

BOQ ESTIMATION AND SPECIFICATIONS FOR <u>ELECTRICAL WORKS</u> AT BANK OF MAHARASHTRA , ZONAL OFFICE AND SULTAN BAZAR BRANCH @ KOTI , HYDERABAD,					
I ZONAL OFFICE					
Sr No.	Detailed Specifications of the Work	Qntty	Unit	Unit rate	Amount
	Wiring				
	Note: All Light/Ceiling Fan/Wall Mounting/Exhaust Fan/Bell Points Cost Including Circuit Wiring				
1	Supply and wiring of Light and fan Points with Switch,MS Box,Plate and also Suitable Size 1.5mm thick MS conduit with 3x1.5Sqmm Copper multistand flexible pvc insulated cable with required all Materials etc.(Rate Including the circuit wiring from Lighting Distribution Board to Switch Board Wiring 2x2.5+1.5Sqmm Wire and PVC Conduites)ALL WIRES FRLS AND SWICHES /SOCKETS MODULAR RANGE				
1.1	Primary Point				
	Supply.	130	Pts		
	Wiring	130	Pts		
1.2	Looping/Secondary Point(Without switch)				
	Supply.	35	Pts		
	Wiring	35	Pts		
1.3	Supply and wiring of Bell point with bell Push and Ding Dong Bell with Suitable 1.5mm thick MS conduit with 3x1.5Sqmm earth wire Copper multistand flexible pvc insulated wires and 5A Switch cum sockets with Surface/Conceiled Box with required all materials etc.				
	Supply	4	set		
	Fixing	4	set		
1.4	Supply and wiring of Wall Monting Fan points from Near Switch Board with Suitable 1.5mm thick PVC Conduites with 3x1.5Sqmm earth wire Copper multistand flexible pvc insulated wires and 5A Switch cum sockets with Surface/Conceiled Box with required all materials etc.				
	Supply	30	set		
	Fixing	30	set		

1.5	Supply and wiring of Ceiling Fan points With Electronic Step type type Regulators and 1.5mm thick PVC Conduites 3x1.5Sqmm earth wire Copper multistand flexible pvc insulated wires and 5A Switch cum sockets with Surface/Conceiled Box with required all materials etc.				
	Supply	4	set		
	Fixing	4	set		
1.6	Supply and wiring of 2x2.5+1.5Sqmm Copper Multi Stand Pvc Insulated wire with 5A Switch Cum Sockets Raw Power Points from DB To First 5A Sockets Circuits with Suitable 1.5mm thick PVC Conduites with required all materials etc.(Rate Including Wiring From DB to Socket+ 2 no of 5ASwitch Cum Socket)				
	Supply	22	Pts		
	Fixing	22	Pts		
1.7	Supply and wiring of 2x2.5+1.5SqmmCopper Multi Stand Pvc Insulated wire with 5A Switch Cum Sockets Raw Power Points from First 5A Sockets to Looping Circuits with Suitable 1.5mm thick PVC Conduites with required all materials etc.(Rate Include Looping from 5A Socket to Other Table 5A Sockets (Socket to Socket Means Not Side by side) + 2 no of Switch Cum Socket)				
	Supply	16	Pts		
	Fixing	16	Pts		
1.8	Supply and wiring of 2x4.0+2.5Sqmm Copper Multi Stand Pvc Insulated wire with 6/16A Switch Cum Sockets Power Points from DB to 16A Sockets set with suitable 1.5mm thick PVC Conduites with required all materials etc.(Rate Including Wiring From DB to Socket+ 16ASwitch Cum Socket)				
	Supply	12	Pts		
	Fixing	12	Pts		
2	SubMains and Mains				
2.1	Supply and wiring of Raw Power with Suitable 1.5mm thick PVC Conduites and 2x2.5 Sqmm +1.5Sqmm earth wire Copper multistand flexible pvc insulated wires with required all materials etc.				
	Supply.	136	Mts		
	Wiring	136	Mts		

