

S.No.	Item	Quantity	Units	Rate	Amount
	SUB HEAD 1 (COMPUTER POINTS AND DISTRIBUTION)				
1	Supply all materials, receiving, storing, handling, fixing and laying 3 x 2.5 sq.mm PVC insulated copper conductor armoured cable and fixing of cable on wall with suitable size of clamps/saddles or laid in floor or recessed wall including cutting of floor/wall for computer points with suitable size GI Box with modular plate and cover in front including providing and fixing 3 no. 5/6 amp 5 pin modular sockets controlled by 1 no. 10Amp switch with indicator, connection end terminations with suitable size of glands etc. complete as required. (Only two points can be connected in series with single cable)	#REF!	Each		
	4 points for BM Cabin , 2 points for Networking Equipment's in Banking Hall and 2 per SWC				
2	As per item 1 above but with 2 no. 16 amp 5 pin modular sockets controlled by 1 no. 16 amp modular switch and 6 amp indicator Lamp including the cover plate.	2.00	Each		
	2 point to be provided in Banking Hall behind SWC Room and 4 points for ATM				
3	Circuit Wiring:				
	Circuit wiring from the MCB/MCCB from the Distribution Board to the Switch Board with 2 x 2.5 sq.mm + 1-1.5 sq.mm copper conductor (FR) in PVC Conduit concealed/open and making good the damaged surfaces as per direction of the Engineer-in-charge. including the cost of the PVC conduit 2mm thick. At least 7 points of Point Wiring shall required to be connected with single circuit and atleast 2-heating/power points with single circuit. { Avg Run of 15 meter }				
4	Point Wiring: (This includes circuit wiring as mentioned in 4 (a))				
	Wiring for light point / ceiling Fan point / exhaust fan point with 1.5sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit ISI mark, with 6Amp modular switch, modular plate, suitable GI junction & switch boxes & clip and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core etc. as required. (WiresMake: HAVELLS/ RR KABLES / KEI / FINOLEX) (SWITCHES : MAKE ANCHOR / CRABTREE / NORTH-WEST / MK)				
	(Rate includes 3 x 2.5 sq.mm FRLS copper conductor , sinle core cable in PVC conduit for circuit/sub main wiring along with earth wire)				
(a)	Single 6 Amp Swirch controlling 1 light point for T-5 , Exhaust Fan, Ceiling Fan and other separate room supply only	35.00	no.		
(b)	single 6Amp Switch controlling 4 no downlights / 4 no LED downlights / 2no 2'-0" x 2'-0" 36 watt light fittings.	45.00	no.		
(c)	single 6Amp socket controlling by 5Amp Modular switch in switch boards etc complete as required.	12.00	no.		
	2 - 36watt LED /or 4 - 15 watt LED / 1 exhaust fan /1 ceiling fan to be provided per point				
(d)	Supply and Installation of Points for Wiring for power plug point (heating point) 16A with 2 x 2.5 sq.mm + 1 x 1.5sq.mm copper conductors , including the modular switches, sockets and plates. Including the cost of 2mm thick PVC conduits.	21.00	Each		
5	Extension of wall fans:				
	Extension of existing points with 2x1.5 sq.mm. PVC insulated copper conductor cable in suitable dia MS conduit in recess conduit wiring system for wall fan points with modular switches of 6 amp and 5 amp 5 pin modular sockets as per requirement and filling chassis etc complete as reqd.	24.00	no.		
6	Providing & laying following sizes of PVC insulated copper conductor cable of 1100 V in flexible/PVC conduit with accessories such as glands. bends etc.(as per requirement) including making necessary Inter connection etc complete as reqd.				
	2 x 6 sq.mm with 1 no. suitable PVC insulated earth wire	30.00	mtr.		

