

REFURBISHING OF PROPOSED NEW BRANCH INCLUDING ATM FOR UCO BANK AT HRIDAYPUR GP, CHAPRA, NADIA, PO: SUTIA, WEST BENGAL- 741 103

ELECTRICAL WORKS FOR BANKING AREA

SI No	Description of Items	Unit	Quantity	Rate	Amount
1	LIGHT POINT WIRING				
	Supply, Laying, Connection & Testing of Light, Fan Point, wiring by 2 x 1.5 mmsq (2 x 3/ 0.029) + 1 x 1 mmsq PVC insulated copper flexible wire maintaining the colour code as per direction in PVC conduit of 20 mm with ISI mark 1.5 PVC wall thk. to conceal in wall partition mending good the damage, complete with PVC circular box, bend to be done as per drawing including 3 point ceiling rose where ever required. GI saddle to be used for fixing, PVC conduit/ flexible pipe may use if required in partition wall. All PVC pipes should be with ISI mark. No joints will be allowed inside pipe. Light, fan & plug point complete with modular type switch plate & MS box including the main circuit line 2 x 2.5 mmsq + 1 x 1.5 mmsq earth PVC insulated Cu Wire, maintaining the colour code. Circuit line for lighting switch board, 6 Amps plug board are to be drawn from lighting DB to Lighting board & 6A plug point board, 6/ 16 Amps plug point line are to be drawn from power DB. 3Nos lighting board/ 03 Nos. 6 Amps plug are to be connected from one circuit & 02 Nos. 6/ 16 plug to be connected from one circuit (Lighting S Board height- 32" from floor)				
1.1	Lighting Point complete with Modular type switch, plate, MS conceal box				
1.1.1	Point- 1 Light point control by 01 switch	no	16		
1.1.2	Point- 2 Light point control by 01 switch	no	10		
1.1.3	Point- 3 Light point control by 01 switch	no	2		
1.2	Exhaust Fan Point same as item No. 1.1 complete with modular type switch plate & MS conceal box & 3 pin ceiling rose	no	2		
1.3	Wall Bracket Point as above complete with modular type switch, plate & MS conceal box including one 2-pin plug socket, front plate & conceal box at fan end; Height at 6'-6"	no	10		
1.4	Ceiling Fan Point as above complete with Modular type switch, modular plate & conceal box				
	The rate is inclusive of 300 W Electronics Regulator	no	4		
1.5	Call Bell Point same as above complete with modular type push switch, plate & MS conceal box with Din- Dong type bell	no	2		
2	RAW POWER WIRING				
2.1	Supply, Laying of Circuit line 2 x 2.5 mmsq + 1 x 1 mmsq PVC insulated Copper wire from LDB to 6/ 16A or 6 Amps Plug point. Also note that 03 Nos 06 Amps Plug to be connected from one circuit line; rest are same as item No 1	m	70.00		

REFURBISHING OF PROPOSED NEW BRANCH INCLUDING ATM FOR UCO BANK AT HRIDAYPUR GP, CHAPRA, NADIA, PO: SUTIA, WEST BENGAL- 741 103

