

BOQ - ELECTRICAL WORKS AT "REGIONAL OFFICE" CANARA BANK AGRA

S.NO	Description of items	Quantity	Unit	Rate	Amo. in RS
1	Dismantling existing of wiring, light and fan point, and data cabling etc	1.00	Job		
	Light & Fan point				
2	Supply and fixing of light & Fan points with 2No.s of 1.00 Sq. mm PVC insulated copper cable in PVC conduit and PVC accessories like bend, J- Box, MS box, suitable sheet, 5Amp. One way switch modular type (shocket 5 pin 6 Amp for light plug point) fixing the pipe and with chasing of wall and making it good with cement mortor 1:5. Some points may require ceiling rose or baton holder with 2 no.s of 2.5 sqmm and one no. of 1.00 sqmm copper conductor cable from L & F DB to switch board as submain wiring complete in all respect including connection, testing and commissioning etc. complete.	96.00	No.s		
a	Primary point (one point controlled by one 6 Amp. Switch)				
b	Secondary point (Two point controlled by one 6 Amp. Switch)	17.00	No.s		
3	POWER POINTS				
	Supply and fixing of power points with MS Box, sheet and 16 Amp. Switch modular type and shocket making with chasing of wall and making it good with cement mortor 1:5 , WITH 2 NO.S OF 2.50 SQMM AND ONE NO. OF 1.00 SQMM copper conductor cable from DB to power point as submain wiring complete in all respect including connection and testing, PVC conduit etc. complete.				
a	Primary points (one point controlled by one 6 Amp. Switch)	35.00	No.s		
b	Secondary point (Two point controlled by one 6 Amp. Switch)	8.00	No.s		
4	TELEPHONE POINT				
	Supply and Fixing 1 No. of Telephone shocket modular type with MS Box and suitable sheet, PVC conduits and PVC accessories including chasing of walls and making it good with cement mortor 1:5 including 2 pair telephone wire with connection and testing etc. complete.	60.00	No.s		
5	UPS POINT				
	Supply and Fixing UPS, output terminal Box with 1 No. of 16 Amp 6 pin socket modular type and 2 No.s of 6 Amp. 5 pin shocket, 1 No. of 6 Amp. Switch with suitable sheet and MS box (PVC Box) making with chasing of walls and making it good with cement mortor including 2 no.s of 2.5 sqmm and 1.00 sqmm copper conductor cable from DB to UPS point as submain wiring connection , conetction, testing etc. complete.The item shall also include the supply and fixing of conduit ,etc. wherever chasing not possible.				
a	One point controlled by one no. SP MCB	28.00	No.s		
b	Four point controlled by one no. SP MCB	7.00	No.s		
6	AC Points				

	Supply and Fixing of indoor AC supply point with 2 no.s of 1.5 sqmm and one no. of 1.0 sqmm PVC insulated copper conductor cable including PVC conduit and 16Amp switch & socket moduler type with mounting box & phase plate. The item shall also include the supply and fixing of	18.00	No.s		
7	WIRING				
	Supply and fixing of 2 No.s of 2.50 Sq. mm and 1 No. of 1.0 Sq mm PVC insulated copper conductor wires in and including PVC conduit fixing on walls or chassing the walls and making it good with cement mortar of 1:5 ratio including Connecting ,testing etc. compete for Light & fan circuits, power points, UPS output etc. & glow sign board.	230.00	Rmt.		
8	Supply and fixing of 2 No.s of 6.00 Sq. mm and 1 No. of 2.50 Sq mm PVC insulated copper conductor wires in and including PVC conduit fixing on walls or chassing the walls and making it good with cement mortar of 1:5 ratio including Connecting ,testing etc. compete for ac circuits , light and fan DB circuits , UPS incommer wiring , main conection wiring etc. complete distribution board.	120.00	Rmt.		
9	Supply ,fixing ,testing, commissioning of PVC insulated copper conductor 6 sqmm. 4 core XLPE cable with 1 no.s of 8 swg G.I. earth wire with proper sheddling / laying in wall including chasing end to end connection for UPS outgoing.	140.00	Rmt.		
10	Supply ,fixing ,testing, commissioning of PVC insulated copper conductor 10 sqmm. 4 core armoured XLPE cable with 2 no.s of 8 swg G.I. earth wire with proper sheddling / laying in wall incuding chasing end to end connection.	260.00	Rmt.		
11	Supply ,fixing ,testing, commissioning of PVC insulated copper conductor 16 sqmm. 3.5 / 4 core armoured XLPE cable with 2 no.s of 8 swg G.I. earth wire with proper sheddling / laying in wall incuding chasing end to end connection.	50.00	Rmt.		
12	Supply ,fixing ,testing, commissioning of PVC insulated copper conductor 25 sqmm. 4 core armoured XLPE cable with 2 no.s of 8 swg G.I. earth wire with proper sheddling / laying in wall incuding chasing end to end connection.	180.00	Rmt.		
13	Supply, fixing, testing and commissioning of 10 pair telephone cable PVC insulated and copper conductor.	280.00	Rmt.		
	Distribution Board (All MCB's shall be C-curve)				
14	Supply and Fixing of 8 way SPN DB MS painted factory fabricated with 1 No. of 32 Amp DP MCB and 6 No.s of 6-32 Amp SP MCB complete with connection , testing,complete for Glow sign DB, C.C camera & fire detection system.	1.00	Nos.		
15	Supply, fixing, testing and commissioning of 4 way TPN MCB DB factory fabricated with 12 Nos. of 6-32 Amp SP MCB and 1 Nos. of 63 Amp. TPN MCB for L&F.	2.00	Nos.		