S.No.	Item	Quantity	Units	Rate	Amount
7	Supply Installation, testing & commissioning of factory fabricated distribution board rust inhibited, powder coated Sheet sheet fabricated comprising of incoming & outgoing isolator & MCB's neutral link or neutral bus, top and bottom detachable entry earthing bolts Interconnection and grouting bolts etc complete as require as per details below:-				
a)	8 way MCBDB comprising of 1 no. 63 amp DPMCB "C"Series and 6 no. 6/10amp SPMCB's "C" SERIES. (for the UPS points each DB to be connected to 12 UPS points i.e only two points shall be connected with one MCB)/ L&T DBSPN008DD / OR EQUAVILANT	3.00	each		
b)	6 way MCBDB comprising of 1 no. 63 amp DPMCB "C"Series and 4 no. 6/10amp SPMCB's "C" SERIES. (for the UPS points each DB to be connected to 12 UPS points i.e only two points shall be connected with one MCB)/ L&T DBSPN006DD / OR EQUAVILANT	1.00	each		
c)	6 way TPDB comprising of 1 no. 100 amp 4 pole ISOLATOR and 6no. 32 amp DPMCB (for Ac's). To be fixed in Banking Hall. DPMCB must be of C Series./ L&T DBTPN004DD / OR EQUAVILANT	4.00	Each		
d)	4 way TPDB comprising of 1 no. 63 Ampere TPNMCB C series and 12 nos. 16-20 amp SPMCB C Series. (For Heating Points)/L&T DBTPN004DD / OR EQUAVILANT	2.00	Each		
e)	4 way DB comprising of 1 no. 63 amp 4 pole MCB (for UPS I/C) with Acrylic Window./L&T DBSPN004GD / OR EQUAVILANT	1.00	Each		
f)	4 way DB comprising of 2 no. 63 amp DPMCB (for UPS) "C " Series with Acrylic Window.L&T DBSPN004GD / OR EQUAVILANT	2.00	Each		
g)	4 way TPDB comprising of 1 no. 63 Ampere TPNMCB C series and 12 nos. 6/10 amp SPMCB C Series. (For the lighting circuit)/ L&T DBTPN004DD / OR EQUAVILANT	2.00	each		
8	Supply, fixing and testing of following 3 pin metal clad industrial type plug & socket arrangement with plug top cap & chain controlled by 1 No. MCB				
a)	20/25 amp with 20/25 amp SPMCB (one for making the plug socket arrangement for the record room so that the supply is connected only when the plug is inserted in the socket outside the record room for fire safety) L&T DBMPS220SD OR EQUAVILANT	20.00	no.		
b)	32 amp with 32 amp SPMCB	3.00	no.		
9	Providing & fixing suitable size of MS box fabricated with 16 S.W.G.M.S. sheet either In recess wall or on surface to accommodate dedicated earth from earth electrode and further distribution of earth to computer points including providing 5mm backalite sheet on base connector strip and painting of box etc complete as reqd.	1.00	job		
	TOTAL SUB-HEAD -1				
	SUB HEAD 2(PANELS & CABLES)				
1	Providing & fixing 3 No.250 amp kit-kats (fuse carrier & base) with 1 no. neutral link on suitable size of backalite sheet of thickness not less than 6 mm etc. complete as reqd.	1.00	job		
	MAIN PANEL				
2a)	Supply at site installation, testing & commissioning of panel fabricated with 16 S.W.G.M.S. sheet. The panel shall be free standing type totally enclosed dust & vermin proof construction with rubber gaskets. The floor mounting panel shall have ISMC mounting channels, G.1. earth bus bar, bus bar chamber cable alleys interconnections with solid bar/PVC insulated copper conductor as per requirement, and suitable supports of bus bars. The panel shall be painted with 2 coats of enamel paint (grey shade)over the primer and shall also be provided with designation of incoming & outgoing feeder as per details below-				
	INCOMING				
	1 no MCCB Breaking Capacity 36 KA 250 Amp 4P .				

