PRICE BID FOR ELECTRICAL WORKS OF STATE BANK OF INDIA, BHATTU KALAN BRANCH HARYANA

BILL OF QUANTITIES (ELECTRICAL INSTALLATION)

S. No.	Item	Quantity	Units	Rate	Amount
	SUB HEAD 1 (COMPUTER POINTS AND DISTRIBUTION)				
1.1	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 amp 5 pin				
	modular sockets controlled by 1 no. 5 Amp switch with indicator (to be provided above the table		each		
	top in partition) connection end terminations with suitable size of glands etc. complete as				
	required. (Only two points can be connected in series with single cable)				
	(Make: Anchor/Crabtree/North West/ REO)				
	4 points for CM Cabin, 2 points per officer Seat, per Counter, per N/W Rack and for				
	Meeting Room as per the drawing provided.				
1.2	As per item 1 above but with 2 no. 15 amp 3 pin modular sockets controlled by 1 no. 15 amp	3.00	each		
	modular switch with indicator including the cover plate(For A.T.M Requirement)		cacii		
2	As per item 1 above but with 1 no. 5 amp 5 pin modular sockets controlled by 1 no. 5 amp				
	modular switch including the cover plate(For T.V on Pillars/ Machines / As per RBO	4.00	each		
<u> </u>	Requirement)				
3	Providing and fixing, testing and commissioning of Heavy Duty modular air-conditioning plug &				
	socket arrangement:				
3.1	25 amp air-conditioning point modular type socket { to be fixed 1.5 foot below false ceiling }	12.00	each		
J.1	with 25 amp DPMCB C SERIES { to be fixed at Normal Height }.				
	As per the Plan provided by the Architect for Split A.C.				
	Circuit Wiring and Point Wiring				
5.1	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 (FRLS) in PVC Conduit concealed/open and making good	10.00			
	the damaged surfaces as per direction of the Engineer-in-charge. including the cost of the PVC	12.00	Each		
	conduit 2mm thick. At least 9 points of Point Wiring shall required to be connected with				
5.2	Wiring for light point/ ceiling fan point/ exhaust fan point with 1.5 sq.mm FRLS PVC insulated				
3.2	copper conductor single core cable in surface / recessed medium class PVC conduit ISI Mark, with				
	6 Amp 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 cable etc. as required.				
	(Wires Make: Havells/ RR Kable / KEI/Finolex) (Switches: Make: Anchor/Crabtree/North-				
a)	Single 6 Amp Switch controlling 1 light point for T-5, exhaust Fans, Ceiling fan and other seprate				
(a)	room supply only	40.00	no.		
b)	Single 6 Amp Switch controlling 4 no. downlights / 4 no. LED downlight / 2 no. 2'- 0"x 2'-0" 36	40.00			
′	watt light fittings	40.00	no.		
c)	Single 6 Amp Socket controlling by 5 Amp Modular switch in switch boards etc complete as	10.00			
	required	10.00	no.		
	Extension of wall fans:				
d)	Extension of points with 2 x 1.5 sq.mm. FRLS copper wire + earth wire in suitable dia MS conduit				
"/	in recess conduit wiring system for wall fan points with modular switches of 6 amp {to be fixed at		no.		
	Normal Height and 5 amp 5 pin modular sockets { to be fixed 1.5 foot below false ceiling } as		110.		
	1011 1 1 1 1				
6	Supply all material, storing, handling, fixing of Raw power points in suitable size of GI/PVC box				
	including providing 1 no. 15 amps 6 pin modular power sockets controlled by 1 no 15 A moduler				
	type switch and indicator with moduler cover plate etc complete as required including 2X2.5 sq.		each		
	mm FRLS copper wire + earth wire in dia 2 mm in thickness ISI Mark PVC pipe. (Switches:				
-	Make: Anchor/Crabtree/North-West/ MK) (Wires Make: Havells/ RR Kable / KEI				
<u> </u>	2 points for BM Cabin, 1 point per seat, 2 for Pantry as per the drawing provided.				
7	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.	07.0-			
	2 x 6 sq.mm with 1 no. suitable PVC insulated earth wire	25.00	mtr.		