2.2	Supply and wiring of Circuits for RAW Power/Sign Board with Suitable 1.5mm thick PVC Conduites and 2x4.0 Sqmm +2.5Sqmm earth wire Copper multistand flexible pvc insulated wires with required all materials etc.				
	Supply.	124	Mts		
	Wiring	124	Mts		
2.3	Supply and wiring of Circuits for Inputs with Suitable 1.5mm thick PVC Conduites and 4x6.0 Sqmm +4.0Sqmm earth wire Copper multistand flexible pvc insulated wires with required all materials etc.				
	Supply.	64	Mts		
	Wiring	64	Mts		
2.4	Supply and wiring of Circuits for Input with Suitable 1.5mm thick PVC Conduites and 2x6.0 Sqmm +4.0Sqmm earth wire Copper multistand flexible pvc insulated wires with required all materials etc.				
	Supply.	165	Mts		
	Wiring	165	Mts		
2.5	Supply and wiring of Circuits with Suitable 1.5mm thick PVC Conduites and 2x10.0 Sqmm +6.0Sqmm earth wire Copper multistand flexible pvc insulated wires with required all materials etc.				
	Supply.	16	Mts		
	Wiring	16	Mts		
2.6	Supply and wiring of Circuits with Suitable 1.5mm thick PVC Conduites and 4x10.0 Sqmm +4.0Sqmm earth wire Copper multistand flexible pvc insulated wires with required all materials etc.				
	Supply.	36	Mts		
	Wiring	36	Mts		
2.7	Supply and wiring of Circuits for Acs with Suitable 2mm thick PVC Conduite and 2x4.0 Sqmm +2.5Sqmm earth wire Copper multistand flexible pvc insulated wires with Supply and fixing of Metal Clad socket and 25/32A SP MCB and all required all materials etc.(All Stabilisers fixed at Near Panel Room)				
	Supply.	9	set		
	Wiring	9	set		

2.80	Supply and fixing of 4 pole 32/63A MCB with 4 Pole Encloser with 4 runs of 6 sqmm PVC insulated multistranded copper conductor wire and 2 run of 2.5 sq,mm earth wire in heavy guage 25mm dia MS conduit concealed in wall or with suitable width casing and capping of approved quality alongwith required accessories when laid on ceiling				
	Supply.	6	set		
	Wiring	6	set		
3	SWITCH CUM SOCKETS				
3.1	Supply and fixing of 1No 6A Sockets with 6A Switch control for Raw/UPS Power with Suitable Surface/MS boxes etc.				
	Supply	12	Nos		
	fixing	12	Nos		
3.2	Supply and fixing of 1No 6A Sockets with 6A Switch control for above Switch Control Boards with suitable Surface/MS Boxes etc.Including Connections				
	Supply	12	Nos		
	fixing	12	Nos		
3.3	Supply and fixing of 2No of 6A Sockets with 2 No of 6A Switch control for Raw/UPS Power with Suitable Surface/MS boxes etc.				
	Supply	24	Nos		
	fixing	24	Nos		
3.4	Supply and fixing of 3No of 6A Sockets with 2 No of 6A Switch control for Raw/UPS Power with Suitable Surface/MS boxes etc.				
	Supply	22	Nos		
	fixing	22	Nos		

4	Main Panel and Sub DBs				
4.1	Supply and fixing testing and Commissioning of Electrical Main Panel Board fixed in a floor Mounted Cubicle Panel with provision such as connector blocks, Cable chambers, Earthbuses, Main Copper busbar Powder Coated semens gray Colour, the Panel Should be fabricated as for IE rules and as for the best engineering Practieswith Required Grouting work and Material as follows				
	Main Switch--250 A 4 Pole MCCB-1 No 250A HPL Change Over Switch,				
	R, Y, B Indicator --3Nos				
	Digital Meter: Voltage, Amps With Selector Switchs				
	Outgoing: 100A MCCB- 2 Nos 63 TPN MCBs -3 Nos, 32A TPN MCBs- 3 Nos, 10-32A SP MCBs -18 Nos and 10KVAR MPPH L& T Capacitor Banks Connected to 32A TP MCBs- 1 Nos				
	with Required Internal wiring etc.				
	Supply		Rate Only		
	fixing		Rate Only		
4.2	Supply & Installation, testing and Commissioning of the 8 way Vertical TPN Double door DB with 125A 3 Pole, 25KA MCCB-1 No as incomer, and Outgoings- 63A TP MCBs- 3 Nos, 32A TP MCBs- 2 Nos, 10/32A SP MCbs- 9 Nos and required all Materials etc. (MDS Legrand)				
	Supply	2	Nos		
	fixing	2	Nos		
4.3	Supply & Installation, testing and Commissioning of the 4 way Vertical TPN Double door DB with 63A 4 Pole MCB-1 No as incomer, and Outgoings- 10/32A SP MCbs- 12 Nos and required all Materials etc. (MDS Legrand)				
	Supply	2	Nos		
	fixing	2	Nos		

