

BILL OF QUANTITIES / ESTIMATE FOR ELECTRICAL WORK OF REGIONAL OFFICE, MATHURA.					
S.NO	Description of items	Quantity	Unit	Rate	Amount in RS
1	Light & Fan point				
	Supply and fixing of light & Fan points with 2No.s of 1.00 Sq. mm PVC insulated copper Conductor cable in MS Conduit and accessories like bend, J- Box, MS box, suitable sheet, 5 Amp. One way switch modular type plate and accessories (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 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)	130	No.s		
b	Secondary point (Two lights controlled by one 6 Amp. Switch)	10	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 chassing of wall and making it good with cement mortor 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, MS conduit etc.				
a)	Primary point (One set controlled by one circuit)	30	No.s		
b)	Secondary point (Two sets controlled by one circuit)	12	No.s		
3	Telephone point				
	Supply and Fixing 1 No. of Telephone shocket moduder 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 one no, of 2 pair telephone wire with connection and testing etc. complete. Item shall include wiring with RJ11 socket.	20	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 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 MS conduit, etc. wherever chasing not possible.				
a)	One point controlled by one no. SP MCB	16	No.s		
b)	Four point controlled by one no. SP MCB	4	No.s		
c)	Two point controlled by one no. SP MCB	5	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 MS conduit and 6Amp 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.				
		19	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 MS conduit fixing on walls or chassing the walls and making it good with cement mortar of 1:5 ratio including Connecting ,testing etc. compete.	140	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 MS 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 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.	110	Rmt.		
9	Supply ,fixing ,testing, commissioning of PVC insulated copper conductor 10 sqmm. 4 core cable with 2 no.s of 8 swg G.I. earth wire with proper sheddling / laying in wall incuding chasing end to end connection.	160	Rmt.		

10	Supply ,fixing ,testing, commissioning of PVC insulated copper conductor 16 sqmm. 3.5 / 4 core cable with 2 no.s of 8 swg G.I. earth wire with proper shedding / laying in wall including chasing end to end connection.	120	Rmt.		
11	Supply, fixing, testing and commissioning of 10 pair telephone cable PVC insulated and copper conductor.	120	Rmt.		
12	Same as above but 4 pair telephone wire.	120	Rmt.		
Distribution Board (All MCB's shall be C-curve)					
13	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.	2	No.s		
14	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 40 Amp. TPN MCB for L&F.	2	Nos		
15	Supply, fixing, testing and commissioning of 6 way TPN MCB DB factory fabricated with 18 Nos. of 6-32 Amp SP MCB and 1 Nos. of 63 Amp. TPN MCB for Power point sets.	3	Nos		
16	Supply, fixing, testing and commissioning of 8 way TPN MCB DB factory fabricated with 24 Nos. of 6-10 Amp SP MCB and 1 Nos. of 40 Amp. TPN MCB for indoor AC DB (indoor).	1	Nos		
17	Supply, fixing, testing and commissioning of 63 Amp 4 pole MCCB 35KA with MS enclosure in UPS room.	1	Nos		
18	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		
19	Supply, fixing, testing and commissioning of 63 Amp 4 pole MCB with MS enclosure for UPS incomer & outgoing.	6	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	Nos		

	Fixture & Fittings				
21	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)	26	No.s		
22	Same as above but 900mm ceiling fan.	4	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 delevary of 60 CuM/Min.	7	No.s		
24	Supply , fixing, testing and commissioning of 1 x 18 watt surface mounted LED batten fitting.	12	No.s		
25	Supply , fixing, testing and commissioning of 600mm X 600mm recessed type high performance decorative LED luminaries.	64	No.s		
26	Supply , fixing, testing and commissioning of 10 / 12 watt LED down lighter .	100	No.s		
27	Supply , fixing, testing and commissioning of 300mm / 220 mm dia exhuaast fans.	10	No.s		
28	Earthing				
	Supply , fixing, testing and commissioning of Earthing electrode with suitable digging and back fill compound (use 50 mm electrode & back fill compound).	5	No.s		
29	Supply and fixing of 25X3 MM G.I. strip from earth pit to Main board.	70	RMT		
30	Supply , fixing, testing and commissioning of G.I. Earth link with not bolt etc complete.	5	No.s		
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	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 slleve in suitable bus bar chamber , wirring 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				
32	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	10			
	400 amp. Electrolytic alumium bus bar	1			
	125 amp. MCCB 3 pole	4			
	63 amp.TPN MCB	5			
	Complete one job as per above description	1	Job		
	Networking				
	Supply, fixing, connecting & testing of 24 port eathernet switch D-link make (model rack mounted type).	3	No.s		
33	Supply, fixing, testing and commissioning of patch cord 2.0 M D- link make.	70	Nos		
34	Same as above but 0.5 M.	70	Nos		
35	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.	70	Nos		
36	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	Nos		

37	Supply , fixing, testing and commissioning of 2mm thk electrical insulation rubber mat of size 1m X 1m.	2	Sq.m		
38	Supply , fixing, testing and commissioning of 24 port cat-6 patch panel.	3	Sq.m		
TOTAL (RS.)					
NOTE -: All work should be done as per Bank's Specification -: GST shall be paid extra as per Government norms at the time of billing					