8	Supply Installation, Testing & Commissioning of factory fabricated Double Door IP 43				
	distribution board rust inhibited, powder coated sheet fabricated comprising of incoming &				
	outgoing isolator & MCB's neutral link or neutral bus, top and bottom detachable entry earthing				
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		each		
	shall be connected with one MCB) (2 for GF + 1 for FF)				



S. No.	Item	Quantity	Units	Rate	Amount
c)	$4\ way\ TPNDB$ comprising of $1\ no.\ 100\ amp\ 4$ pole isolator and $4\ no.\ 32\ amp\ DPMCB\ $ and $4\ no.$				
	16 SPMCB FOR Raw Power Points (for A.Cs & Power Points). DPMCB must be of C Series. (2 for GF + 1 for FF + for ATM Room)	4.00	each		
e)	4 way TPNDB comprising of 1 no. 63 Ampere TPN MCB "C" Series with 30 mA ELCB and 12 nos. 6/10 amp SPMCB "C" Series. (For Light Point Circuits).	1.00	each		
f)	4 way DB comprising of 1 no. 100 amp 4 pole Isolator (for UPS I/C Branch & ATM)	2.00	each		
g)	4 way DB comprising of 2 no. 32 amp DPMCB "C" Series .(UPS O/P Branch)	3.00	each		
9	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 (Make: Havells/HPL/Standard/				
a)	Hager/Legrand/L&T) 20/25 amp with 20/25 amp SPMCB { UPS O/G 4 Branch & 2 ATM}	6.00	no.		
b)	32 amp with 32 amp SPMCB { UPS I/C 3 Branch & 3 ATM}	6.00	no.		
	Providing, fixing, testing and commissioning of 15 Amp Power Point modular type socket with 25 amp DPMCB C SERIES along with Plug or the rooms so that the supply is connected only when the plug is inserted in the socket outside the rooms for fire safety. {1 each for Record Rooms, Locker Room & Strong Room}	7.00	no.		
11	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. TOTAL SUB-HEAD -1	1.00	job		
	SUB HEAD 2 (PANELS & CABLES)				
1	Providing & fixing 3 No. 200 amp kitkats (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		
2	MAIN PANEL				
	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 & INCOMING				
a)	1 no MCCB Breaking Capacity 35 KA 250 Amp 4P, Model-DU250 Series, L&T make				
b)	1 no 0 -500V digital Voltmeter in separate compartment and digital Amp meter and one set of CTs (3 Nos) with CT Ratio 350/5 A with LED type phase Indication Lamps with protection fuses in a separate compartment				
c)	1 set of 300 Amps capacity 4 strips Aluminium bus bars chamber				
	OUTGOING				
a)	1 nos MCCB Breaking Capacity 25 KA 160 Amp 3P, 1 nos MCCB Breaking Capacity 100 Amp 3P, 1 nos MCCB Breaking Capacity 63 Amp 3P with seprate neutral Link, DU Series, L&T make (MCCR'S WITH 25KA RREAKING CAPACITY at 415 Volts.)	1.00	set		
	1 for A.C D.B on G.F				
3	ESSENTIAL PANEL 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 &				
	INCOMING				
a)	160 amp MCCB 4 pole with 35 KA breaking capacity at 415 Volts/ HIGHEST AVAILABLE.				
b) c)	1 set of 200 amp TPN aluminium busbar chamber 1 no. 0-500 V Voltmeter with selector switch in a separate compartment and amp meter with selector switch and one set of CTs (3 no.) with CT ratio 200/5 A with LED type indication lamps with protection fuses in a separate compartment OUTGOING				
a)	4 No. 100 AMP 3 pole MCCB , 3 No. 63 AMP 3 pole MCCB (MCCB'S WITH 25KA BREAKING CAPACITY at 415 Volts.) (For A.C D.B, UPS, Light & Power Points)	1.00	set		
	In Panel for All MCCBs connected the interconnections must be with solid Bus Bar only.				



