


Price Bid for Electrical works of State Bank of India ATM at Dau Majra & Phase-10, Mohali					
Electrical Work					
ITEM DETAILS		QTY.	UNIT	RATE	AMOUNT
<b>PART- A :</b>					
1	<b>UPS DISTRIBUTION BOARD</b>				
	supply, installation, testing and commissioning of factory fabricated distribution board rust inhibited, powder coated sheet fabricated comprising of incoming and outgoing isolator and MCB's neutral link or neutral bus, top and bottom detachable entry earthing bolts interconnection and grouting bolts etc complete as reqd. <b>Make: Havells/Indo Asian / Hager/ Legrand/L&amp;T</b> as per details below :-				
a	4 way DB comprising of 2 no. 63 amp DPMCB (UPS out put).	4.00	each		
b	4 way DB comprising of 1 no. 63 amp 4P MCB - 3 phase (UPS input).	2.00	each		
2	Supply, installation, testing and commissioning of following capacity 3 pin metal clad industrial type plug and socket arrangement with plug top, cap and chain controlled by under noted capacity: (Make: Havells/HPL/Standard/Legrand/L&T)				
a)	32 Amp with 32 Amp. With SP MCB. (for ups Input)	6.00	no.		
b)	20/25 Amp with 20 Amp. with SP MCB. (for ups output)	8.00	no.		
3	Providing and fixing 16 S.W.G. MS sheet and also base frame for installation of MCB DBs plug and socket arrangement and to cover cables in UPS room & ECP including painting etc. complete	2.00	sq. mtr.		
4	Providing and laying following sizes of PVC insulated copper conductor cable of 1100 V in flexible/ PVC conduit pipe with accessories such as glands bends etc ( as per requirement) including making necessary interconnection etc complete as required.				
a)	2 X 6 Sq mm with 1 no suitable insulated 2.5 sq mm multi stranded copper wire in PVC flexible pipe. <b>(Make: Havells/ Polycab/ KEI/Finolex)</b>	25.00	mtr.		
<b>PART-II : COMPUTER POINTS &amp; DISTRIBUTION</b>					
5	UPS POINT - Supply all material, storing, handling, fixing of computer points computer points in suitable size of GI / PVC box including providing 3 nos 5 amps 3 pin modular sockets to be provided <b>under table top</b> and controlled by 1 no 15 A moduler type switch and indicator with moduler cover plate <b>above the table top</b> etc complete as required including 3X2.5 sq. mm copper armored cable. Note: Maximum two computer points are to be provided on one circuit. <b>(Switches : Make: Crabtree/North-West/Anchor (BM -3 &amp; SWO counter - 2 each, O.T. table, N. Rack &amp; LED - 2 each).</b>	6.00	each		

  
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6	Supply, installation, testing and commissioning of factory fabricated distribution board rust inhibited powder coated sheet fabricated comprising of incoming and outgoing isolator & MCBs neutral link or neutral bus, top and bottom detachable entry earthing bolts interconnection and grouting bolts etc complete as required as per details below. <b>Make: Havells/Indo Asian/L&amp;T.</b>				
c)	4 Way TP MCBDB Double Door in recessed wall including cutting of wall and making good the damages comprising 1 no 63 A FP TPN and 6 Nos.32 A DPMCBS etc complete as required. <b>(for Air conditioning &amp; Light ).</b>	2.00	no.		
7	Supply, installation, testing and commissioning of 25 ampere 3pin modular socket controlled by 25 ampere DPMCB including modular frame in GI Modular box for Air-conditioning supply. Cable to be terminated with suitable GI Gland box, with the following capacities: <b>(Make: Crabtree/North-West/ Anchor )</b>	4.00	no.		
9	<b>Basic electrical Wiring of light points, plug points</b>				
	Wiring for light point/ ceiling fan point/ exhaust fan point with 1.5 sq.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 cable etc. as required . <b>(Wires Make: Havells/ Polycab/ KEI/Finolex) (Switches : Make: Crabtree/North-West/MK / Indo Asian)</b>				
	(Rate includes 3 x 2.5 sq.mm FRLS copper conductor, single core cable in PVC conduit for circuit/sub main wiring along with earth wire )				
a)	single 6 Amp Switch controlling 1 light point for T-5, Cove light, exhaust Fans, Ceiling fan and other seprate room supply only.	10.00	no.		
	<b>Note: Lihgts/fans points to be calculated by numbers of lights and no extra cost shall be paid for dummy switch.)</b>				
10	<b>PART III - EARTHING</b>				
	a)Supply and fix <b>copper plate earth station</b> with 600X600X3mm copper plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987. The voltage between neutral and earth must be below 1 V. The work includs supply, fixing and termination of 5M Length 20X3 mm size copper strip with earth station below ground level etc as required.	2.00	Sets		
11	a)Providing and fixing of 8 SWG copper earth wire in the recess for loop earthing etc. as required.	10.00	Meter		
12	Supply and laying following dia 2 mm in thickness ISI Mark PVC pipe under floor or in recessed walls from earth electrode to UPS room for computer dedicated earthing.				