16	Supply, fixing, testing and commissioning of 8 way TPN MCB DB factory fabricated with 24 Nos. of 6-32 Amp SP MCB and 1 Nos. of 63 Amp. TPN MCB for Power point sets.	4.00	Nos.		
17	Supply, fixing, testing and commissioning of 63 Amp 4 pole MCCB 35KA with MS enclosure in UPS room.	1.00	Nos.		
18	Supply, fixing, testing and commissioning of 100 Amp. TPN copper bus bar having all nut bolt, washer & door type MS enclosure in UPS room.	4.00	Nos.		
19	Supply, fixing, testing and commissioning of 63 Amp 4 pole MCB with MS enclosure for UPS incomer & outgoing.	16.00	Nos.		
20	Supply, fixing, testing and commissioning of 200 pair telephone distribution box with MS enclosure and krone modules for 200 pairs with proper laying diagram.	1.00	Nos.		
	Fixture & Fittings				
21	Supply , fixing, testing and commissioning of 1200 mm sweep ceiling fan of crompton make , (Al. blade), 70 watts input power, 370 RPM, air delevry of 230CuM/Min with socket step type regulator etc. complete. (fan rod size as per site requirement)	30.00	No.s		
22	Same as above but 900mm ceiling fan.	2.00	No.s		
23	Supply, fixing, testing and commissioning of 400 mm sweep wall fan of crompton Grieves make (hi-flow wave module), 50 watts input power, 1300 RPM, air delevry of 60 CuM/Min.	7.00	No.s		
24	Supply & fixing of 7 watt. LED bulb of approved make with batten holder.	10.00	No.s		
25	Supply , fixing, testing and commissioning of 1 x 18 watt surface mounted LED batten fitting . (PHILIPS)	26.00	No.s		
26	Supply , fixing, testing and commissioning of 600mm X 600mm 36/40 watt recessed type high performance decorative LED luminaries. (PHILIPS , OSRAM & HAVELLS)	44.00	No		
27	Supply , fixing, testing and commissioning of LED down lighter . (Philips)	23.00	No		