4 Supply, installation, testing & commissioning of PVC insulated PVC sheathed amonotal cable of 1100 V (SL1554) and 11 and fixing of cable on wall with satisfable size of clamps' saddles or laid in Boorrecess wall including cutting of Boorread and making good the damages etc. complete as most of Editabinasis sizes. AMEA: ELECHETOR ACES Present. 3) 3.5 x 70 sq. mm aluminum conductors with two Nos. 8 SWG GI wire (from the mains to the Main Panell) b) 3.5 x 50 sq. mm aluminum conductor with two Nos. 8 SWG GI wire (from the genset to the Change Over.) 3) 3.5 x 50 sq. mm. aluminum conductor with 2 no. 8 S.W.G. GI. wire (from Main / Essential panel for the AC DBT / Fower D.B. & URS ICC) 3) 3.5 x 50 sq. mm. aluminum conductor with 2 no. 8 S.W.G. GI. wire (from the Essential panel to the AC DBT / Fower D.B. & URS ICC) 4) x 10 sq. mm. aluminum conductor with 1 no. 8 S.W.G. GI. wire (from the Essential panel to the Lighting Br. for ATM ITES ICC & WAY TIN ICC) 1) x 2.5 sq. mm. copper conductor (for URS DB) 2) End termination with Brass compression glands including providing lugs/ferruls and making inecessary connections etc. complete as reqd. of following sizes: 2.00 ceach 3) x 5 x 70 sq. mm aluminum conductor 4.00 eech 3.5 x 70 sq. mm aluminum conductor 4.00 eech 3.5 x 70 sq. mm aluminum conductor 5.00 eech 4.00 eech 5.00 eech 6.00 eee	S. No.	T4	0	TT:4	Data	A 4
100 V (15-1554 part I) and fixing of cable on wall with saitable size of clamps' saddles or laid in floor/recess wall including cutting of floor/wall and making good the damages etc. complete as each of fullwaint sizes. Make: Havelle RR Kahle: KEHEinabed?s.mon. 20.00 per mtr.			Quantity	Units	Rate	Amount
the correcess wall including cutting of floorwall and making good the damages etc. complete as load of following citizen. Makes: Hastell. EVE Exhable; EXERISIONED-Branch 1980. 3) 5. 5 70 sq. mm aluminum conductors amoured cable with two Nos. 8 SWG GI wire (from the mains to the Main Panel) 5) 3.5 x 50 sq.amm aluminum conductor with two Nos. 8 SWG GI wire (from the genset to the Change over and from change over to the essential panel, from the Meter to the fuse to the Change Over.) 3) 5. x 5 sq. mm. aluminium conductor with 2 no. 8 S.W.G. G.I. wire (from Main / Essential panel to the AC DB / Power D.B. & UPS IC) 3) x 6 sq. mm. aluminium conductor with 2 no. 8 S.W.G. G.I. wire (from the Essential panel to the Lighting DB, for ATM UPS IC & 4 MAY TYPN IC) 4) x 10 sq. mm. aluminium conductor with 1 no. 8 S.W.G. G.I. wire (from the Essential panel to the Lighting DB, for ATM UPS IC & 4 MAY TYPN IC) 5) x 2.5 sq. mm. comper conductor (for the Air-conditioning wiring) 5) End termination with Brass compression glands including providing lugsferruls and making necessary connections etc. complete as read. of following sizes: 10) 35 x 70 sq. mm aluminium conductor 10) 35 x 50 sq. mm aluminium conductor 11) 35 x 70 sq. mm aluminium conductor 12.00 each 13) 35 x 70 sq. mm aluminium conductor 14) 400 each 15) 35 x 70 sq. mm aluminium conductor 16) 4 x 10 sq. mm aluminium conductor 17) 4 x 10 sq. mm aluminium conductor 18) 5 x 70 sq. mm aluminium conductor 19) 4 x 10 sq. mm aluminium conductor 10) 3 x 8 sq. mm Copper conductor 11) 100 each 12) 100 each 11) 100 each	4					
and of Following sizes: A Makes Havelle PR Kahle / KEHERIAGE-Brawn 3.5.5 x 0 sq. mm aluminum conductors around cable with two Nos. 8 SWG Gl wire (from the guaset to the Change over and from change over to the essential panel, from the Meter to the fuse to the Change over and from change over to the essential panel, from the Meter to the fuse to the Change over and from change over to the essential panel, from the Meter to the fuse to the Change Over.) 3.5 x 25 sq.mm. aluminium conductor with 2 no. 8 SWG G.1. wire (from the inches to the Change Over.) 4.5 x 15 sq.mm. aluminium conductor With 1 no. 8 SWG. G.1. wire (from the Essential panel to the Lighting DB, for ATM UPS UC & 4 WAY TPN UC) 5. Inch termination with Brass compression glanchs including providing lugs/ferruls and making necessary connections etc. complete as read, of following sizes: 4.5 x 27 sq.mm. aluminium conductor 5. SX 57 sq.mm. aluminium conductor 6. 3. SX 57 sq.mm. aluminium conductor 7. SX 57 sq.mm. aluminium conductor 8. 800 each cach cach cach cach cach cach cach						
