

**BOQ FOR RENOVATION OF ELECTRICAL WORK AT CANARA BANK , MAINA BRANCH,
ROHTAK.**

S.No	Particulars	Quantit	Unit	Rate	Amount
I	Dismantalling and Demolation of existing branch all electrical point including ups, light , fan, power point etc. That includes all Wiring , exposed MS/ PVC pipe ,including making all the connections,including cutting chases and making good the surface wherever required.	1.00	Nos	LUMSUM	
	MAIN LT PANEL /DBs				
II	Design ,Manufacture, Supplying and Commissioning of 1.6 mm thick MS sheet fabricated cubicle type ,wall/floor mounted fully recessed doors,brass cable glands for incoming and outgoing connections with inter connections with copper tapes/wires,earthing and painting with HRC fuses with volt meter,Am-meter, Selector switch ,CTS, back up fuses, toggle switches including earthing of all components with.				
	In Coming : 125 Amp TP MCCB :1 NOS.				
	125 AMP Copper Bus Bar = 2 set				
	100 AmpFP Change over with HRC fuse.				
	Out Going : 100 Amp TP MCCB = 1 nos.				
	63 AMP TPN ELCB = 2 nos.				
	40 AMP TPN ELCB = 3 nos.				
	32 AMP DP MCB = 5 nos.				
	25 AMP SP MCB = 10 nos.				
	20 AMP SP MCB = 10 nos.				
	25 AMP DP MCB = 1 nos.	1.00	nos.		
	DISTRIBUTION BOARD				
III	Suply and installation of 6 way, TPN 'MCB type Distribution Board(double door) flush mounted on wall, sheet metal fabricated, powder coated, having dust-proof and vermin 'proof, gasketed and hinged door with all internals such as DIN rails, neutral-link, interconnected wiring, complete with earthing legs, housing following switch gears (Double door VERTICAL DB) For UPS input/output and field wiring etc.				
	40/63A, TPN, 4 Pole MCB incomer = 2 Nos.				
	63 Amp. DP MCB outgoing = 2 Nos.				
	40 Amp. DP MCB outgoing = 2 Nos.				
	16 Amp. SP MCB outgoing = 12 Nos.				
	Full Set as above	1.00	SET		
A	S & I 63 Amp. TP Rotary Switch (L & T) fixing with M.S. Box with all connections complete with all baking material as 'required.	1.00	Nos.		
IV	CABELS / MAINS				

1	S & I of 1100V grade armoured cable having sector / circular shaped aluminium / copper conductor PVC insulated cores, laid up, PVC tape wrapped inner sheathed, GI strip / wire armoured and overall extruded PVC sheathed conforming to IS: 1554, laid on wall or ceiling using GI clamps and spacers as per route shown at site and further as directed by Bank / Architect in the following sizes.				
1.1	4 X 35 Sq.mm Al Cable	5.00	Mts.		
1.2	4 X 25 Sq.mm Al Cable	25.00	Mts.		
2	S & I of end termination of above mentioned cables including compressed type brass glands, crimping type copper lugs, insulation tape etc. as 'required complete with earthing of glands in following sizes				
2.1	3 1/2C X 50/35 Sq.mm	2.00	Nos.		
2.2	4 x 25 Sq.mm	2.00	Nos.		
V	WIRING / (Light Point ,Light Socket / Power Circuit , Power point/ A.C.Point Wiring.)				
1	Wiring for light point with 2x1.00sqmm PVC insulated copper conductor wire of 650/1100 volts grade in concealed/exposed pvc pipe ,including by 5Amp. Moduler switch with G.I boxes, including making all the connections , including cutting chases and making good the surfaces wherever required.				
a	One point controlled by one switch.(1 Light/ Fan by one switch)	28.00	pts.		
b	Two points controlled by one switch.(2 light by one switch)	10.00	pts.		
2	Wiring for 5Amp light plug points with 2x1.50sqmm PVC insulated copper conductor wire of 650/1100 volts graded , with pvc insulated copper earth in concealed/exposed pvc pipe ,including 5 pin, 5Amp.socket with modular switch with GI boxes with earthing the third points , including cutting chases and making good the surfaces wherever required.				
a	Light Plug points in Counter/walls/partition	6.00	pts.		
b	Light Plug points for wall/Bracket fans.	9.00	pts.		
3	Wiring for 15Amp. power plug points with 2x2.50sqmm PVC insulated copper conductor wire of 650/1100 volts graded with pvc insulated copper earth wire in concealed/exposed pvc pipe ,including 6 pin, 16 Amp.socket with modular switch with GI boxes with earthing the third points , including cutting chases and making good the surfaces wherever required.	7.00	pts.		