4.4	Supply & Installation, testing and Commissioning of the 8 way ETPN Double door DB with 63A MCB-1No as incomer, and Outgoings- 10/32A SP MCbs-24 Nos and required all Materials etc.(MDS Legrand)				
	Supply	1	Nos		
	fixing	1	Nos		
4.5	Supply & Installation, testing and Commissioning of the 4 way ETPN Double door DB with 63A 4Pole 100ma EL MCB-1No as incomer, and Outgoings- 10/32A SP MCbs-12 Nos and required all Materials etc.(MDS Legrand)				
	Supply	2	Nos		
	fixing	2	Nos		
4.6	Supply & Installation, testing and Commissioning of the 12 way SPN Double door DB with 63/32A 2Pole MCB-1No as incomer, and Outgoings- 10/32A SP MCbs-10 Nos and required all Materials etc.(MDS Legrand)				
	Supply	4	Nos		
	fixing	4	Nos		
4.7	AC DB: Supply and fixing of 4 Pole Encloser with 4 Pole 63A MCB-1No.				
	Supply	1	Nos		
	fixing	1	Nos		
4.8	Supply and fixing of 20A 3Pin Metal clad socket with 32A SP MCB and required all Materials etc.				
	Supply	1	Nos		
	fixing	1	Nos		

5	<u>Power Cable Supply</u>				
5.1	Supply of 3.5Cx150Sqmm LT Al armoured cable WITH 10 swg Copper wire 2 runs	46	Mtrs		
6	<u>Power Cable Laying</u>				
6.1	Laying of 3.5Cx150Sqmm LT Al armoured cable	46	Mtrs		
7	<u>Cable End Trminations</u>				
7.1	3.5Cx150Sqmm Cable end Terminations	4	sets		
8	<u>Raceways</u>				
	Fabrication, Supply, installation of Al Floor raceway 2.0mm(3 equal partition as per following sizes) having 40mm depth with junction Box as for following sizes in flooring including chipping, chiseling of floor and making zarry and all related civil works.(The Floor trunking sample shall be approved by clint/architect/consultant before installation)				
8.1	Aluminium floor Raceway of 3runs of 40mmx40mm				
	Supply	Rate	Mts		
	Fixing	Rate	Mts		
8.2	Aluminium floor Raceway of 2runs of 40mmx40mm				
	Supply	Rate	Mts		
	Fixing	Rate	Mts		
8.3	Aluminium floor Raceway of 1runs of 40mmx40mm				
	Supply	Rate	Mts		
	Fixing	Rate	Mts		
8.4	300x 300 x 50 mm, Floor JB with MS Sheet of 14 guage Powdwe Coated with chamfered corners				
	Supply	3	Nos		
	Fixing	3	Nos		
8.5	150 x 150 x 50 mm, Floor JB with MS Sheet of 14 guage Powdwe Coated with chamfered corners				
	Supply	3	Nos		
	Fixing	3	Nos		

8.6	100 x 100 x 50 mm, Floor JB with MS Sheet of 14 guage Powdwe Coated with chamfered corners				
	Supply	3	Nos		
	Fixing	3	Nos		
9	UPS Wiring				
9.1	Supply and wiring of 2x2.5+1.5Sqmm Copper Multi Stand Pvc Insulated wire with 3 Nof 5A Switch and 3 No of Sockets UPS Power Points from DB To First Set of 5A Sockets Circuits with Suitable 1.5mm thick PVC Conduites with required all materials etc.(Rate Including Wiring From DB to Socket+ 5ASwitch Cum Socket) Note : All Switches fixed above Table and Sockets Below Tables.				
	Supply	36	Pts		
	Fixing	36	Pts		
9.2	Supply and wiring of 2x2.5+1.5SqmmCopper Multi Stand Pvc Insulated wire with 3 No of 5A Switches and 3 No of Sockets UPS Power Points from First Table to Second Table 5A Sockets to Looping Circuits with Suitable 1.5mm thick PVC Conduites with required all materials etc.(Rate Include Wire Looping from 5A Sockets to Other Table 5A Sockets + Switch Cum Socket)				
	Supply	18	Pts		
	Fixing	18	Pts		
10	LIGHT FITTINGS				
	Supply and Fixing of the following light fittings complete with lamp/Tubes. The fixtures shall be installed with supply of all materials such as Teakwood round block, balancing socket, conduit pipe, nipples, cheaknuts, bolts, nuts, PVC flexible hose, suspension rod/chain clamps/Connection wire from Ceiling Rose to fittings, Exhaust Fan Point Required all Materials etc.				
10.1	24"X24" LED Panel FIXTURE (ABL12B406 of Panasonic or LHEWDRP7UL1W045 of Havells or equavalent)	60	Nos		
10.2	15W LED Panel FIXTURE (ADL07R156 of Panasonic or LHEBJNP7IN1W015 of havells or equavalent)	70	Nos		
10.4	1X36w Copper Choke Miroлта fittings(Model Philips Make: TMS 2001/140 HPF) /Equilent	6	Nos		
10.6	Fixing of 48" High Speed Cromption Ceiling Fan with suitable down roads Fan Hooks etc.	4	Nos		