a) 3.5 x 70 sq. mm aluminum conductors amoured cable with two Nos. 8 SWG GI wire (from the mains to the Main Panel) b) 3.5 x 50 sq. mm aluminum conductor with two Nos. 8 SWG GI wire (from the geaset to the Change over or aff from change over to the essential panel, from the Meter to the fuse to the Change Over.) c) 3.5 x 25 sq. mm. aluminium conductor with 2 no. 8 SWG GI, wire (from Main / Essential panel to the AC DB / Power D. 8 & UPS I/C) d) 3 x to sq. mm copper conductor (for UPS DB) e) 4 x 10 sq. mm. aluminium conductor with 1 no. 8 S.W.G. G.I. wire (from the Essential panel to the Lighting DB, for ATM UPSI/C & 4 WAY TYN I/C) f) 3 x 2.5 sq. mm. compete conductor (for the Air-conditioning wiring) f) 1 sq. 2.5 sq. mm. compete conductor (for the Air-conditioning wiring) f) 2 under the conductor of the AC DB (sq. mm.) aluminium conductor with 1 no. 8 sq. mm. compete sea read, of following sizes: 10 3.5 X 70 sq. mm aluminium conductor 10 3.5 X 70 sq. mm aluminium conductor 11 3.5 X 70 sq. mm aluminium conductor 12 3.5 X 70 sq. mm aluminium conductor 13 3.5 X 70 sq. mm aluminium conductor 14 x 10 sq. mm aluminium conductor 15 x 10 sq. mm aluminium conductor 16 x 10 sq. mm aluminium conductor 17 x 10 sq. mm aluminium conductor 18 x 10 sq. mm aluminium conductor 19 x 10 sq. mm aluminium conductor 10 x 10 sq. mm aluminium conductor 10 x 10 sq. mm aluminium conductor 10 x 10 sq. mm aluminium conductor 11 x 10 sq. mm aluminium conductor 12 x 10 sq. mm aluminium conductor 19 x 10 sq. mm aluminium conductor 10 x 10 sq. mm aluminium conductor 10 x 10 sq. mm aluminium conductor 10 x 10 sq. mm aluminium conductor 11 x 10 sq. mm aluminium conductor 12 x 10 sq. mm aluminium conductor 15 x 10 sq. mm aluminium conductor 16 x 10 sq. mm aluminium conductor 17 x 10 sq. mm aluminium conductor 18 x 10 sq. mm aluminium conductor 19 x 10 sq. mm aluminium conductor 10 x 10 sq. mm aluminium condu						
mains to the Main Panel) b) 3.5 x 30 sq. mm aluminum conductor with two Nos. 8 SWG GI wire (from the genset to the Change over and from change over to the essential panel, from the Meter to the fuse to the Change Over.) c) 3.5 x 25 sq. mm. aluminum conductor with 2 no. 8 S.W.G G.I. wire (from Main / Essential panel to the AC DB / Power DB. & UPS VI.) d) 3 x 6 sq. mm copper conductor (for UPS DB) 1 x 10 sq. mm aluminum conductor with 1 no. 8 S.W.G G.I. wire (from the Essential panel to the Lighting DB, for ATM UPS IVE & 4 WAY TPN IVC.) 1 x 2.5 sq. mm. copper conductor (for tUPS DB) 2 End termination with Brass compression glands including providing lugs/ferruls and making necessary connections etc. complete as read. of following sizes: 2 2.00 cach 2 3.5 X 70 sq. mm aluminum conductor 3 3.5 X 70 sq. mm aluminum conductor 4 4.00 cach 3 3.5 X 70 sq. mm aluminum conductor 4 5.00 cach 4 X 10 sq. mm aluminum conductor 5 8.00 cach 6 7 x 10 sq. mm aluminum conductor 5 8.00 cach 6 0 cach 7 X 10 sq. mm aluminum conductor 7 8.00 cach 8 X 2.5 sq. mm Copper conductor 9 x 10 sq. mm aluminum conductor 10 x 2.5 sq. mm Copper conductor 11 x 2.00 cach 12 x 10 sq. mm aluminum conductor 11 x 2.00 cach 12 x 10 sq. mm aluminum conductor 12 x 10 sq. mm aluminum conductor 13 x 2.5 sq. mm Copper conductor 15 x 2.5 sq. mm Copper conductor 16 x 2.5 sq. mm Copper conductor 17 x 2.5 sq. mm Copper conductor 18 x 2.5 sq. mm Copper conductor 19 x 2.5 sq. mm Copper conductor 19 x 2.5 sq. mm Copper conductor 10 x 2.5 sq. mm Copper conductor 10 x 2.5 sq. mm Copper conductor 11 x 2.5 sq. mm Copper conductor 12 x 2.5 sq. mm Copper conductor 13 x 2.5 sq. mm Copper conductor 14 x 10 sq. mm aluminum conductor 15 x 2.5 sq. mm Copper conductor 16 x 2.5 sq. mm Copper conductor 17 x 2.5 sq. mm Copper conductor 18 x 2.5 sq. mm Copper conductor 19 x 2.5 sq. mm Copper conductor 19 x 2.5 sq. mm Copper conductor 10 x 2.5 sq	a)					
b) 5.5 x 50 sq.mm aluminum conductor with two Nox 8 NWG GI wire (from the geneta to the Change over and from change over to the essential panel, from the Meter to the fuse to the Change Over.)			50.00	per mtr.		