4	Wiring for light circuit with 2x1.50sqmm PVC insulated copper conductor wire of 650/1100 volts grade in concealed / exposed pvc pipe with pvc insulated copper earth wire including making all the connections, including cutting chases and making good the surface wherever required.	8.00	nos.		
5	Supply of all required materials and wiring of AC plug point with 2 x 4/6 sqmm PVC insulated copper wire run inside screw type PVC conduit pipe with ISI market laid on surface /recessed of wall/ceiling along with 1 (1x2.5sqmm) PVC insulated copper wire as earth continuity conductor complete in all respect including with use of 1.5 TR AC starter, concealed metal box with cover, wire 20/32 A SPN metal clad plug socket, metallic switch box for plug junction box etc. compete with making good the damages caused as required and as per direction of bank..(Circuit shall not be paid extra.)	4.00	pts.		
VI	TELEPHONE WIRING/ DATA NETWORKING				
a	Wiring for telephone points with 2 pair of 0.61 mm copper wire with PVC pipe with 2 pin telephone outlet with MS box with all connections.				
	Supplying and fixing RJ 11 telephone Jack modular plate with GI box.	4.00	nos.		
b	Wiring for telephone points with 10 pair .	25.00	mts.		
c	Supply /fixing Cat 6 cable D- Link UTP cable with pvc conduit with following assecceries . RJ 45 Cat 6e IO(Information outlet with fase plate, pvc surface mounting box etc. (D - link				
	RJ Cat 6e I.O. with fase plate with pvc box. 24 port Jack Panel (D- Link) Cat - 6 patch cord 1.00 M , Cat 6 Patch Cord - 2M , 12U Net work rack, wire manager , cable manager, PDU .	9.00	nos.		
VII	U.P.S. WIRING				
1	Wiring for UPS points with 2x1.50sqmm PVC insulated copper conductor wire of 650/1100 volts graded with required earth wire with concealed/exposed pvc pipe , including making all the connections,including cutting chases and making good the surfaces wherever required.(excluding the cost of computer socket board, maximum 2 points on each circuit shall not be paid extra.)	9.00	pts.		

2	Wiring for emergency light point through ups with 2x1.50sqmm PVC insulated copper conductor wire of 650/1100 volts graded with required earth wire with concealed/exposed pvc pipe , including making all the connections,including fixing assessores, modular switch and plates. cutting chases and making good the surfaces wherever required.	5.00	pts.		
3	Wiring with 2x 4sqmm PVC insulated copper conductor wire of 650/1100 volts graded with required earth wire with concealed/exposed pvc pipe ,including making all the connections,including cutting chases and making good the surfaces wherever required.	10.00	mts.		
4	Supplying & fixing in position computer Socket Board with 3 nos. 5 Amp 5 pin sockets with switch with 1nos. 15Amp power socket with switch .Max. two points on each circuit, circuit shall not be paied extra.	9.00	nos.		
VIII	LIGHTING / FIXTURE				
1	S & I of lighting fixtures as per the details given below including necessary hardware such as clamps,nuts, bolts, nails, screws and suspension chains as required for fixing the fixtures in position as directed by architect / Consultant.				
1.1	2x2 ft (36 W)LED Light Fitting of Philips/Crompton/Wipro including supplying and fixing on false ceiling.	12.00	Nos		
1.2	1 X 36W LED BATTEN Tubelight	15.00	Nos.		
1.3	Providing & Fixing of 15 watt. LED Down Lighter.	15.00	Nos.		
1.4	250mm dia wall mounted exhaust fan of decorative plastic body and blade with louvers on the outside (Newtek/Cromton/Approved Equivalent)	2.00	Nos.		
1.5	Providing & Fixing wall bracket fans with metallic body heavy duty. (Orient , Hewells , Bajaj Cromton)	6.00	Nos.		
1.6	Providing & Fixing Ceiling Fans. 48" / 56" (Hewells , Bajaj Cromton)	6.00	Nos.		
IX	EARTHING				
1	Chemical Earthing using Electrode of size 80 mm dia, 2 meter long connected with 50X6 mm Copper internal strip complete with excavation, civil works, cast iron cover with back fill compound. The voltage between Neutral & Earth not to exceed 2 volts. including bore holes wherever required and putting the earth as per requirement.	2.00	Nos		
2	Wiring with 1x10 sqmm PVC insulated copper conductor wire of 650/1100 volts grade as earth wire with concealed/exposed PVC pipe ,including making all the connections,including cutting chases and making good the surface wherever required.	12.00	Mts.		

	TOTAL OF ELECTRICAL WORK CARRIED OVER TO SUMMARY			TOTAL	
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