10.7	Fixing of 16" Wall Monting Fan cromption Make with suitable all fixing Materials etc.	30	Nos		
10.8	Havy Duty Exhaust Fans 12"(Cromption)	8	Nos		
11	<u>EARTHING</u>				
11.1	Supply, fixing, testing& commissioning of earthing Earthpit with Copper plate 600x600x3mm thick, 25x3mm Copper Flat 40mm GI pipe, chorcoal, salt, funnel, mesh, cover etc. digging depth up to 7'	4	Nos		
11.2	Supply, fixing, testing& commissioning of earthing Earthpit with GI plate 600x600x3mm thick, 25x6mm Gi flat, 40mm GI pipe, chorcoal, salt, funnel, mesh, cover etc. digging depth up to 7'	4	Nos		
11.3	Supply and fixing of earthing Flat 25x6mm Gi flat	130	Mtrs		
11.3	Supply and fixing of earthing Flat 25x3mm Copper flat	65	Mtrs		
11.4	Supply and fixing of 8SWG bare Copper wire with suitable PVC conduit required all materials etc.	146	Mts		
11.4	Supply and fixing of 8SWG bare GI wire with suitable PVC conduit required all materials etc.	146	Mts		
12	<u>Telephone</u>				
12.1	Supply and fixing of RJ 11 Telephone socket with 2 Pair Telephone Cable From Each Table to EPABX , this include suitable Surface/conceiled box and required all materials this Includes Supply and fixing of Suitabl PVC Conduites and Cable Numbers to provided.				
	Supply.	60	Sets		
	Fixing	60	sets		
12.2	Supply and Wiring of Telephone Points Wiring with 10 Pair Copper cable and suitable conduites,required all materials etc.				
	Supply.	172	Mts		
	Fixing	172	Mts		
12.3	Supply and fixing of Telephone 30 Pair Tag Box with Crone Connectors.				
	Supply.	3	no		
	Fixing	3	no		
12.3	Supply and fixing of Telephone 100 Pair Tag Box with Crone Connectors.				
	Supply.	1	no		
	Fixing	1	no		

13	LAN CABLING / POINTS				
13.1	Supply and fixing of CAT-6 24 Port Jack Panel with all cables terminatins	Rate Only			
13.2	Supply and fixing of 9U Rack with accessories (Self, Cable Manager, Power Manager etc)	Rate Only			
13.3	Supply and fixing of 24 port switch with all connections.	Rate Only			
13.4	Supply and fixing of Factory Crimped CAT 6 Patch cords 3'	45	Nos		
13.5	Supply and fixing of Factory Crimped CAT 6 patch cords7'	45	Nos		
13.6	Supply and laying of CAT6 Cable with PVC Conduites, feruule nos and all connections including LAN Drawings.	90	Pts		
13.7	Supply Installation of CAT 6 Information outlets	90	Nos		
14	MUSIC SYSTEMS.				
14.1	SFTC of Music Systems Speakers 8" duel cone, 8ohms, Each with 100V Line Transformer and including 46 Stands twin twisted Copper Wire drawn Suitable 1.5mm thick PVC Conduites with required all materials and Connections tape Player Provided at Centralized Points.(Dicided Bank)(All Speakears Connected Series)				
	Supply.	12	Pts		
	Fixing	12	Pts		
14.2	Providing and fixing of Amplifier for Caset Player and Should be Connected Computer (Multi Media) to Play the CDs, Amplifier Should be 100V Line And Suitable to Connection of Computer etc(Philips or Ahuja) UPA 2000 and Philips Redio/FM/Cd Player Set				
	Supply	1	Set		
	Fixing	1	Set		
TOTAL AMOUNT : I : ZONAL OFFICE					