Change over and from change over to the essential panel, from the Meter to the fuse to the Change Over.) Change Over. Change Over.) Change Over. C	b)					
Change Over.) (Change Over.) (Change Over.) (D) 35 x 25 sq.mm. aluminium conductor with 2 no. 8 S.W.G. G.I. wire (from Main / Essential panel to the AC DB/ Power D.R. & CIPS I/C) (E) 3 x 6 sq.mm. copper conductor (for UE DB) (E) 4 x 10 sq.mm. aluminium conductor with 1 no. 8 S.W.G. G.I. wire (from the Essential panel to the Lighting DB. for ATM UIPS I/C & 44WAY TPN I/C) (D) 3 x 2.5 sq.mm. copper conductor (for the Air-conditioning wiring) End termination with Brass compression glands including providing lugs/ferruls and making necessary connection set. complete as read of following sizes: (E) 3 S X 70 sq.mm aluminum conductor (E) 3 S X 70 sq.mm aluminum conductor (E) 3 S X 25 sq.mm aluminum conductor (E) 3 S X 25 sq.mm aluminum conductor (E) 4 X 10 sq. mm copper conductor (E) 3 X 10 sq. mm copper conductor (E) 3 X 10 sq. mm copper conductor (E) 3 X 25 sq. mm summinum conductor (E) 4 X 10 sq. mm copper conductor (E) 3 X 25 sq. mm copper conductor (E) 4 X 10 sq. mm copper conductor (E) 5 X 25 sq. mm copper conductor (E) 6 Y Covidan of the sq. mm copper conductor (E) 6 Y Covidan of the sq. mm copper conductor (E) 6 Y Covidan of the sq. mm copper conductor (E) 6 Y Covidan of the sq. mm copper conductor (E) 6 Y Covidan of the sq. mm copper conductor (E) 7 Y Covidan of the sq. mm copper conductor (E) 8 Y Sq. to sq.	-/		80.00	per mtr.		
c) 5.5 x 25 sq.mm. aluminium conductor with 2 no. 8 S.W.G. G.I. wire (from Main / Essential panel to the AC DB / Power DB & CUS DB)				P		
panel to the AC DB / Power DB & UPS I/C) 3 3 x 2 symm copper conductor (for UPS DB) 1 x 10 sq.mm. adminism conductor with 1 no. 8 SW.G. G.1. wire (from the Essential panel to the Lighting DB, for ATM UPS I/C & 4 WAY TPN I/C) 1 3 x 2 symm. copper conductor (for the Air-conditioning wiring) 5 End termination with Brass compression glands including providing lugs/ferruls and making necessary connection set. complete as red, of following sizes: 2 2.00 each 3 3 S X 79 sq.mm adminimum conductor 4 3.00 each 3 3 S X 79 sq.mm adminimum conductor 4 1.00 each 3 3 S X 25 sq.mm adminimum conductor 4 X 10 sq. mm Copper conductor 4 X 10 sq. mm Copper conductor 5 2.00 each 4 X 10 sq. mm Copper conductor 6 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	c)					
d) 3.4 6.94 mm copper conductor (for UPS DB) e) 4.8 10 8,0mm administing conductor with 1.08 8.W.G. G.1. wire (from the Essential panel to the Lighting DB, for ATM UPS I/C & 4 WAY TPN I/C) f) 3.8 2.5 sq.mm. copper conductor (for the Air-conditioning wiring) f) 2 End termination with Brass compression glands including providing lugs/ferruls and making necessary connections etc. complete as read, of following sizes: 3.5 X.70 sq.mm aluminum conductor 4.00 each 2.5 3.5 X.25 sq.mm aluminum conductor 4.100 each 3.5 X.50 sq.mm