S.No.	Item	Quantity	Units	Rate	Amount
	1 no 0 -500V digital Voltmeter in separate compartment and digital Amp meter and one set of CTs (3 Nos) with CT Ratio 400/5 A with LED type phase Indication Lamps with protection fuses in a separate compartment				
	400 Amps capacity 4 strips Aluminium bus bars.				
	OUTGOING				
	1 nos MCCB Breaking Capacity 35 KA 160 Amp 3P(TO EMERGENCY PANEL INPUT) and 2 nos MCCB Breaking Capacity 10 KA 100 Amp 3P (1 NO. TO POWER DB, 1 NO. TO ACDB)with seprate neutral Link, DU Series, L&T make & 2 No. MCCB Breaking Capacity 10 KA 63 Amp 3P (SPARE)	1.00	set		
	EMERGENCY PANEL (ON DG SUPPLY): Supply at site installation testing and commissioning of panel fabricated with 16 G MS sheet. The panel shall be free standing type totally enclosed dust and vermin proof construction with rubber gaskets. The floor mounting panel shall have ISMC mounting channels, GI earth busbar, busbar chamber ,cable alleys interconnection with solid bar/PVC insulated copper conductor as per requirement, and suitable supports of busbars. The panel shall be painted with two coats of enamel paint (Grey shade) over primer and shall also be provided with designation of Incoming and outgoing feeder as details below:				
	INCOMING :				
2 b)	1 no MCCB Breaking Capacity 35 KA 160 Amp 3P , Model DU250 Series, L&T make				
	1 no 0 -500V digital Voltmeter in separate compartment and digital Amp meter and one set of CTs (3 Nos) with CT Ratio 300/5 A with LED type phase Indication Lamps with protection fuses in a separate compartment				
	300 Amps capacity 4 strips Aluminium bus bars				
	OUTGOING :				
	2 nos MCCB Breaking Capacity 10 KA 100 Amp 3P (1NO. TO UPS INPUT, 1NO. TO ATM DB) and 3 nos MCCB Breaking Capacity 10 KA 63 Amp 3P (1 NO. TO AC DB, 1 NO. TO LDB, 1 SPARE) with seprate neutral Link, DU Series, L&T make.	1.00	set		
3	Supply, installation, testing & commissioning of PVC insulated PVC sheathed armored cable of 1100 V (IS-1554 part I) and fixing of cable on wall with suitable size of clamps/ saddles or laid in floor/recess wall including cutting of floor/wall and making good the damages etc. complete as reed. of following sizes:-				
a)	3.5 x 95 sq.mm. aluminium conductor with 2 no. 8S.WG.G.1. wire (from the Meter to the Main panel)(from the Genset to the Change over and from change over to the essential panel, from the main panel to the essential panel.)	50.00	per mtr.		
b)	3 x 2.5 sq.mm. copper conductor (for the Air-conditioning wiring) ARMORD	100.00	per mtr.		
c)	3.5 x 25 sq.mm. aluminium conductor with 2 no. 8S.WG.G.1. wire (from the main panel/essential panel to the AC DB and the Heating DB and from the Essential Panel to UPS I/C)	200.00	per mtr.		
e)	3 x 6 sq.mm copper conductor (for UPS DB)	50.00	per mtr.		
4	End termination with Brass compression glands including providing lugs/ferruls and making necessary connections etc. complete as reqd. of following sizes:-				
a)	3.5 x 95 sq.mm. aluminium conductor	10.00	each		
b)	3 x 2.5 sq.mm. copper conductor	20.00	each		
c)	3.5 x 25 sq.mm. aluminium conductor with 2 no. 8S.WG.G.1. wire	25.00	each		
d)	4 x 10sq.mm. aluminium conductor	8.00	each		
e)	3 x 6 sq.mm copper conductor	6.00	each		

