

**B.O.Q FOR ELECTRICAL WORK FOR CANARA BANK , CIRCLE OFFICE (GROUND FLOOR)
BHUBANESWAR.**

SL.N O.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT
1. WIRING TO POINTS					
1.0	Concealed conduit wiring to light, ceiling fan, exhaust fan points with (2x1.5 sq mm + 1(1x1sqmm) PVC single core copper wire in PVC/ Super polythene pipe with galvanized iron junction & switch boxes & clip in type 6 Amp modular type switches with all accessories, T&P & as directed by the Engineer-in-charge.				
	1. Primary (1 light/fan controlled by one switch)	Nos.	14.00		
	2. Secondary point (2 lights controlled by 1 switch)	Nos	15.00		
	3. Primery point (wall fan controlled by 1 switch and one 5 Amp. socket)	Nos	13.00		
	4 .Recess conduit wiring to 6 Amp plug socket with switch on existing board as above.	Nos.	4.00		
2.0	Concealed conduit wiring to 6/16 Amp plug socket with switch on separate board with (2x1.5 sq mm + 1(1x1sqmm) PVC single core copper wire in PVC/ Super polythene pipe with galvanized iron junction & switch boxes & clip in type 6 Amp modular type switches with all accessories, T&P & as directed by the Engineer-in-charge at counter/table.	Nos	18.00		
3.0	Concealed conduit wiring to 20 Amp plug socket with switch on separate board with (2x2.5 sq mm + 1(1x1.5 sqmm) PVC single core copper wire in PVC/ Super polythene pipe with galvanized iron junction & switch boxes & clip in type 15 Amp modular type switches with all accessories, T&P & as directed by the Engineer-in-charge at strong room / cash counter.	Nos	2.00		
4.0	Supply of all required materials and wiring to circuits/ submains with following number and sizes of PVC insulated 1100 volt grade standard copper wire run inside pre-laid PVC conduit pipe of ISI mark as required and copper wire as earth continuity conductor and complete in all respect including making good to all damages caused and as per the direction of Consultant and Engineer-in-charge.				
A	Concealed wiring with 2x(1x2.5sqmm) +1x(1x1.5sqmm) copper wire (LDB to Switch board)	Mts	80.00		
B	Concealed wiring with 2x (1x4sqmm) + 1x (1x2.5sqmm) copper wire (PANEL to.LDB)	Mts	90.00		
5.0	Supplying & fixing of company made & wired with double door arrangement DB of approved make with following arrangement.				
A	L.D.B (PREMIUM TYPE)	Set	1.00		
	8way SP DB				
	Incoming 1 No. 40A, DP RCBO, Sensitivity 300mA				
	Out going 6 No. 6-10 A SP MCB				

SL.N O.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT
	2.COMPUTER WIRING				
1.0	Supply of all required materials and wiring to circuits/ submains with following number and sizes of PVC insulated 1100 volt grade standard copper wire run inside pre-laid PVC conduit pipe of ISI mark as required and copper wire as earth continuity conductor and complete in all respect including making good to all damages caused and as per the direction of Consultant and Engineer-in-charge.		.		
A	Concealed wiring with 2x(1x2.5sqmm) +1x(1x1.5sqmm) copper wire (CDB to Comput switch board)	Mts	250.00		
B	Concealed wiring with 2x (1x4sqmm) + 1x (1x2.5sqmm) copper wire (UPS OUT PUT to CDB)	Mts	150.00		
2.0	Supplying & fixing of company made & wired with double door arrangement DB of approved make with following arrangement.				
A	C.D.B (PREMIUM TYPE)	SET	2.00		
	12 way SPN DB				
	Incoming 1 No. 32A DP ELCB				
	Out going 10 No. 6-10A SP MCB				
3.0	Supplying & fixing of computer terminal boxes made of G.I. fitted with (2 nos. of 6 Amp switches + 4 nos. 6Amp socket + indicator), all clip in modular type & as per direction of Engineer-in-charge.	SET	18.00		
4.0	Chemical Earthing using Electrode of size 80 mm dia, 3 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.	SET	1.00		
5.0	Supply of all required materials & wiring to clip in modular type 4 No. of 6/16 amp socket points controlled by 4 No of 16 amp switch with indicator complete in all respect including making good to damages caused as per direction of EIC for Hub connection / printer supply .	SET	1.00		
6.0	The earth lead by 8sq.mm bare cupper wire in GI pipe to connect from earth electrodes to UPS outgoing earth bus & as per direction of Engineer-in-charge.	Mts	40.00		
7.0	Concealed conduit wiring to light in UPS with (2x1.5 sq mm + 1(1x1sqmm) PVC single core copper wire in PVC/ Super polythene pipe with galvanized iron junction & switch boxes & clip in type 6 Amp modular type switches with all accessories, T&P & as directed by the Engineer-in-charge.				
A	1. Primary I light controlled by one switch in UPS	Nos.	3.00		