aluminum conductor 4.100 each 4.10 sq. mm aluminum conductor 5.5 Y.50 sq.mm aluminum conductor 6.600 each 6.7 sq. mm Copper conductor 7.5 sq. mm Copper conductor 8.600 each 1.5 x.25 sq.mm aluminum conductor 1.5 year (from the Essential panel with a sq. mm aluminum conductor 1.5 year (from the Essential panel with a sq. mm aluminum conductor 1.5 year (from the Essential panel with a sq. mm aluminum conductor 1.5 year (from the Essential panel with a sq. mm aluminum conductor 1.5 year (from the Essential panel with a sq. mm aluminum conductor 1.5 year (from the Essential panel with a sq. mm aluminum conductor 1.5 year (from the Essential panel with a sq. mm aluminum conductor 1.5 year (from the Essential panel with a sq. mm aluminum conductor 1.5 year (from the Essential panel with a sq. mm aluminum conductor 1.5 year (from the Essential panel with a sq. mm aluminum conductor 1.5 year (from the Essential panel with a sq. mm aluminum conductor 1.5 year (from the Essential panel with a sq. mm aluminum conductor 1.5 year (from the Essential panel panel panel year (from the Essential panel panel panel panel year (from the Essential panel pan	-/	*	120.00	per mtr.		
e) 4x 10 sq.mm. aluminium conductor with 1 no. 8 S.W.G. G.1. wire (from the Essential panel to the Lighting DB. for ATM URS I/C & 4W XY TPN U/C.) f) 3 x 2.5 sq.mm. copper conductor (for the Air-conditioning wiring) 5 End termination with Brass compression glands including providing lugs/ferruls and making necessary connections etc. complete a reqd. of following sizes: a) 3.5 X 70 sq.mm aluminum conductor b) 3.5 X 50 sq.mm aluminum conductor c) 3.5 X 25 sq.mm aluminum conductor c) 4.00 each c) 3.5 X 25 sq.mm aluminum conductor e) 4 X 10 sq. mm Copper conductor e) 4 X 10 sq. mm aluminum conductor f) 3 X 2.5 sq.mm copper conductor e) 4 X 10 sq. mm aluminum conductor f) 3 X 2.5 sq.mm copper conductor f) 10 x 2.5 sq.mm copper conductor f) 2 x 2.0 sq.mm copper conductor f) 3 X 2.5 sq.mm copper conductor f) 4 X 2 sq.mm copper conductor f) 5 X 2 sq.mm copper conductor f) 6 Providing & fixing suitable size of angle iron frame suitable for installation on wall/floor including grouting of frame & painting etc. conductor including all accessories in sq.mm copper sq.	d)		100.00	per mtr.		
the Lighting DB, for ATM UPS IC: & 4 WAY TPN IC) 5 3 x 2.5 xg.mm. copper conductor (for the Air-conditioning wiring) 5 End termination with Brass compression glands including providing lugs/ferruls and making necessary commercions etc. complete as reqd. of following sizes: a) 3.5 x 70 sg.mm aluminum conductor 4.00 each 5.3 x 82 sg.mm aluminum conductor 4.00 each 2.3 x 82 sg.mm aluminum conductor 5.3 x 82 sg.mm aluminum conductor 6.00 each 12.00 each 12.00 each 13.00 each 14.00 sg.mm aluminum conductor 15.00 each 16.00 each 17.00 each 18.00 each 1	e)			•		
19 3 x 2.5 sq.mm. copper conductor (for the Air-conditioning wiring) 140.00 per mtr.			60.00	per mtr.		