ELECTRICAL WORKS FOR BANKING AREA

SI No	Description of Items	Unit	Quantity	Rate	Amount
2.2	Supply, fixing & connection of Modular type 6 Amps Plug switch complete with circuit wiring 2 x 2.5 sqmm + 1 x 1 sqmm PVC insulated Copper wire through 20 mm dia PVC pipe & MS box Socket switch above table at 32" height from floor	no	6		
2.3	Supply, fixing & connection of Modular type 16 Amps 6 pin socket with 16 amps switch for Raw/ UPS Power point (02 nos plug connected from one circuit) rest as item no 1 (Height of Plug point as per advice of consultant)	no	6		
3	TELEPHONE WIRING				
3.1	Supply, laying & connection of same as item no. 1 but with 2 pair 0.51 mmsq tinned CU conductor through PVC rigid ISI mark pipe from telephone point to Korne DB complete with RJ – 111 telephone socket modular type in MS conceal box under table at 22" Height and one Telephone Point near HUB Rack	no	2		
3.2	Supply, fixing & connection of Cat- 5 cable from BSNL DB to HUB rack through separate pipe for Lease line & ISDN line. (02 Line)	m	20.00		
3.3	Supply, fixing & connection of 10 pair 0.51 mmsq Copper Conductor Telephone Cable in 20 mm dia PVC pipe from BSNL DB to 20 pair KORN connector	m	20.00		
3.4	Supply, fixing & connection of 10 pair KRONE connector DB complete with PVC moulded Telephone DB box with locking system	set	1		
4	ELECTRICAL FIXTURES				
4.1	Supply Installation, testing & commissioning of 595 x 595 mm 36 W 5700 K high spec base LED Panel Lights of CRCA housing of approved make (PBLM21368) to hang from true ceiling by 25 x 3 mm MS flat with nuts and bolt as required	no	9		
4.2	Supply, installation, testing & commissioning of 15W/ 18W 3000- 6500 K 139- 169 mm dia LED Recessed Down Light comprising of casted Al housing with SS springs for recessed mounting arrangements of approved make. (PDLM26153-158)	no	30		
4.3	Supply, installation, testing & commissioning of 4'-0" long 20 W 5700 K Commercial Batten Light comprising of extruded Al housing with PC Diffuser, PC Endcaps & spring steel clamps for surface mounting arrangement of approved make. (PBTM08208)	no	8		
4.4	225 mm dia heavy duty Exhaust fan 230 volt AC (EPC/ Crompton make)	no	3		
4.5	Hi-speed Wall Mounting Fan 400 mm dia 230 volt AC (Crompton/ Orient)	no	6		

REFURBISHING OF PROPOSED NEW BRANCH INCLUDING ATM FOR UCO BANK AT HRIDAYPUR GP, CHAPRA, NADIA, PO: SUTIA, WEST BENGAL- 741 103

ELECTRICAL WORKS FOR BANKING AREA

SI No	Description of Items	Unit	Quantity	Rate	Amount
4.6	Supply, installation, testing & commissioning of 4'-0" long 22 W 5700 K Commercial Batten Light comprising of extruded Al housing with PC Diffuser, PC endcaps & spring steel clamps for surface mounting arrangement of approved make. (PBTM17228)	no	1		
4.8	Supply, installation, testing and commissioning of 5W LED Tube (PBTM01057)	no	5		
5	UPS WIRING				
5.1	Supply, fixing & connection of UPS circuit line with 2 x 2.5 + 1 x 1.5 mmsq through MS conduit 20 mm dia 16 SWG wall thickness, with ISI mark, to lay from UPS MCB DB to plug point board. Rest same as item no. 1. Two nos point to be connected from One circuit.	m	50.00		
5.2	Supply, fixing of 2 x 6 Amps 5-pin socket + 1 x 16 Amps 6 pin socket in single board (under table) + 1 x 16 A switch in another board above table as per direction. (under table Height 22")	set	5		
5.3	Supply, laying & connection of 4 x 6 mmsq + 2 x 4 mmsq PVC insulated copper conductor cable (FRLS) through PVC rigid/ flexible conduit from the UPS incoming MCB box to UPS.	m	25.00		
5.4	Supply, laying & connection of 2 x 6 mmsq + 1 x 4 mmsq PVC insulated Copper Conductor Cable (FRLS) through PVC rigid/ flexible conduit from UPS outgoing to UPS DB	m	35.00		
5.5	UPS incoming power to drawn by 6 mm 4-core Cu Conductor PVC insulated armoured cable with 2 nos of bare copper wire of 14 SWG	m	35.00		
5.6	Supply, installation & termination of 40 Amps DP MCB with Metal enclosure for UPS outgoing Line (for 5 KVA 2 nos UPS unit)	no	2		
5.7	Supply & installation of UPS incoming 40 Amps 4-pole MCB MDS make in MS enclosure for Incoming Line as per instruction of consultant	no	1		
5.8	Supply, installation and termination of UPS outgoing power distribution system with 12 Way SPN DB comprising 8 x 10 Amps SP MCB & 40 Amps DP RCBO 300 MA as main; MDS make IP-42 Double Door	no	1		
6	SUPPLYING & LAYING OF CABLE				
6.1	supplying & Laying of above cable with 2 nos 10 SWG CU earth on wall/column including supply & fixing of MS clamps/ galvanised bar saddles @ 300 mm apart, as required making holes and mending good damages				
6.1.1	Main Meter to Main panel 3.5 core 50 Sq mm	m	5.00		
6.1.2	Main panel to main switch 3.5 core 35 Sq mm	m	5.00		
6.1.3	Main panel to AC DB 4 core 25 Sq mm	m	5.00		
6.1.4	Main panel to TPN Lighting DB 4 core 16 Sq mm	m	5.00		