S.No.	Item	Quantity	Units	Rate	Amount
5	Providing & fixing suitable size of angle iron frame suitable for installation on wall/floor including grouting of frame & painting etc. complete as reqd. comprising of the following:				
a)	1 NO.4 pole 200 amp capacity changeover switch of L&T make or Equavilant	1.00	job		
6	Providing & fixing 16 S.W.G. M.S. Sheet adapter box, and also base frame for installation of M.C.B. D.B.'s plug & socket arrangement and to cover cables in system room including painting etc. complete	1.00	sqmt.		
	TOTAL SUB -HEAD 2				
	SUB-HEAD 3 (EARTHING)				
1.1	Supply & fix copper plate earth station with 600x600x3mm thick copper plate including all accessories such as watering pipe & funnel and providing masonry enclosure at top with cover plate i/c excavation of pit supplying & filling of salt charcoal, refilling of pit etc complete as reqd as per IS 3043-1987. The voltage between neutral & earth must be below 1 volt, with signage board	1.00	set		
1.2	Supply & fix G.I. plate earth station with 600x600x6mm thick G.I. plate including all accessories such as watering pipe & funnel and providing masonry enclosure at top with cover plate i/c excavation of pit, supplying & filling of charcoal, refilling of pit etc complete as reqd as per IS 3043-1987 (for the neutral earthing from the point of neutral link beside the fuse connection and second for the body earthing connected to both panel body and the ups base panel) with signage board	2.00	set		
	NOTE: chamber for the earthing shall be available at site without it the earthing cost shall not be paid for all the Earthing You are also required to provide picture of earthing taken at the time of execution of the same.				
2	Supplying and laying 20 mm X 3 mm copper strip at 0.50 meter below ground as strip earth electrode, including connection/ terminating with nut, bolt, spring, washer etc. as required	5.00	mtr.		
	Supplying, fixing & termination of 20 mm X 3 mm GI strip with earth station below ground level and on wall saddle etc complete as reqd.	10.00	mtr.		
3.1	Providing & fixing 8 S.W.G G.I. Cu earth wire on surface or in recess for loop earthing etc. as reqd.	60.00	mtr.		
3.2	Providing & fixing 8 S.W.G G.I. earth wire on surface or in recess for loop earthing etc. as reqd.	100.00	mtr.		
4	Supply & laying following dia 2 mm in thickness PVC pipe under floor or in recessed walls from earth electrode to UPS room for computer dedicated earthing, for data cabling, electrical cabling etc. including providing 1 no. G.I. pull wire for data cabling making good the damages etc. wherever reqd.				
a)	25mm	60.00	mtr.		
	TOTAL SUB-HEAD -3				
	SUB HEAD 4 (NETWORKING)				
1	Wiring for computer networking starting from mounting rack with UTP CAT-6 cable in 2 mm thick 25mm dia ISI mark PVC conduit with accessories such as bends, junction boxes including providing and fixing I/O plates and SMB complete with all networking accessories etc complete as reqd.	35.00	no.		
2	Installation, testing and commissioning of 24-port unmanaged switch 10/100 full duplex complete as reqd. (to be supplied by the bank)	2.00	no.		
3	Supply, installation, testing and commissioning of 24-port Patch Panel	2.00	no.		
4	Supply installation. testing and commissioning of mounted rack 15" height made of powder coated MS sheet.	2.00	no.		
5	Supply, fixing and commissioning of patch cable Cat-6 complete with 2 no. connectors etc. complete as reqd.				
a)	1m long	35.00	no.		
b)	2m long	18.00	no.		