Each termination with Brass compression glands including providing lugs/ferruls and making necessary connections etc. complete as reqd. of following sizes:	f)		140.00	per mtr.		
a) 3.5 X 70 sq.mm aluminum conductor b) 3.5 X 50 sq.mm aluminum conductor c) 3.5 X 25 sq.mm aluminum conductor d) 3.8 X 62 sq.mm aluminum conductor e) 4.00 each d) 3.8 X 62 sq.mm aluminum conductor e) 4.1 X 10 sq. mm aluminum conductor f) 3.8 X 25 sq.mm aluminum conductor e) 4.1 X 10 sq. mm aluminium conductor f) 3.7 X 25 sq.mm aluminium conductor f) 3.8 X 25 sq.mm aluminium conductor f) 4.00 each f) 3.8 X 25 sq.mm aluminium conductor f) 5.00 each f) 6.00 each f) 7.00 each f) 8.00 each f) 8.				•		
a) 3.5 x 70 sq.mm aluminum conductor						
b) 3.5 X 50 sq.mm aluminum conductor c) 3.5 X 25 sq.mm aluminum conductor d) 3.5 X 25 sq.mm Copper conductor 12.00 each 13.8 X2.5 sq.mm Copper conductor f) 3.8 X2.5 sq.mm Copper conductor f) 4.5 to sq. mm copper conductor f) 5.5 to sq. mm copper conductor f) 6.600 each f) 6.600 each f) 7.5 to sq.mm copper conductor f) 8.600 each f) 8.60	a)		2.00	each		
c) 3.5 X 25 sq.mm aluminum conductor d) 3 X6 sq. mm Copper conductor e) 4 X 10 sq. mm aluminum conductor f) 3 X2.5 sq. mm Copper conductor e) 4 X 10 sq. mm aluminum conductor f) 3 X2.5 sq. mm Copper conductor e) 4 X 10 sq. mm aluminum conductor f) 7 SY 25 sq. mm Copper conductor e) 7 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: (Make: Havalle/HPI Standard/L learnad/L &TT a) 1 NO.4 pole 200 amp capacity changeover switch. 7 Providing & fixing 16 S.W.G.M.S. sheet adaptor 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 TOTAL SUB-HEAD 2 SUB-HEAD 3 (EARTHING) 1 Supply & fix copper plate earth station with 600x6000x3 mm thick copper plate including all accessories such as watering pipe & funnel and providing masonary 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. (For the Branch 2 Supply & fix G.I. plate earth station with 600x600x6 mm thick G.I. plate including all accessories such as watering pipe & funnel and providing masonary 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. The voltage between neutral & earth must be below 1 volt. (For the Branch 2 Supply & fix G.I. plate earth station with 600x600x6 mm thick G.I. plate including all accessories such as watering pipe & funnel and providing masonary 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 carthing from the point of neutral link beside the fuse connection 10 Supplying and laying 20 mm X 3 mm copper strip at 0.50 meter below ground as strip earth						
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A X 10 sq. mm aluminium conductor		1				
f) 3 X2.5 sq. mm Copper conductor 16.00 each						
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7 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 80.00 per mtr.	6					1
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wherever reqd.						
a) 25mm 80.00 per mtr.						
	a)		80.00	per mtr.		
TOTAL SUB-HEAD - 3		TOTAL SUB-HEAD - 3				



S. No	Itom	Quantity	Unita	Doto	Amount
5. 110	SUB HEAD 4 (NETWORKING)	Quantity	Units	Rate	Amount
1	Wiring for computer networking starting from mounting rack with UTP CAT-6 cable in 2 mm				
1	thick 25mm dia ISI mark PVC conduit with accessories such as bends, junction boxes including	24.00			
	providing and fixing I/O plates and SMB complete with all networking accessories etc complete as	34.00	no.		
	providing and fixing 1/O plates and SWB complete with an networking accessories etc complete as				
	3 points for BM Cabin, 2 points per seat, 6 points for ATM as per the drawing provided.				
2	Supply, installation, testing and commissioning of 24-port Patch Panel	2.00	no.		
3	Supply installation, testing and commissioning of mounted rack 12U height made of powder				
	coated MS sheet.	2.00	no.		
4	Supply, fixing and commissioning of patch cable Cat-6 complete with 2 no. connectors etc.				
•	complete as regd.				
a)	1 m long	34.00	no.		
b)	2 m long	34.00	no.		
