

B.O.Q FOR UCO BANK ATM AT KEONJHAR. (ELECTRICAL)

SL.NO	DESCRIPTION OF ITEMS	UNIT	QUANTIT Y	RATE	AMOUNT
	1. ELECTRICAL WIRING WORK				
	1.1 LIGHT & POINT WIRING WORK				
1.0	Concealed / ressed / surface point etc. wiring using 1100V FR grade 3R (P+N+E) x 1.5 Sq.mm FR multi stranded copper conductor PVC insulated wires (with proper R,Y,B color code) pulled through rigid FR PVC conduits of 20mm Dia 1.5 mm thick laid concealed over false ceiling or in wall chases or on the ceiling in case of an open ceiling, with modular type switch plate, switches, GI concealed back box, etc. of legrand mylinc or equivalent make. S.I.T.C.(Supply Installation Testing And Commissioning) as directed by the Engineer-in-charge. (Each circuit shall not feed more than 8 points OR 800 watts as per following configuration.)				
	NOTE:- 1. Only FR wire shall be used; 2. The wires from ceiling junction to light points / light fixture shall be drawn in flexible PVC conduit with adptor & cover for junction box & crimp type lugs at both the ends alongwith necessary hardware & accessories, etc. as required; 4. Looping of Neutral / Earth wire between two seperate Primary / Full Points is strictly not allowed; 5. Looping of Neutral / Earth wire between two seperate circuits on similar or other phase is strictly not allowed; 6. Ferulling / numbering / taggning to wires with circuit number & db name for all lighting & raw / ups power shall be strictly followed at both DB & switch board / switch socket boards ends.				
1.1	Primary light/Call bell points including the cost of clip in type 6A Modular switch of legrand mylinc or equivalent make. S.I.T.C. as directed by the Engineer-in-charge.(1 light controlled by one switch)	Nos.	1.00		
1.2	Subsequent point (Looped From Primary)	Nos	2.00		
1.3	Primary light points including the cost of clip in type 6A Modular switch of legrand mylinc or equivalent make & model as approved by project in charge. (I light controlled by one switch UPS point)	Nos.	1.00		



	1.2 COMPUTER WIRING WORK				
1.0	Concealed power point using 16 Amp 3 Pin plug socket with 16 Amp Modular switch of legrand myline or equivalent make mounted on separate board using suitable size galvanized iron junction & switch boxes & clip in type modular type switch plate,etc. Supply taken from R.D.B./ Nearest L.D.B wiring using 1100V FR grade 2R (P+N) x 2.5 Sq.mm +1R (E) x 1.5 Sq.mm FR multi stranded copper conductor PVC insulated wires (with proper R,Y,B color code) pulled through rigid FR PVC conduits of 20mm Dia 1.5 mm thick . The point should not taken from any switch Board. S.I.T.C. as directed by the Engineer-in-charge.				
1.1	Primary Point	SET	1.00		
1.2	Subsequent point (Looped From Primary)	SET	1.00		
	1.4 CABLE, MAINS & SUBMAINS.				
1.0	Supply of all required materials and wiring to circuits/ submains with following number and sizes of PVC insulated 1100 volt grade multi standard FR copper wire run inside rigid FR PVC conduits of 20mm Dia 1.5 mm thick 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.				
1.1	Recessed wiring with (2Rx2.5sqmm +1Rx1.5sqmm) copper wire (LDB/RDB to Common Switch board and Points/ UPS points)	Mts	40.00		



	2. FITTINGS OF FIXTURES				
	(NOTE : ANY OF FIXTURES AND FITINGS SHALL BE RE-CONFIRMED WITH THE ARCHITECTS / CONSULTANTS BEFORE ORDERING THEM.				
	Supply , Installation, testing and commissioning of lighting fixtures with lamps and LED driver as per the details below including necessary hardware such as clamps, nuts, bolts, nails, screws and suspension rods as required for fixing the fixtures in position as directed by architect / consultant / client including supply and fixing flexible wires from holder to fixtures hardware etc. Note :- All Light Fixtures, Fans, Exhaust Fans & other fittings samples shall be approved by the Client / Architect / Consultant before placing order to the Light Fixture Vendor / Supplier makes are specified. Client / Architect / Consultant reserves right to approve / select final Light Fixtures from any make as required.				
1.0	Supply, installation and testing of recess LED lights fittings (12W) of spot type with all accessories complete of Crompton LSCRM-6W-CDL/NW/WW Equivalent Make as required as per direction of Engineer in charge.	Nos.	4.00		
	3. EARTHING				
1.0	Supplying and fixing of Earthing with copper earth plate of size 600 mm X 600 mm X 3.18 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with alternative layer of 150mm thick charcoal/ coke and salt as required.	SET	1.00		
2.0	Supplying and laying 4.00 mm dia copper wire on surface or in recess for loop earthing as required.	Mts.	15.00		



4. COMPUTER NETWORKING					
1.0	Supply of all required materials and laying of CAT-6 LAN wiring from server to Hub and Hub to computer I/O Points of approved brand ((D-Link/Digilink/Amps) laid through rigid FR PVC conduits of 20mm Dia 1.5 mm thick of ISI mark duly buried under floor with necessary chasing / breaking in floor and to be refinished with all necessary civil material etc. or to be cleated on wall / ceiling with saddles / spacer etc. necessary termination etc. complete as in all respect including making good to all damages caused and as per the direction of Consultant and Engineer-in-charge.	Mts	40.00		
2.0	Supply , fixing of RJ 45 information outlet (I/O) with safety shutter of D-link make with front modular cover plate, flush box metallic or PVC for trucking system etc.	Nos.	2.00		
3.0	Supply & fixing 1Mtr long E-CAT 6 PATCH Cord (Make D-LINK,AMP or Equivalent Make)	No.	2.00		
4.0	Supply & fixing 2Mtr long E-CAT 6 PATCH Cord (Make D-LINK,AMP or Equivalent Make)	No.	2.00		
TOTAL				Rs.	

Electrical work of Branch	Rs.	
Electrical work of ATM	Rs.	
AC work of Branch & ATM	Rs.	
TOTAL	Rs.	