S.No.	Item	Quantity	Units	Rate	Amount
	Supply, fixing and commissioning of cable Cat-6 complete with 2 no. connectors or as required etc. complete as reqd including upvc 19mm dia. pipe conduit of heavy duty.				
c)	50mm	100.00	mtr.		
6	Wiring for telephone points with 0.6 mm dia 2 pair insulated annealed tinned electrolatic copper conductor in 2 mm thick 25 mm dia ISI marked PVC conduit complete with accessories such as bends, junction boxes etc. with suitable size of G.I. box modular plate and cover in front on surface or in recess including providing and fixing modular type telephone socket outlet and making necessary connections etc. complete as reqd.	20.00	no.		
7	Supply, fixing and commissioning of 20 pair tag block for telephone points. (box and strips Krone make)	1.00	no.		
TOTAL SUB -HEAD 4					
SUB-HEAD 5 (AIR CONDITIONING PIPING WORK)					
1	Supplying & Laying of following COPPER REFRIGERANT PIPING Thickness 22 SWG For Hi-wall Split AC complete with fittings Suction / Discharge line insulated with 12 mm SUPERLON / ARMAFLEX suction line. Multi-runs between Indoor & Outdoor units shall be considered as ONE length for the purpose of measurement.				
	1/4" + 1/2" Refrigerant piping - For Hi wall Split AC's	250.00	per mtr.		
2	Supply and laying following dia 3.38mm (confirming to ASTM D1785 standard) in thickness, heavy duty PVC pipe under floor or recessed in walls for AC drains, { To nearest To including bends, Tees etc as required complete in all respect	200.00	per mtr.		
3	Electrical flexible cable of 3 x 2.5sq.mm FRLS Cu cable multi strand suitable for 2 Tr H.W Split & 1.5 Tr H.W Split. Multi-runs between Indoor & Outdoor units shall be considered as ONE length for the purpose of measurement.	300.00	per mtr.		
4	Charges for keeping the office/Branch operational with temporary connections of UPS, Data Cabling, Telephone, Raw Power, Supply to lights, Fans etc. as per requirements of office during the renovation period. The job also includes removal of old wiring, electrical fixtures and existing DBs.	1.00	Lot		
TOTAL SUB-HEAD 5					
SUB HEAD 6 (INSTALLATION OF FANS AND FIXTURES.					
1	Installation of 36 watt. LED fitting crompton greaves (or equivalent) LCTLR-36-FD-CDL complete as required. (including the cost of earthing connection)	39.00	no.		
2	Installation of 15 watt. LED fitting crompton greaves (or equivalent) LCDD-15-CDL complete as required	63.00	no.		
3	Installation, testing and commissioning of wall fans including making necessary arrangement for fixing on wall complete as reqd.	24.00	no.		
4	Installation, testing and commissioning of T5 fixtures directly on ceiling / wall including making necessary connections with suitable size of PVC insulated copper conductor wire etc. complete as reqd.	4.00	no.		
6	Installation, testing and commissioning of exhaust fans including making connection with adjacent point etc. complete as reqd.	6.00	no.		
7	Installation, testing and commissioning of 15" exhaust fans including making connection with adjacent point etc. complete as reqd.	2.00	no.		
TOTAL SUB-HEAD 6					
SUB HEAD 7 (SUPPLY OF FANS & FIXTURES)					
1	Supply of 36 watt. LED fitting crompton greaves (or equivalent) LCTLRN-36-FO-CDL complete as required	39.00	no.		
2	Supply of 15 watt. LED fitting crompton greaves (or equivalent) LSDRMN-15 W-CDL complete as required	63.00	no.		

S.No.	Item	Quantity	Units	Rate	Amount
3	SITC of 450 mm sweep metal body and metal blades crompton greaves or equivalent SDX BLACK GOLD wall fan etc.1325 sqm high flow complete as reqd. (M/s Crompton or equivalent of USHA/ Bajaj/ ORIENT TORNADO WALL II)	24.00	no.		
4	4.5/5 Watt LED strip light for cove with Driver (M/s. Philips Wipro / Bajaj) Complete in all respects required shade warm white/ blue as per requirement.	160.00	MTR.		
5	Supply of following Batten type LED fittings complete as reqd.				
a)	LED fitting 18 watt LCTL-18-CDL OF CROMPTON OR EQUIVALENT OF	4.00	no.		
7	Supply of 250 mm (sweep) exhaust fans complete with self opening louvers/shutters etc. complete as reqd. (M/s Crompton cross air or equivalent of USHA / Bajaj)	6.00	no.		
8	Supply of 15" industrial metal Exhaust Fan with cover of luvvers etc.complete as reqd. (Crompton,USHA/BAJAJ or equivalent).	2.00	no.		
	TOTAL SUB - HEAD 7				
	TOTAL SUB-HEAD-1				
	TOTAL SUB-HEAD-2				
	TOTAL SUB-HEAD-3				
	TOTAL SUB-HEAD-4				
	TOTAL SUB-HEAD-5				
	TOTAL SUB-HEAD-6				
	TOTAL SUB-HEAD-7				
	TOTAL COST OF ELECTRICAL WORKS (1 TO 7)				
	DISCOUNT IF ANY				
	NET COST OF ELECTRICAL WORKS				
	Add GST @ 18% on Total as applicable				

NOTE:

1. The vendor have to provide LAN diagram after completion of the work along with the bill, without it payment will not be made.
2. The vendor will dismantle all old wiring, old electrical fixtures and electrical appliances.

IN WORDS (RS)

SIGNATURE OF CONTRACTOR

NAME OF CONTRACTOR

ADDRESS OF CONTRACTOR