REFURBISHING OF PROPOSED NEW BRANCH INCLUDING ATM FOR UCO BANK AT HRIDAYPUR GP, CHAPRA, NADIA, PO: SUTIA, WEST BENGAL- 741 103

ELECTRICAL WORKS FOR BANKING AREA

SI No	Description of Items	Unit	Quantity	Rate	Amount
6.2	Supplying & fixing of compression type brass cable gland along with rubber rings for dust and moisture proof entry of following 1.1 KV grade aluminium conductor PVC insulated & PVC sheathed armoured cable and finishing the end by crimping method including supply and fixing of "Dowell" make solder-less socket, tapes and jointing materials as required to be completed in all respect				
6.2.1	Main Meter to Main panel 3.5 core 50 Sq mm	no	2		
6.2.2	Main panel to main switch 3.5 core 35 Sq mm	no	2		
6.2.3	Main panel to AC DB 4 core 25 Sq mm	no	2		
6.2.4	Main panel to TPN Lighting DB 4 core 16 Sq mm	no	2		
7	MAIN DISTRIBUTION BOX'S				
7.1	Supply, fixing and connection of prefabricated ready made DB MDS make double door 6-way TPN MCB DB for power along with following complete: 6-way TPN MCB DB with 63 A 4-pole MCB as main (POWER DB); 20 A SPMCB- 8 nos + 16 A SPMCB- 5 nos + 10 A SPMCB- 5 nos including Neutral Bar	set	1		
7.2	Supply, fixing and connection of prefabricated ready made DB MDS make double door 4-way TPN MCB DB for power along with following complete: 4-way TPN MCB DB with 40 A 4-pole MCB as main (LIGHT DB); 10 A SPMCB- 8 nos + 6 A SPMCB- 4 nos including Neutral Bar	set	1		
7.3	150 x 100 mm enamel Danger board 440 volt; One board to fixed on DB	no	4		
7.4	Supply, fixing and connection of 63 A, 4-pole C/O switch with enclosure side handle operated for lighting DB	no	1		
7.5	Supply, fixing and connection of 63 A 4-pole copper bus bar complete with 440 volt danger board & necessary materials	no	1		
7.6	Supply, fixing and connection of 8" x 6" MS Box with 3 nos sliding fuse + 3 nos brass batten holder + 3 nos 15 W Lamp (Red, yellow & Blue)	set	2		
7.7	Supply, fixing & connection with SM housing 4-pole 40 A MCB for lighting on and off	no	1		
7.8	Supply, fixing and connection of 63 A, 4-pole C/O switch only for light run from generator set including all necessary aluminium Lugs cable, tape all complete and testing	no	1		
8	EARTHING STATION				

REFURBISHING OF PROPOSED NEW BRANCH INCLUDING ATM FOR UCO BANK AT HRIDAYPUR GP, CHAPRA, NADIA, PO: SUTIA, WEST BENGAL- 741 103