28	Supply , fixing, testing and commissioning of exhaust fans/ Fresh air fan.	6.00	No		
	Earthing				
29	Supply , fixing, testing and commissioning of Earthing electrode with suitable digging and back fill compound (use 50 L Ishan make electrode & back fill compound).	6.00	No		
30	Supply and fixing of 25X3 MM G.I. strip from earth pit to Main board.	30.00	RM		
31	Supply , fixing, testing and commissioning of G.I. Earth link with not bolt etc complete.	5.00	No		
32	Main panel				
	Designing , manufacturing , installation , testing & commissioning of cubical type panel made from 16 SWG CRCA sheet (with MS chanel) for grouting on walls/ floor) complete with MCCBS , MCBs , Meter etc. complete in all respect , insulated bus bar with heat shrinkable PVS sleeve in suitable bus bar chamber , wiring name plate, danger plate , earth bus bar etc . comprising of compartment with hinged doors and rubber gas kit , bus bar chamber with bolted doors and rubber gas kit etc. the panel shall be of dust and vermin proof construction and to be painted primer and smoke grey paint in two coats . The panel should be comprises of following (degree of protection IP 54)				
	INCOMER				
	250 Amp 3 pole MCCB 25 KA with handle mechanism	1.00	No		
	R-Y-B phase indicator	1.00	No		
	OUTGOING				
	100 Amp 3 pole MCCB 25 KA	2.00	No		
	400 amp. Electrolytic aluminium bus bar	1.00	No		
	160 amp. MCCB 3 pole	1.00	No		
	63 amp.TPN MCB	8.00	No		
	Complete one job as per above description	1.00	Job		
	DATA CABLING				
34	Supply, fixing, connecting & testing of 24 port ethernet switch D-link make (model rack mounted type).	3.00	Nos		
35	S/F/T/C/ of patch panel 24 port	3.00	Nos		
36	Supply, fixing, testing and commissioning of patch cord 2.0 M D- link make.	70.00	Nos		
37	Supply, fixing, testing and commissioning of 1 No. of Info. Outlet box with PVC box, surface plate and RJ45 connector alongwith Cat 6E cable in suitable PVC conduits from networking rack to I.O.	60.00	Nos		

38	Supply, fixing, testing commissioning of 600mm depth 12 U rack with all accessories like power strip, ventilation fan, cable manager, two no.s tray etc complete.	2.00	Nos		
39	Supply , fixing, testing and commissioning of 2mm thk electrical insulation rubber mat of size 1m X 1m.	10.00	Nos		
40	S/F/T/C of 300x50x50 mm cable tray with suspended threted box including fastner and MS support with all Bending arrangement.	60.00	Rmt		
	Total Rs.				

BOQ - ELECTRICAL WORKS AT "RAH" CANARA BANK AGRA

S.NO	Description of items	Quantity	Unit	Rate	Amo. in RS
1	Dismantling existing of wiring, light and fan point, and data cabling etc	1.00	Job		
	Light & Fan point				
2	Supply and fixing of light & Fan points with 2No.s of 1.00 Sq. mm PVC insulated copper cable in PVC conduit and PVC accessories like bend, J- Box, MS box, suitable sheet, 5Amp. One way switch modular type (shoket 5 pin 6 Amp for light plug point) fixing the pipe and with chassing of wall and making it good with cement mortor 1:5. Some points may require ceiling rose or baton holder with 2 no.s of 2.5 sqmm and one no. of 1.00 sqmm copper conductor cable from L & F DB to switch board as submain wiring complete in all respect including connection, testing and commissioning etc. complete.				
a	Primary point (one point controlled by one 6 Amp. Switch)	55.00	No.s		
3	POWER POINTS				
	Supply and fixing of power points with MS Box, sheet and 16 Amp. Switch modular type and shocket making with chassing of wall and making it good with cement mortor 1:5 , WITH 2 NO.S OF 2.50 SQMM AND ONE NO. OF 1.00 SQMM copper conductor cable from DB to power point as submain wiring complete in all respect including connection and testing, PVC conduit etc. complete.				
a	Primary points (one point controlled by one 6 Amp. Switch)	17.00	No.s		
4	TELEPHONE POINT				
	Supply and Fixing 1 No. of Telephone shocket modular type with MS Box and suitable sheet, PVC conduits and PVC accessories including chassing of walls and making it good with cement mortor 1:5 including 2 pair telephone wire with connection and testing etc. complete.	14.00	No.s		
5	UPS POINT				

