2 leads of 4mm dia Cu. wire on surface or in recess for loop earthing as required earthing to Db's or main panel.if required beyond 10m	m	21		
3	S/F of G I Strip earth clamp	Each	1		
4	Supply & Fixing of 63A 3 phase 2way fused Db (Anchor/ Stanadard/ equivalent brand)	Nos.			
5	Supply & Fixing of 63A TPN SFU with HRC fuses on suitable angle iron frame Havells IHCSFE0063	Nos.	1		
6	Supply & Fixing of 40 Amp. manual three phase changeover switch (Sielzer make or any other equivalent brand)	Nos.	2		
7	Supply & Fixing of 63A TP MCB in a MS box directly on wall for 3P UPS	Nos.	0		
	Total				
11	Charges for verification & certification per power station	Per station	36		
12	Parking charges per day at places where Vendor has no office/ branch/ service centre	Days	1		
	<b>Total Estimate for UPS work</b>				
<b>DATA/ MOLEX/ AMP</b>					
	<b>Each Data point shall have 2nos. Information outlets</b>				

	Each information outlet shall be fed from separate Cat 6e cable.				
	Distance between data pipe/ PVC channel & power pipe shall be 300mm & above.				
1	Information outlet per number with face plate and base box- Supply & Fixing of XL RJ 45 toolless information outlet Grey colour cat 6e Giga speed Systimax/ D link make including interconnection with single connectors as required complete in all respects.	Nos.	72		
2	Patchmax Panel # 24 Ports - Supply & fixing of 24 Port Cat 6e Patch Panel/ Jack panel D - Link/ systimax fully loaded in the rack to be provided by purchaser complete in all respect to the entire satisfaction of the Bank.	Nos.	2		
3	Patch Chord - 1metre - Supply & fixing of 1 metre length Grey colour Patch chord Giga speed Systimax/ D link make for connections to nodes	Nos.	36		
4	Patch Chord - 2 metres - Supply & fixing of 2metre length Grey colour Patch chord Giga speed Systimax/ D link make for making connections between patch panel & switch thru cable manager	Nos.	36		
5	UTP cable (ECAT # 6) - Supply & laying of CAT - 6e cables Giga speed D -Link/ Systimax make through pre-laid rigid PVC conduit/channel as directed by the consultant from Server to Switch, Switch to computer data socket including interconnection with connectors as required complete in all respects. The data cabling pipe/channel should be laid at a minimum distance of 3ft from pipes laid down for power distribution.	m	1220		
6	Switch 24 Port - D Link/ systimax	Nos.	2		
7	PVC Channel Flat 1.5mm and above (Make - Modi)				
	1" size	m	505		
8	9U, 19", 500mmD x 600mmW closed wall mount MS 18/20swg powder coated rack with glass door opening in the front with power panel, cable manager & lock & key (Universal make)	Nos.	1		
	Total for Data/ LAN Cabling				
	Charges for verification & certification per LAN station	Per station	72		
	Parking charges per day (Not applicabe at places where Vendor has office/ branch/ service centre)	Days	2		
	<b>Total Estimate for Data/ LAN wiring</b>				
	<b>Summary of estimate for Electrical, UPS &amp; Data work for the Branch</b>				
	Cost of Electrical works				
	Cost of UPS Related works				
	Cost of Data /LAN wiring				
	<b>TOTAL ESTIMATE FOR ELECTRICAL, UPS &amp; DATA</b>				
	<b>Note: All rates are excluding G.S.T.</b>				
	<p style="text-align: right;">For GUNJAN &amp; ASSOCIATES    (Ar. GUNJAN KAPUR)  PROPRIETOR</p>				
	<b>Ar. Gunjan Kapur</b>				
	<b>(Gunjan And Associates)</b>				