	25 mm diameter	40.00	Meter		
	<b>PART IV - TELEPHONE &amp; DATA CABLE</b>				
13	Data cabling work for computer networking starting from mounting rack at system room with UTP CAT-6e LAN Data cable in 2mm thick 25 mm dia ISI mark PVC conduit with accessories such as bends, Tees, junction boxes including providing and fixing cat-6 I/O plates and SMB complete with all networking accessories etc complete as reqd. <b>(Make: Lucent/HCL/IBM/AMP/Krone/D- Link/ Molex).</b> <b>Note: Only One Data Points to be provided in One Table/Counter.</b> <b>Extra poitns not to be paid if provided.</b> Maximum 6 no. data cable must be run in one pvc pipe.	6.00	no.		
14	supply, installation, testing and commissioning of 24-port Patch Panel	2.00	no.		
15	Supply and installation, testing and commissioning of mounted rack 15" hight made of powder coated MS sheet	2.00	no.		
16	supply, installation, testing and commissioning of factory manufactured CAT- 6e patch chord complete with 2 no. connectors etc. complete as reqd.				
a)	1 mtr. long	6.00	no.		
b)	2 mtr. long	6.00	no.		
	<b>PART-V : AIR CONDITIONING REFRIGERATION/DRAIN WORKS</b>				
17	Supplying & Laying of following COPPER REFRIGERANT PIPING Thickness 22 SWG For Air Conditioners units 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. the work includes all hardware & required henger to complete the job. <b>(Make: Total Line/Armcell).</b>				
a)	1/4" + 1/2" Refrigerant Copper piping - For Hiwall Split AC's (1.0Tr / 1.5Tr ) to be provided as per drg.	35.00	mtr.		
18	Supplying & laying recessed in wall Rigid ISI Mark PVC drain pipe of size 20mm dia complete with fittings, U traps etc. & as specified to the nearest toilet / drain point under floor or in recessed walls for AC drains including cutting of walls, bends & Tees. making good the damages etc. wherever required. (Make: Diplast/Supreme)	25.00	mtr		
19	Supplying and providing Eletrical flexible FRLS Copper cable of 3 x 2.5sq.mm multi strand suitable for 1.0Tr / 1.5 Tr H.W Split / 2.00 Tr Cassette Multi-runs between Indoor & Outdoor units and between Metal Clads to Out door for electrical supply etc complete as required <b>(Make: Havells/ Polycab/ KEI/Finolex)</b>	25.00	mtr		
20	<b>Arrangement of Timer circuit for Air conditioning Units:</b>				

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a)	SITC of Analog Timer switch for AC on/off including 25amp DPMCB with 25amp Contactor relay complete with necessary connection through FRLS 2.5sqmm wires complete as required(Timer & Contactor Make: L&T /Havells/ Schneider)	2.00	job		
	<b>PART- B :</b>				
	<b>PART-VI : LIGHTS &amp; FANS FIXTURES</b>				
20	SITC of 2"x2" Celing grid 36-43 watt LED panel fixtures with essential driver in false ceiling 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 reqd. Cat. No. BZRSQL 43L LED GF of Bajaj or equivalent of Philips / Wipro. 120 Lumens per Watt. Color temperature 6000K.	12.00	no.		
21	SITC of 18 watt of T5 LED fixtures directly on ceiling / wall including making necessary connections with 2x1.5 sq.mm insulated copper cable conductor wire etc. complete as reqd <b>Make; Philips/Wipro / Bajaj</b>	2.00	no.		
22	SITC of 200 mm netal exhaust fans complete including necessary frame etc, complete as reqd. (M/s Crompton High Breeze or equivalent of Havells/Usha/Polycab)	2.00	no.		
	TOTAL OF PART : I +II+III+IV+V (A)				
	TOTAL OF PART : VI (B)				
	<b>TOTAL AMOUNT (A+B)</b>				
	<b>GST extra as per applicable</b>				
	Note: the vendor have to provide LAN diagram after completion of the work along with the bill, without it payment will not be made.				

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