ELECTRICAL WORKS FOR BANKING AREA

SI No	Description of Items	Unit	Quantity	Rate	Amount
8.1	Earthing installation as per IE rule conforming to IS 3043- 1987 or its latest amendment by making earth station with 600 x 600 x 3 mm (minimum) thick copper plate electrode to be installed such that its top edge shall be at a minimum depth of 3.3 m below ground level after preparation of ground with charcoal, sand & salt, connecting the 25 x 3 mm thick copper lead in strip (upto 10 mts length) by bolting and brazing to the copper plate complete with Brass bolt of suitable length double nuts & washer including supply & fixing of 40mm dia 2.3Mts long partly perforated G.I. Pipe with funnel for watering arrangement. NB: The Copper plate to be buried under 3.3 Mts depth from ground level, including CI Pit 300 x 300 mm with necessary brick-wall (For UPS Earthing)	set	1		
8.2	Spike Earthing with GI Electrode 3 m Long x 50 mm dia (Class- B) including accessories and providing masonry enclosure with cover 300 x 300 mm plate having locking arrangement and watering funnel etc with charcoal, sand & salt at alternate layer as required for electrical panel earthing	no	1		
8.3	Supply laying 2 x 8 SWG copper bare wire from earth spike to main panel (Electrolyte wire)	m	40.00		
8.4	Supply and fixing of earth bus bar of 25 mm (W) x 3 mm (Thk) x 200 mm (L) complete with brass nut bolt washer- 4 nos and bus insulator	no	2		
8.5	Supply and fixing of earth bus bar of 25 mm (W) x 3 mm (Thk) x 200 mm (L) complete with 1 x 16 mmsq insulated copper wire from earth spike to UPS earth bus bar through PVC rigid 20 mm dia ISI mark	m	20.00		
9 OUT DOOR TYPE GLOW SIGN BOARD WIRING					
9.1	Supply, laying of Main line with 2 x 2.5 + 1 x 1.5 mmsq through PVC conduit from main panel to Glow Sign Board	m	10.00		
9.2	Supply installation of 16 Amp DP MCB at Main Entrance Glow Sign Board complete with Timmer & contractor (2 no + 2 NC) 24 Hrs in original housing	set	1		
10 AC ELECTRIFICATION					
10.1	Supply laying & connection of AC Line for 1.5 TR AC window/ split with 2 x 4 + 1 x 2.5 mmsq through 16 SWG PVC conduit with ISI Mark; rest same item no 1	m	25.00		
10.3	Supply & fixing of AC 18- 25 Amp Starter complete with 25 Amp socket in Modular type box. (North- West make) for window unit; For split unit plug socket to be fixed near cooling unit & starter at 3.5 Ft from floor	no	4		

**REFURBISHING OF PROPOSED NEW BRANCH INCLUDING ATM FOR UCO BANK AT
HRIDAYPUR GP, CHAPRA, NADIA, PO: SUTIA, WEST BENGAL- 741 103**

ELECTRICAL WORKS FOR BANKING AREA

SI No	Description of Items	Unit	Quantity	Rate	Amount
11	MAIN INCOMING SWITCH FUSE UNIT				
	Supply & fixing of 63 Amp TPN HRC type SFU at SEB for Main incoming on MS angle, frame & 02 nos Cable End Box including connection; L& T make for main Incoming end	no	2		

TOTAL

Less: DISCOUNT IF ANY

SUB TOTAL

Add: GST @ 18%

GRAND TOTAL FOR ELECTRICAL WORKS FOR BANKING AREA

REFURBISHING OF PROPOSED NEW BRANCH INCLUDING ATM FOR UCO BANK AT HRIDAYPUR GP, CHAPRA, NADIA, PO: SUTIA, WEST BENGAL- 741 103