II	SULTAN BAZAR BRANCH				
	Wiring				
	Note: All Light/Ceiling Fan/Wall Mounting/Exhaust Fan/Bell Points Cost Including Circuit Wiring				
1	Supply and wiring of Light and fan Points with Switch, MS Box, Plate and also Suitable Size 1.5mm thick PVC Conduites with 3x1.5Sqmm Copper multistand flexible pvc insulated cable with required all Materials etc.(Rate Including the circuit wiring from Lighting Distribution Board to Switch Board Wiring 2x2.5+1.5Sqmm Wire and PVC Conduites)ALL WIRES FRLS AND SWICHES /SOCKETS MODULAR RANGE				
1.1	Primary Point				
	Supply.	40	Pts		
	Wiring	40	Pts		
1.2	Looping/Secondary Point(Without switch)				
	Supply.	20	Pts		
	Wiring	20	Pts		
1.3	Supply and wiring of Bell point with bell Push and Ding Dong Bell with Suitable 1.5mm thick PVC Conduites with 3x1.5Sqmm earth wire Copper multistand flexible pvc insulated wires and 5A Switch cum sockets with Surface/Conceiled Box with required all materials etc.				
	Supply	1	set		
	Fixing	1	set		
1.4	Supply and wiring of Wall Monting Fan points from Near Switch Board with Suitable 1.5mm thick PVC Conduites with 3x1.5Sqmm earth wire Copper multistand flexible pvc insulated wires and 5A Switch cum sockets with Surface/Conceiled Box with required all materials etc.				
	Supply	16	set		
	Fixing	16	set		

1.5	Supply and wiring of Ceiling Fan points With Electronic Step type type Regulators and 1.5mm thick PVC Conduites 3x1.5Sqmm earth wire Copper multistand flexible pvc insulated wires and 5A Switch cum sockets with Surface/Conceiled Box with required all materials etc.				
	Supply	3	set		
	Fixing	3	set		
1.6	Supply and wiring of 2x2.5+1.5Sqmm Copper Multi Stand Pvc Insulated wire with 5A Switch Cum Sockets Raw Power Points from DB To First 5A Sockets Circuits with Suitable 1.5mm thick PVC Conduites with required all materials etc.(Rate Including Wiring From DB to Socket+ 2 no of 5ASwitch Cum Socket)				
	Supply	4	Pts		
	Fixing	4	Pts		
1.7	Supply and wiring of 2x2.5+1.5SqmmCopper Multi Stand Pvc Insulated wire with 5A Switch Cum Sockets Raw Power Points from First 5A Sockets to Looping Circuits with Suitable 1.5mm thick PVC Conduites with required all materials etc.(Rate Include Looping from 5A Socket to Other Table 5A Sockets (Socket to Socket Means Not Side by side) + 2 no of Switch Cum Socket)				
	Supply	3	Pts		
	Fixing	3	Pts		
1.8	Supply and wiring of 2x4.0+2.5Sqmm Copper Multi Stand Pvc Insulated wire with 6/16A Switch Cum Sockets Power Points from DB to 16A Sockets set with suitable 1.5mm thick PVC Conduites with required all materials etc.(Rate Including Wiring From DB to Socket+ 16ASwitch Cum Socket)				
	Supply	3	Pts		
	Fixing	3	Pts		
2	SubMains and Mains				
2.1	Supply and wiring of Raw Power with Suitable 1.5mm thick PVC Conduites and 2x2.5 Sqmm +1.5Sqmm earth wire Copper multistand flexible pvc insulated wires with required all materials etc.				
	Supply.	45	Mts		
	Wiring	45	Mts		

2.2	Supply and wiring of Circuits for RAW Power/Sign Board with Suitable 1.5mm thick PVC Conduites and 2x4.0 Sqmm +2.5Sqmm earth wire Copper multistand flexible pvc insulated wires with required all materials etc.				
	Supply.	30	Mts		
	Wiring	30	Mts		
2.3	Supply and wiring of Circuits for Inputs with Suitable 1.5mm thick PVC Conduites and 4x6.0 Sqmm +4.0Sqmm earth wire Copper multistand flexible pvc insulated wires with required all materials etc.				
	Supply.	30	Mts		
	Wiring	30	Mts		
2.4	Supply and wiring of Circuits for Input with Suitable 1.5mm thick PVC Conduites and 2x6.0 Sqmm +4.0Sqmm earth wire Copper multistand flexible pvc insulated wires with required all materials etc.				
	Supply.	90	Mts		
	Wiring	90	Mts		
2.5	Supply and wiring of Circuits with Suitable 1.5mm thick PVC Conduites and 2x10.0 Sqmm +6.0Sqmm earth wire Copper multistand flexible pvc insulated wires with required all materials etc.				
	Supply.	15	Mts		
	Wiring	15	Mts		
2.6	Supply and wiring of Circuits with Suitable 1.5mm thick PVC Conduites and 4x10.0 Sqmm +4.0Sqmm earth wire Copper multistand flexible pvc insulated wires with required all materials etc.				
	Supply.	16	Mts		
	Wiring	16	Mts		
2.7	Supply and wiring of Circuits for Acs with Suitable 2mm thick PVC Conduite and 2x4.0 Sqmm +2.5Sqmm earth wire Copper multistand flexible pvc insulated wires with Supply and fixing of Metal Clad socket and 25/32A SP MCB and all required all materials etc.(All Stabilisers fixed at Near Panel Room)				
	Supply.	6	set		
	Wiring	6	set		

