

	TO				
	CANARA BANK				
	CIRCLE OFFICE, 71, NEHRU NAGAR				
	M. G. ROAD, AGRA.				
	BILL OF QUANTITIES / ESTIMATE FOR ELECTRICAL WORK OF				
	CIRCLE OFFICE, RAJENDRA CENTRE, SIKANDRA, AGRA.				
S.NO	Description of items	Quantity	Unit	Rate	Amount in RS
1	Light & Fan point				
	Supply and fixing of light & Fan points with 2Nos. of 1.00 Sq. mm PVC insulated copper Conductor cable in Pvc Conduit and PVC accessories like bend, J- Box, MS box, suitable sheet, 5Amp. One way switch modular type plate and accessories (shoket 5 pin 6 Amp for light plug point) fixing the pipe and with chasing of wall and making it good with cement mortar 1:5. Some points may require ceiling rose or baton holder with 2 nos. of 2.50 sqmm and one no. of 1.0 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)	160	No.s		
b	Secondary point (Two lights controlled by one 6 Amp. Switch)	105	No.s		
2	Power point				
	Supply and fixing of power points with MS Box, sheet and one no. 16 Amp. Switch & one no. 6 Amp. switch modular type plate and accessories with one no. 6 Amp. socket & one no. 16 Amp. socket making with chasing of wall and making it good with cement mortar 1:5, with 2 nos. of 2.50 sqmm and one no. of 1.0 sqmm copper conductor cable from DB to power point as submain wiring complete in all respect including connection and testing, PVC conduit etc.				
a)	Primary point (One set controlled by one circuit)	40	No.s		
b)	Secondary point (Two sets controlled by one circuit)	80	No.s		
3	Telephone point				

	Supply and Fixing 1 No. of Telephone socket moduler type with MS Box and suitable sheet, PVC conduits and PVC accessories including chassing of walls and making it good with cement mortar 1:5 including one no, of 2 pair telephone wire with connection and testing etc. complete. Item shall include wiring with RJ11 socket.	175	No.s		
4	UPS point				
	Supply and Fixing UPS, output terminal Box with modular type 1 No. of 16 Amp 6 pin socket and 2 No.s of 6 Amp. 5 pin socket, 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 mortar including 2 nos. of 2.50 sqmm and one no. of 1.0 sqmm copper conductor cable from DB to UPS point as submain wiring 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	50	No.s		
b)	Four point controlled by one no. SP MCB	78	No.s		
5	AC point				
	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 conduit, etc. wherever chasing not possible.				
		43	No.s		
	Wiring				
6	Supply and fixing of 2 No.s of 2.50 Sq. mm one no. of 0.75 sqmm 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.	80	Rmt.		
7	Supply and fixing of 2 No.s 6.0 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 Light & fan DB circuits, UPS incomer wiring, main connection wiring etc.complete.	120	Rmt.		

8	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 shedding / laying in wall including chasing end to end connection for UPS outgoing.	250	Rmt.		
9	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 shedding / laying in wall including chasing end to end connection.	480	Rmt.		
10	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 shedding / laying in wall including chasing end to end connection.	100	Rmt.		
11	Supply ,fixing ,testing, commissioning of PVC insulated copper conductor 16 sqmm. 4 core armoured XLPE cable with 2 no.s of 8 swg G.I. earth wire with proper shedding / laying in wall including chasing end to end connection.	130	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 shedding / laying in wall including chasing end to end connection.	400	Rmt.		
13	Supply, fixing, testing and commissioning of 50 pair telephone cable PVC insulated and copper conductor.	280	Nos		
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.	3	No.s		
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.	5	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.	5	Nos		

17	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 indoor AC DB.	2	Nos		
18	Supply, fixing, testing and commissioning of 63 Amp 4 pole MCCB 35KA with MS enclosure in UPS room.	1	Nos		
19	Supply, fixing, testing and commissioning of 200 Amp. TPN copper bus bar having all nut bolt, washer & door type MS enclosure in UPS room.	1	Nos		
20	Supply, fixing, testing and commissioning of 63 Amp 4 pole MCB with MS enclosure for UPS incomer & outgoing.	6	Nos		
21	Supply, fixing, testing and commissioning of 50 pair telephone distribution box with MS enclosure and krone modules for 50 pairs with proper laying diagram.	4	Nos		
22	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	Nos		
	Fixture & Fittings				
23	Supply , fixing, testing and commissioning of 1200 mm sweep ceiling fan of crompton Grieves make , (high speed modle, Al. blade), 70 watts input power, 370 RPM, air delevary of 230CuM/Min with socket step type regulator etc. complete. (fan rod size as per site requirement)	90	No.s		
24	Same as above but 900mm ceiling fan.	4	No.s		
	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 delevary of 60 CuM/Min.	28	No.s		
25	Supply & fixing of 7 watt. LED bulb of approved make with batten holder.	23	No		
26	Supply , fixing, testing and commissioning of 1 x 18 watt surface mounted LED batten fitting. (PHILIPS Cat refernce BN021C LED20S PSU CW GR S2 or similar in OSRAM)	28	No.s		
27	Supply , fixing, testing and commissioning of 600mm X 600mm 40 watt recessed type high performance decorative LED luminaries. (PHILIPS Cat ref.RC480B LED30S/865 W60L60 PSU WH or Similar in OSRAM)	175	No.s		

28	Supply , fixing, testing and commissioning of LED down lighter . (PHILIPS Cat ref.DN296B LED12S-6500 PSU WH or similar in OSRAM)	17	No.s		
29	Supply , fixing, testing and commissioning of 300mm dia exhaust fans.	16	No.s		
	Earthing				
30	Supply , fixing, testing and commissioning of Earthing electrode with suitable digging and back fill compound (use 50 L lshan make electrode & back fill compound).	4	No.s		
31	Supply and fixing of 25X3 MM G.I. strip from earth pit to Main board.	70	RMT		
32	Supply , fixing, testing and commissioning of G.I. Earth link with not bolt etc complete.	5	No.s		
33	Main panel :- Designing , manufacturing , installation , testing & commissioning of cubical type panel made from 16 SWG CRCA sheat (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 . comprasing 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				
	300 Amp 3 pole MCCB 25 KA with handle mechanism	1			
	R - Y - B phase indicator	1			
	OUTGOING				
	100 Amp 3 pole MCCB 25 KA	4			
	400 amp. Electrolytic alumium bus bar	1			
	160 amp. MCCB 3 pole	1			
	63 amp.TPN MCB	5			
	Complete one job as per above description	2	Job		
	Networking				
34	Supply, fixing, connecting & testing of 24 port eathernet switch D-link make (model rack mounted type).	8	No.s		

35	Supply, fixing, testing and commissioning of patch cord 2.0 M D- link make.	190	Nos		
36	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.	170	Nos		
37	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.	4	Nos		
38	Supply , fixing, testing and commissioning of 2mm thk electrical insulation rubber mat of size 1m X 1m.	10	Sq.m		
				Total	
				GST @	
				G.Total	
	Seal & Signature of the contractor				