ELECTRICAL WORKS FOR ATM AREA

SI No	Description of Items	Unit	Quantity	Rate	Amount
1	LIGHT POINT WIRING				
	Supply, Laying, Connection & Testing of Light, Fan Point, wiring by 2 x 1.5 mmsq (2 x 3/ 0.029) + 1 x 1 mmsq PVC insulated copper flexible wire maintaining the colour code as per direction in PVC conduit of 20 mm with ISI mark 1.5 PVC wall thk. to conceal in wall partition mending good the damage, complete with PVC circular box, bend to be done as per drawing including 3 point ceiling rose where ever required. GI saddle to be used for fixing, PVC conduit/ flexible pipe may use if required in partition wall. All PVC pipes should be with ISI mark. No joints will be allowed inside pipe. Light, fan & plug point complete with modular type switch plate & MS box including the main circuit line 2 x 2.5 mmsq + 1 x 1.5 mmsq earth PVC insulated Cu Wire, maintaining the colour code. Circuit line for lighting switch board, 6 Amps plug board are to be drawn from lighting DB to Lighting board & 6A plug point board, 6/ 16 Amps plug point line are to be drawn from power DB. 3Nos lighting board/ 03 Nos. 6 Amps plug are to be connected from one circuit & 02 Nos. 6/ 16 plug to be connected from one circuit (Lighting S Board height- 32" from floor)				
1.1	Lighting Point complete with Modular type switch, plate, MS conceal box				
1.1.1	Point- 1 Light point control by 6A switch	no	2		
1.1.2	Point- 2 Light point control by 01 switch	no	2		
2	RAW POWER WIRING				
2.1	Socket point wiring with 6 amps 5 pin with controlling switch on board	no	2		
2.2	Providing & fixing ATM MACHINE Points with 4 Nos. 16 Amp sockets. & 4 Nos. 16 AMP Switch complete with all necessary accessories	no	2		
2.3	Supply, Laying of Circuit line 2x 2.5 mm sq + 1 x 1 mm sq VC insulated copper wire form LDB to 6/16A or 6Amps Plug point. Also note that 03 Nos 06 amps Plug to be connected from one circuit line	m	25.00		
3	ELECTRICAL FIXTURES				
3.1	Supply Installation, testing & commissioning of 595 x 595 mm 36 W 5700 K high spec base LED Panel Lights of CRCA housing of approved make (PBLM21368) to hang from true ceiling by 25 x 3 mm MS flat with nuts and bolt as required	no	2		

REFURBISHING OF PROPOSED NEW BRANCH INCLUDING ATM FOR UCO BANK AT HRIDAYPUR GP, CHAPRA, NADIA, PO: SUTIA, WEST BENGAL- 741 103

ELECTRICAL WORKS FOR ATM AREA

SI No	Description of Items	Unit	Quantity	Rate	Amount
3.2	Supply, installation, testing & commissioning of 15W/ 18W 3000- 6500 K 139- 169 mm dia LED Recessed Down Light comprising of casted Al housing with SS springs for recessed mounting arrangements of approved make. (PDLM26153-158)	no	6		
3.3	Supply, installation, testing & commissioning of 4'-0" long 22 W 5700 K Commercial Batten Light comprising of extruded Al housing with PC Diffuser, PC endcaps & spring steel clamps for surface mounting arrangement of approved make. (PBTM17228)	no	1		
4	UPS WIRING				
	Supply fixing & connection of UPS circuit line with 2x2.5+1x1.5mmsq through pvc conduite 20mmdia 16 SWG wall thickness, with ISI mark, to lay from UPS MCB DB to plug point board. Two nos separate circuit to be drawn	m	12.00		
	Providing & fixing Raw Power Point includes 2x6/16, 6pin socket with 2 nos 16A switch to provide behind ATM at 12" ht. from FFL.to be connected from UPS power	set	1		
5	SUPPLYING & LAYING OF CABLE				
5.1	supplying & Laying of above cable with 2 nos 10 SWG CU earth on wall/column including supply & fixing of MS clamps/ galvanised bar saddles @ 300 mm apart, as required making holes and mending good damages				
	Main panel to TPN Lighting DB 4 core 16 Sq mm	m	5.00		
5.2	Supplying & fixing of compression type brass cable gland along with rubber rings for dust and moisture proof entry of following 1.1 KV grade aluminium conductor PVC insulated & PVC sheathed armoured cable and finishing the end by crimping method including supply and fixing of "Dowell" make solderl-ess socket, tapes and jointing materials as required to be completed in all respect				
	Main panel to TPN Lighting DB 4 core 16 Sq mm	no	1		
6	MAIN DISTRIBUTION BOX'S				
6.1	Supplying and fixing 5 to 20-A range 3ph 4 wire KWH Meter in ATM including fitting fixing connection with all accessories	no	1		
6.2	150 x 100 mm enamel Danger board 440 volt; One board to fixed on DB	no	4		
6.3	Supply, fixing and connection of 63 A, 4-pole C/O switch only for light run from generator set including all necessary aluminium Lugs cable, tape all complete and testing	no	1		
6.4	Air Condition DB				