2.8	Supply and fixing of 4 pole 32/63A MCB with 4 Pole Encloser with 4 runs of 6 sqmm PVC insulated multistranded copper conductor wire and 2 run of 2.5 sq,mm earth wire in heavy guage 25mm dia PVC Conduites concealed in wall or with suitable width casing and capping of approved quality alongwith required accessories when laid on ceiling				
	Supply.	2	set		
	Wiring	2	set		
3	SWITCH CUM SOCKETS				
3.1	Supply and fixing of 1No 6A Sockets with 6A Switch control for Raw/UPS Power with Suitable Surface/MS boxes etc.				
	Supply	4	Nos		
	fixing	4	Nos		
3.2	Supply and fixing of 1No 6A Sockets with 6A Switch control for above Switch Control Boards with suitable Surface/MS Boxes etc.Including Connections				
	Supply	4	Nos		
	fixing	4	Nos		
3.3	Supply and fixing of 2No of 6A Sockets with 2 No of 6A Switch control for Raw/UPS Power with Suitable Surface/MS boxes etc.				
	Supply	20	Nos		
	fixing	20	Nos		
3.4	Supply and fixing of 3No of 6A Sockets with 2 No of 6A Switch control for Raw/UPS Power with Suitable Surface/MS boxes etc.				
	Supply	22	Nos		
	fixing	22	Nos		

4	Main Panel and Sub DBs				
4.1	Supply and fixing testing and Commissioning of Electrical Main Panel Board fixed in a floor Mounted Cubicle Panel with provision such as connector blocks, Cable chambers, Earthbuses, Main Copper busbar Powder Coated semens grey Colour, the Panel Should be fabricated as for IE rules and as for the best engineering Practieswith Required Grouting work and Material as follows				
	Main Switch--250 A 4 Pole MCCB-1 No 250A HPL Change Over Switch,				
	R, Y, B Indicator --3Nos				
	Digital Meter: Voltage, Amps With Selector Switchs				
	Outgoing: 100A MCCB- 2 Nos63 TPN MCBs -3 Nos, 32A TPN MCBs- 3 Nos, 10-32A SP MCBs -18 Nos and 10KVAR MPPH L& T Capacitor Banks Connected to 32A TP MCBs- 1 Nos				
	with Required Internal wiring etc.				
	Supply	rate	Set		
	fixing	rate	Set		
4.2	Supply & Installation, testing and Commissioning of the 8 way Vertical TPN Double door DB with125A 3Pole,25KA MCCB-1No as incomer,and Outgoings-63A TP MCBs-3Nos,32A TP MCBs-2 Nos, 10/32A SP MCbs-9 Nos and required all Materials etc.(MDS Legrand)				
	Supply	1	Nos		
	fixing	1	Nos		
4.3	Supply & Installation, testing and Commissioning of the 4 way Vertical TPN Double door DB with 63A 4Pole MCB-1No as incomer,and Outgoings- 10/32A SP MCbs-12 Nos and required all Materials etc.(MDS Legrand)				
	Supply	1	Nos		
	fixing	1	Nos		
4.4	Supply & Installation, testing and Commissioning of the 8 way ETPN Double door DB with 63A MCB-1No as incomer,and Outgoings- 10/32A SP MCbs-24 Nos and required all Materials etc.(MDS Legrand)				
	Supply	1	Nos		
	fixing	1	Nos		

4.5	Supply & Installation, testing and Commissioning of the 4 way ETPN Double door DB with 63A 4Pole 100ma EL MCB-1No as incomer, and Outgoings- 10/32A SP MCbs-12 Nos and required all Materials etc.(MDS Legrand)				
	Supply	1	Nos		
	fixing	1	Nos		
4.6	Supply & Installation, testing and Commissioning of the 12 way SPN Double door DB with 63/32A 2Pole MCB-1No as incomer, and Outgoings- 10/32A SP MCbs-10 Nos and required all Materials etc.(MDS Legrand)				
	Supply	2	Nos		
	fixing	2	Nos		
4.7	AC DB: Supply and fixing of 4 Pole Encloser with 4 Pole 63A MCB-1No.				
	Supply	1	Nos		
	fixing	1	Nos		
4.8	Supply and fixing of 20A 3Pin Metal clad socket with 32A SP MCB and required all Materials etc.				
	Supply	1	Nos		
	fixing	1	Nos		
5	<u>Power Cable Supply</u>				
5.1	Supply of 3.5Cx150Sqmm LT Al armoured cable WITH 10 swg Copper wire 2 runs	45	Mtrs		
6	<u>Power Cable Laying</u>				
6.1	Laying of 3.5Cx150Sqmm LT Al armoured cable	45	Mtrs		
7	<u>Cable End Trminations</u>				
7.1	3.5Cx150Sqmm Cable end Terminations	4	sets		