SL.N O.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT
3.A.C POINT WIRING					
1.0	Supply of all required materials and wiring to circuits/submains with following number and sizes of PVC insulated 1100 volt grade standard copper wire run inside pre-laid PVC conduit pipe of ISI mark as required and copper wire as earth continuity conductor and complete in all respect including making good to all damages caused and as per the direction of Consultant and Engineer-in-charge.				
A	Recessed wiring with 2x (1x4sqmm) + 1x (1x2.5sqmm) copper wire (PANEL/A.C.D.B. to A.C points)	Mts	30.00		
B	Wiring for power plug with 4X4 sq. mm FR PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit along with 2 Nos. 4 sq. mm FR PVC insulated copper conductor single core cable for loop earthing as required.	Mts	80.00		
C	Wiring for power plug with 16 sqmm armored cable 3 1/2 core in surface/ recessed medium class PVC conduit along with 2 Nos. 4 sq. mm FR PVC insulated copper conductor single core cable for loop earthing as required.	Mts	40.00		
2.0	Supplying & fixing of company made & wired with double door arrangement DB of approved make with following arrangement.				
	A.C DB (PREMIUM TYPE)	Set	1.00		
	4 way TPN DB				
	Incoming 1 No. 100A 4P MCCB				
	Out going 2 No. 63A TPN MCB				
	2 No. 32A DP MCB				
3.0	Supply of all required materials and wiring to AC plug point with 2 (1x4sqmm) PVC insulated copper wire run inside screw type PVC conduit pipe with ISI market laid on surfaced/recessed of wall/ceiling alongwith 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 boxes with cover, wire, 20A SPN metalclad plug socket, metallic switch box for plug, junction box etc complete with making good the damages caused as required and as per direction of Engineer in charge.	Nos.	1.00		
4.0	Supply and fixing of 1 no of L&T or equivalent make, 20/32A, 415 V, 3- phase, combined box type motor starter outlet with all required materials including internal connections and testing.	Nos.	2.00		
4. FITTINGS OF FIXTURES (Fitting charge only)					
fittings will be Supplied by Bank.					
1.0	Installation and testing of recess light mirror optics fittings (36-40wt) of size 2'-0"x2'-0" of phillips/Crompton/Wipro with all accessories complete assembly of as required as per direction of Architect	Nos.	17.00		
2.0	Installation and testing of LED Spot light mirror optics, fittings (6-9wt) with all accessories complete assembly of philips/Crompton/Wipro as required as per directon of Architect.	Nos.	9.00		

SL.N O.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT
3.0	Installation and testing of LED Spot light mirror optics, fittings (9-11wt) with all accessories complete assembly of philips/Crompton/Wipro as required as per directon of Architect.	Nos.	2.00		
4.0	Installation and testing of single tube lights patty fittings (1x20wt) LED of surface mounting with all accessories complete assembly of Philips/ Crompton/ Syska as required as per direction of Engineer in charge.	Nos	2.00		
5.0	Installation and testing of flexible LED strip of 5MTR of philips/Crompton/Wipro make along with electronic driver for30w flexi LED strip	Nos	14.00		
6.0	Fitting of 450 mm sweep Wall fan of approved make .	Nos.	13.00		
7.0	Supply,installation and testing of Angle Holder with LED Light fittings (1x9wt) of surface mounting with all accessories complete as required as per direction of Engineer in charge.	Nos.	3.00		
8.0	Fitting of 400 mm sweep Exhust fan of approved make .	Nos.	2.00		
7.DATA / TELEPHONE WAIRING					
1.0	Supply of all required materials and laying of CAT-5 E LAN wairing from server to Hub and Hub to coputer number and sizes of PVC insulated of approved brand (D-Link/Digilink/Amps) run inside pre-laid PVC conduit pipe of ISI mark as required and copper wire as earth continuity conductor and complete in all respect including making good to all damages caused and as per the direction of Consultant and Engineer-in-charge.	Mts	400.00		
2.0	Supply of all required materials and laying of CAT-6 LAN wairing from server to Hub and Hub to coputer number and sizes of PVC insulated of approved brand ((D-Link/Digilink/Amps) run inside pre-laid PVC conduit pipe of ISI mark as required and copper wire as earth continuity conductor and complete in all respect including making good to all damages caused and as per the direction of Consultant and Engineer-in-charge.	Mts	400.00		
3.0	Supply , fixing of all required with Dual RJ 45 connector with cat – 6-LANand cat-5 cable with termination & 2Mt. Patch code with complete in all respect including IO box of (D Link / Amps) as per direction of EIC .make : D link wire / box.	Nos.	18.00		
4.0	Supply , fixing of all required with RJ 45 connector with cat – 6-LANwith termination & 2Mt. Patch code with complete in all respect including IO box of (D Link / Amps) as per direction of EIC .make : D link wire / box.	Nos.	2.00		
5.0	Supply , fixing , testing of phone point with suitable GI boxes with phone , socket complete in all respect as per direction of EIC .	Nos.	4.00		
6.0	Providing and fixing 50 pair kron box including all accessories and labour as per direction of engineer in charge.	No.	1.00		
7.0	Providing and fixing phone hand set of Beutel/ BPL make (black colour) with speaker and caller Id as per direction including all accessories, labour and materials.	No.	20.00		
8.0	Providing and fixing 12 U rack with rack accessarory i.e fan , bolts , power distribution box , cable manager etc.of (Val Rack/ Net Rack/ APW)	Nos.	1.00		
TOTAL					

Total amount in words:-