5	Wiring for telephone points with 0.6 mm dia 2 pair insulated annealed tinned electrolatic copper	34.00	110.		
5					
	conductor in 2 mm thick 25 mm dia ISI marked PVC conduit complete with accessories such as	15.00			
	bends, junction boxes etc. with suitable size of G.I. box modular plate and cover in front on surface	15.00	no.		
	or in recess including providing and fixing modular type telephone socket outlet and making				
	necessary connections etc. complete as reqd. (Make: Dglink/KEI/Finolex)				
6	Supply, fixing and commissioning of 20 pair tag Block Box i.e FRP/PVC/Metal junction box with	4.00			
	KRONE disconnection module necessary tag for identification for the telephone points. (box and	1.00	no.		
	strips Krone make)				
7	Providing , Laying, testing & commissioning of 20 pair telephone cable from outside govt. / bsnl	50.00	per mtr.		
	DB to Rack for lease line, ISDN of Make: Delton, finolex, polycab.	20.00	per mer		
	TOTAL SUB -HEAD 4				
	SUB-HEAD 5 (AIR CONDITIONING PIPING WORK)				
	Supplying & Laying of following COPPER REFRIGERANT PIPING Thickness 22 SWG For Hi-				
1	wall Split AC complete with fittings Suction / Discharge line insulated with 12 mm SUPERLON /				
1	ARMAFLEX suction line. Multi-runs between Indoor & Outdoor units shall be considered as ONE				
	length for the purpose of measurement.				
a)	1/4" + 1/2" Refrigerant Copper piping - For Hiwall Split AC's (1.0Tr / 1.5Tr)	160.00	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	90.00	per mtr.		
	bends, Tees etc as required complete in all respect (Make: Diplast/Supreme)		•		
3	Cutting of floor/wall for laying of refrigerant/drain pipe including making good the damages etc.				
	Complete as required.	70.00	per mtr.		
4	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	160.00	per mtr.		
	for the purpose of measurement.(Make: Havells/ RR Kable / KEI/Finolex)	200.00	per mer		
	TOTAL SUB -HEAD 5				
	SUB HEAD 6 (SUPPLY AND INSTALLATION OF FANS AND FIXTURES)				
1	SITC of 2"x2" Celing grid 33-36 watt LED panel fixtures with essential driver in false ceiling				
1	including making necessary arrangement for mounting the fixtures and connection with 2 x 1.5				
	sq.mm insulated copper cable from adjacent point in PVC flexible pipe etc Complete as regd. Make	52.00	no.		
	Philips cat. RC 380 B- LED-30-6500PSE OD WH or equivalent of Wipro / Bajaj.				
2	SITC of 15 watt LED fixtures /dowlighters with essential driver in false ceiling including making				
2					
	necessary arrangement for mounting the fixtures and connection with 2 x 1.5 sq.mm insulated	70.00	no.		
	copper cable from adjacent point in PVC flexible pipe etc complete as reqd. Make Phillips cat no.				
2	DN - 192 - 1000 or equivalent of Wipro / Bajaj.				1
3	SITC of 18 watt of 4 feet long T5 LED fixtures directly on ceiling / wall including making	24.00			
	necessary connections with 2x1.5 sq.mm insulated copper cable conductor wire etc. complete as	24.00	no.		
	reqd Make Phillips cat no. DN - 192 - 1000 or equivalent of Wipro / Bajaj.				-
4	Supply of 450 mm sweep Metal Body Crompton greaves (or equivalent) SDX BLCK GOLD /	4			
	SSTROM 2 wall fan etc. 1325 rpm High Flow Model with 2 Pin Plug complete as required. (M/s	15.00	no.		
	equivalent of Bajaj / Havells/Usha)				
5	LED Strip / profile light (4.5/5 watt) for cove (M/s Phillips /Wipro / Bajaj) Complete in all	55.00	per mtr.		
	respects with suitable drivers		r		İ



S. No.	Item	Quantity	Units	Rate	Amount
	SITC of 1200 mm CEILING fans complete as reqd. (M/s Crompton High Breeze or equivalent of USHA / Bajai).	3.00	no.		
	SITC of 200 mm exhaust fans complete with self opening louvers / shutters including necessary frame etc, complete as reqd. (M/s Crompton High Breeze or equivalent of USHA / Bajaj)	5.00	no.		
	SITC of 30 watt LED Street light /Flood light for lighting the front side of the branch (M/s Crompton Cat No. LSTS-30-CDL or equivalent of Philips/Wipro .	2.00	no.		
	SITC of Automatic Programmable Time Switch 24 Hour for ATM AC's (Make: L&T or equivelent to Legrand/Havells/Seimens)	1.00	no.		
	TOTAL SUB - HEAD 6				
	TOTAL SUB-HEAD- 1-5 (A)				
	TOTAL SUB-HEAD- 6(B)				
	TOTAL AMOUNT(A+B)				
	GST shall be paid extra as applicable				