8	Raceways/ PVC counduit				
	Fabrication, Supply, installation of Al Floor raceway 2.0mm(3 equal partition as per following sizes) having 40mm depth with junction Box as for following sizes in flooring including chipping, chiseling of floor and making zarry and all related civil works.(The Floor trunking sample shall be approved by clint/architect/consultant before installation)				
8.1	25mm				
	Supply	Rate	Mts		
	Fixing	Rate	Mts		
8.2	32mm				
	Supply	Rate	Mts		
	Fixing	Rate	Mts		
8.3	38mm				
	Supply	Rate	Mts		
	Fixing	Rate	Mts		
8.4	300x 300 x 50 mm, Floor JB with MS Sheet of 14 guage Powdwe Coated with chamfered corners				
	Supply	1	Nos		
	Fixing	1	Nos		
8.5	150 x 150 x 50 mm, Floor JB with MS Sheet of 14 guage Powdwe Coated with chamfered corners				
	Supply	1	Nos		
	Fixing	1	Nos		
8.6	100 x 100 x 50 mm, Floor JB with MS Sheet of 14 guage Powdwe Coated with chamfered corners				
	Supply	1	Nos		
	Fixing	1	Nos		

9	UPS Wiring				
9.1	Supply and wiring of 2x2.5+1.5Sqmm Copper Multi Stand Pvc Insulated wire with 3 No of 5A Switch and 3 No of Sockets UPS Power Points from DB To First Set of 5A Sockets Circuits with Suitable 1.5mm thick PVC Conduites with required all materials etc.(Rate Including Wiring From DB to Socket+ 5ASwitch Cum Socket) Note : All Switches fixed above Table and Sockets Below Tables.				
	Supply	16	Pts		
	Fixing	16	Pts		
9.2	Supply and wiring of 2x2.5+1.5SqmmCopper Multi Stand Pvc Insulated wire with 3 No of 5A Switches and 3 No of Sockets UPS Power Points from First Table to Second Table 5A Sockets to Looping Circuits with Suitable 1.5mm thick PVC Conduites with required all materials etc.(Rate Include Wire Looping from 5A Sockets to Other Table 5A Sockets + Switch Cum Socket)				
	Supply	12	Pts		
	Fixing	12	Pts		
10	LIGHT FITTINGS				
	Supplying and Fixing of the following light fittings complete with lamp/Tubes. The fixtures shall be installed with supply of all materials such as Teakwood round block, balancing socket, conduit pipe, nipples, cheaknuts, bolts, nuts, PVC flexible hose, suspension rod/chain clamps/Connection wire from Ceiling Rose to fittings, Exhaust Fan Point Required all Materials etc.				
10.1	24"X24" LED Panel FIXTURE (ABL12B406 of Panasonic or LHEWDRP7UL1W045 of Havells or equavalent)	24	Nos		
10.2	15W LED Panel FIXTURE (ADL07R156 of Panasonic or LHEBJNP7IN1W015 of Havells or equavalent)	36	Nos		
10.4	1X36w Copper Choke Miroлта fittings(Model Philips Make: TMS 2001/140 HPF) /Equilent	6	Nos		
10.6	Fixing of 48" High Speed Crompton Ceiling Fan with suitable down roads Fan Hooks etc.	3	Nos		
10.7	Fixing of 16" Wall Monting Fan crompton Make with suitable all fixing Materials etc.	16	Nos		
10.8	Havy Duty Exhaust Fans 12"(Crompton)	4	Nos		