	Supply and Fixing UPS, output terminal Box with 1 No. of 16 Amp 6 pin socket modular type and 2 No.s of 6 Amp. 5 pin shocket, 1 No. of 6 Amp. Switch with suitable sheet and MS box (PVC Box) making with chassing of walls and making it good with cement mortor including 2 no.s of 2.5 sqmm and 1.00 sqmm copper conductor cable from DB to UPS point as submain wiring connection , connetction, testing etc. complete.The item shall also include the supply and fixing of conduit ,etc. wherever chasing not possible.				
a	One point controlled by one no. SP MCB	7.00	No.s		
b	Four point controlled by one no. SP MCB	3.00	No.s		
6	AC Points				
	Supply and Fixing of indoor AC supply point with 2 no.s of 1.5 sqmm and one no. of 1.0 sqmm PVC insulated copper conductor cable including PVC conduit and 16Amp switch & socket modular type with mounting box & phase plate. The item shall also include the supply and fixing of conduit, etc. wherever chasing not possible.	4.00	No.s		
7	WIRING				
	Supply and fixing of 2 No.s of 2.50 Sq. mm and 1 No. of 1.0 Sq mm PVC insulated copper conductor wires in and including PVC conduit fixing on walls or chassing the walls and making it good with cement mortar of 1:5 ratio including Connecting ,testing etc. compete for Light & fan circuits, power points, UPS output etc. & glow sign board.	150.00	Rmt.		
8	Supply and fixing of 2 No.s of 6.00 Sq. mm and 1 No. of 2.50 Sq mm PVC insulated copper conductor wires in and including PVC conduit fixing on walls or chassing the walls and making it good with cement mortar of 1:5 ratio including Connecting ,testing etc. compete for ac circuits , light and fan DB circuits , UPS incommer wiring , main conection wiring etc. complete distribution board.	60.00	Rmt.		
9	Supply ,fixing ,testing, commissioning of PVC insulated copper conductor 6 sqmm. 4 core XLPE cable with 1 no.s of 8 swg G.I. earth wire with proper sheddling / laying in wall incuding chasing end to end connection for UPS outgoing.	80.00	Rmt.		
10	Supply, fixing, testing and commissioning of 10 pair telephone cable PVC insulated and copper conductor.	100.00	Rmt.		
	Distribution Board (All MCB's shall be C-curve)				
11	Supply, fixing, testing and commissioning of 4 way TPN MCB DB factory fabricated with 12 Nos. of 6-32 Amp SP MCB and 1 Nos. of 63 Amp. TPN MCB for L&F.	2.00	Nos.		
12	Supply, fixing, testing and commissioning of 8 way TPN MCB DB factory fabricated with 24 Nos. of 6-32 Amp SP MCB and 1 Nos. of 63 Amp. TPN MCB for Power point sets.	1.00	Nos.		

13	Supply, fixing, testing and commissioning of 63 Amp 4 pole MCB with MS enclosure for UPS incomer & outgoing.	2.00	Nos.		
14	Supply, fixing, testing and commissioning of 50 pair telephone distribution box with MS enclosure and krone modules for 50 pairs with proper laying diagram.	1.00	Nos.		
	Fixture & Fittings				
15	Supply , fixing, testing and commissioning of 1200 mm sweep ceiling fan of crompton make , (Al. blade), 70 watts input power, 370 RPM, air delevry of 230CuM/Min with socket step type regulator etc. complete. (fan rod size as per site requirement)	9.00	No.s		
16	Supply, fixing, testing and commissioning of 400 mm sweep wall fan of crompton Grieves make (hi-flow wave module), 50 watts input power, 1300 RPM, air delevry of 60 CuM/Min.	2.00	No.s		
17	Supply & fixing of 7 watt. LED bulb of approved make with batten holder.	8.00	No.s		
18	Supply , fixing, testing and commissioning of 1 x 18 watt surface mounted LED batten fitting . (PHILIPS)	12.00	No.s		
19	Supply , fixing, testing and commissioning of 600mm X 600mm 36/40 watt recessed type high performance decorative LED luminaries. (PHILIPS , OSRAM & HAVELLS)	16.00	No		
20	Supply , fixing, testing and commissioning of LED down lighter . (Philips)	5.00	No		
21	Supply , fixing, testing and commissioning of exhuaast fans/ Fresh air fan.	4.00	No		
	Earthing				
22	Supply , fixing, testing and commissioning of Earthing electrode with suitable digging and back fill compound (use 50 L Ishan make electrode & back fill compound).	2.00	No		
23	Supply and fixing of 25X3 MM G.I. strip from earth pit to Main board.	10.00	RM		
24	Supply , fixing, testing and commissioning of G.I. Earth link with not bolt etc complete.	2.00	No		
25	S/F/T/C/ of 6way TPN vertical db with 100 A 4 Pole MCCB and 6 Nos. of 63/32 Amp TP MCB Double door.	1.00	Nos		
	Total Rs.				
	G. TOTAL(RO & RAH) INCLUDING GST				