REFURBISHING OF PROPOSED NEW BRANCH INCLUDING ATM FOR UCO BANK AT HRIDAYPUR GP, CHAPRA, NADIA, PO: SUTIA, WEST BENGAL- 741 103

ELECTRICAL WORKS FOR ATM AREA

SI No	Description of Items	Unit	Quantity	Rate	Amount
	4 way TPN MCB DB complete with busbar and the following MCBs/ RCB0 Incoming: 1 no: 415V 63A 4P MCB 10KA Outgoing : 6 Nos 240V 10A SP MCB 6 Nos. 240V 20-A SP MCB 1 no : Cable entry box	set	1		
7	GLOW SIGN BOARD WIRING				
7.1	Supply, laying of Main line with 2 x 2.5 + 1 x 1.5 mmsq through PVC conduit from main panel to Glow Sign Board	m	10.00		
7.2	Supply installation of 16 Amp DP MCB at Main Entrance Glow Sign Board complete with Timmer & contractor (2 no + 2 NC) 24 Hrs in original housing	set	1		
8	AC ELECTRIFICATION				
8.1	Supply laying & connection of AC Line for 1.5 TR AC window/ split with 2 x 4 + 1 x 2.5 mmsq through 16 SWG PVC conduit with ISI Mark; rest same item no 1	m	12.00		
8.2	Supply & fixing of AC 18- 25 Amp Starter complete with 25 Amp socket in Modular type box. (North- West make) for window unit; For split unit plug socket to be fixed near cooling unit & starter at 3.5 Ft from floor	no	1		
8.3	Supply installation of 16 amps DP MCB at main entrance Glow sign board complete with timer & contractor (2NO + 2NC) 24 Hrs in orginal housing	no	1		
TOTAL					
Less: DISCOUNT IF ANY					
SUB TOTAL					
Add: GST @ 18%					
GRAND TOTAL FOR ELECTRICAL WORKS FOR ATM AREA					

REFURBISHING OF PROPOSED NEW BRANCH INCLUDING ATM FOR UCO BANK AT HRIDAYPUR GP, CHAPRA, NADIA, PO: SUTIA, WEST BENGAL- 741 103

DATA CABLING WORKS

SI No	Description of Items	Unit	Quantity	Rate	Amount
1	9 u rack Digi Link/ Lucent/ HCL make supply & installation type Cat 6 PDU- box 1 no., Fan set complete unit.	no	1		
2	Digi Link/ Lucent/ HCL make Patch panel Unit Supply and Installation of Cat 6, 24 ports Gigabit 10/100/1000 Rack mountable Unmanged Switch	no	1		
3	Digi Link/ Lucent/ HCL make Patch Cord Cat 6 face plate- 2 port including mounting box for each workstation.	no	10		
4	Supply & Laying of Cat 6 cables 4 Core through pr-laid rigid PVC conduit from server to computer data socket including interconnection mending good, etc. as required (Digi Link/ Lucent/ HCL make)	m	150.00		
5	Digi Link/ Lucent/ HCL make Single Ported RJ 45 IO BOX	no	10		
6	Supply & fixing of 1.0 m Patch Cord	no	10		

TOTAL

Less: DISCOUNT IF ANY

SUB TOTAL

Add: GST @ 18%

GRAND TOTAL FOR LAN WORKS