11	<u>EARTHING</u>				
11.1	Supply, fixing, testing & commissioning of earthing Earthpit with Copper plate 600x600x3mm thick, 25x3mm Copper Flat 40mm GI pipe, chorcoal, salt, funnel, mesh, cover etc. digging depth up to 7'	2	Nos		
11.2	Supply, fixing, testing & commissioning of earthing Earthpit with GI plate 600x600x3mm thick, 25x6mm Gi flat, 40mm GI pipe, chorcoal, salt, funnel, mesh, cover etc. digging depth up to 7'	2	Nos		
11.3	Supply and fixing of earthing Flat 25x6mm Gi flat	50	Mtrs		
11.4	Supply and fixing of 8SWG bare Copper wire with suitable PVC conduit required all materials etc.	100	Mts		
12	<u>Telephone</u>				
12.1	Supply and fixing of RJ 11 Telephone socket with 2 Pair Telephone Cable From Each Table to EPABX , this include suitable Surface/conceiled box and required all materials this Includes Supply and fixing of Suitabl PVC Conduites and Cable Numbers to provided.				
	Supply.	8	Sets		
	Fixing	8	sets		
12.2	Supply and Wiring of Telephone Points Wiring with 10 Pair Copper cable and suitable conduites, required all materials etc.				
	Supply.	45	Mts		
	Fixing	45	Mts		
12.3	Supply and fixing of Telephone 30 Pair Tag Box with Crone Connectors.				
	Supply.	1	no		
	Fixing	1	no		
12.3	Supply and fixing of Telephone 100 Pair Tag Box with Crone Connectors.				
	Supply.	Rate Onl	no		
	Fixing	Rate Onl	no		

13	LAN & LAN CABLING(Including E- LOBBY & ATM points)			
13.1	Supply and fixing of CAT-6 24 Port Jack Panel with all cables terminatins	Rate Only		
13.2	Supply and fixing of 9U Rack with accessories (Self, Cable Manager, Power Manager etc)	Rate Only		
13.3	Supply and fixing of 24 port switch with all connections.	Rate Only		
13.4	Supply and fixing of Factory Crimped CAT 6 Patch cords 3'	21	Nos	
13.5	Supply and fixing of Factory Crimped CAT 6 patch cords 7'	21	Nos	
13.6	Supply and laying of CAT6 Cable with PVC Conduites, feruule nos and all connections including LAN Drawings.	42	Pts	
13.7	Supply Installation of CAT 6 Information outlets	42	Nos	
14	MUSIC SYSTEMS.			
14.1	SFTC of Music Systems Speakers 8" duel cone, 8ohms, Each with 100V Line Transformer and including 46 Stands twin twisted Copper Wire drawn Suitable 1.5mm thick PVC Conduites with required all materials and Connections tape Player Provided at Centralized Points.(Dicided Bank)(All Speakears Connected Series)			
	Supply.	6	Pts	
	Fixing	6	Pts	
14.2	Providing and fixing of Amplifier for Caset Player and Should be Connected Computer (Multi Media) to Play the CDs, Amplifier Should be 100V Line And Suitable to Connection of Computer etc(Philips or Ahuja) UPA 2000 and Philips Redio/FM/Cd Player Set			
	Supply	1	Set	
	Fixing	1	Set	
TOTAL AMOUNT : II : SULTAN BAZAR BRANCH				

	TOTAL : I : ZONAL OFFICE
	TOTAL : II : SULTAN BAZAR BRANCH
TOTAL AMOUNT : I + II :	
Discounts If Any	
TOTAL AMOUNT (After Discount)	

GENERAL NOTES:

- 1 Laying of MS/PVC Conduits above the Ceiling/Wall or Concealed on the wall/Floor With Required Civil works
- 2 Conduit Fixing on the wall/Ceiling with Base Saddles/Spacers and Making them good.
- 3 All MS/PVC Conduits/ Light Fittings Should take Support on Ceiling only Not on False ceiling.
- 4 Any Material to Use at site Should inform Concern Authority/Consultant.
- 5 All Materials Should be use as for Specification if any Variation inform Concern Authority/Consultant
- 6 All Electrical Wires should be used colour codes (Green Colour wire should be use Earthing only)
- 7 All Lighting Circuits/AC Units/ UPS Wiring shall be Numbered ferrules at both ends.
- 8 Power Wiring and Data cable Should Maintained Minimum 3 feet distance are More.
- 9 Suitable No of Wires Shall be Use on Suitable Conduits Should not overfull.
- 10 Sufficient Extra wire Required for Fittings Removing/Repairing work Without Disconnection of Wires.
- 11 Rates are Inclusive of all Taxes and Material Transport etc.
- 12 Rates are Inclusive of Material Transport, Persons TA, DA etc.
- 13 Working time Should quardnate to Interior Contractor for Removing of Existing Connections.
- 14 As for Convenet to Remove and Reconnection for Branch Daily Operation without Trobles.
- 15 Contractors Should be Registered to VAT
- 16 Contractors Should be Licenced from CEIG of Govt.