

**Bill of Quantities for : Proposed Electrification work for CONFERENCE ROOM at Third Floor, UCO Bhavan,
Ashram Road, Ahmedabad for UCO Bank, Z. O. Ahmedabad**

SL. NO.	ITEM DESCRIPTION	QTY.	RATE Rs.	UNIT	AMOUNT Rs.
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1.0 ELECTRICAL WORK

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- 1.1 Supply, installation, testing and commissioning of following point wiring as per the specifications and drawings. The unit rate for the switch board and further to point outlet including all hardware, connector strips, fan hook, outlet boxes, switch boards, switch plates, switches, wire conduits etc. A point shall include in addition to phase and neutral wire, a PVC insulated earth-continuing wire from L. P. to the final termination at outlet points. All the wiring should be done in concealed / semi concealed open manner or slab / wall / false ceiling. The wiring should be done with rigid PVC conduits / Casing - capping having minimum of 1.6 mm wall thickness and minimum 19mm dia with 440V grade PVC insulated. ISI approved copper conductor wire, with approved make switches and accessories with company boxes for point outlet and SB and with all required hardware accessories to complete the wiring. No junction boxes are allowed anywhere in the wiring. All joints shall be done at point outlet on switch boards only. In between joints are not allowed anywhere. The wiring shall be done as per IS 732 and IS 4648.

ALL POINT WIRING INCLUDING RESPECTIVE CIRCUITS.

- Making Zari in the wall & semi finishing the surface.
- Ball and socket joint wherever required.
- Earthing of fittings
- Electrical connections from the outlet points to the fixture with 3 core flexible wire.
- The size of the wire will be as follows normal point wiring from SB to point outlet boxes.

Phase - neutral : 1.5 sq mm

Earth : 1.0 sq mm

SB mains from L. P. to SB from L. p. to 5 Amp

Plug point for freeze / geyser etc.

Phase : Neutral 2.5 sq mm

Earth : 1.5 sq. mm

Wiring for 15 Amp. Plug point for freeze / geyser etc.

Phase - neutral : 4.0 sq mm

Earth : 2.5 sq mm

Wiring for 20 Amp. Plug point for A. C.

Phase -neutral : 6.0 sq mm.

Earth : 2.5 sq mm

Two parallel 15 Amp. Plug points for first point.

Phase -neutral : 6.0 sq mm.

Earth : 2.5 sq mm

For second point looping.

Phase : neutral : 4.00 sq mm

Earth : 2.5 sq mm

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1.1	One light point controlled by one 5 Amp. Switch	10.00 nos		1 no	
1.2	Two light points controlled by one 5 Amp. Switch.	10.00 nos		1 no	
1.3	One 5 Amp. 5 pin socket outlet controlled by one 5 Amp. Switch looped on switch board.	5.00 nos		1 no	
1.4	Three 5 Amp. 5 pin socket outlet controlled by one 5 Amp. at other convenient location for computer UPS POWER.	4.00 nos		1 no	
1.5	Three 5 Amp. 5 pin socket outlet controlled by one 5 Amp. at other convenient location for computer RAW POWER.	4.00 nos		1 no	
1.6	One 5 Amp. 5 pin socket outlet controlled by one 5 Amp switch at other convenient location for wall fans.	6.00 nos		1 no	
1.7	One 5 Amp. 5 pin socket outlet controlled by one 5 Amp switch at other convenient location for exhaust fans.	0.00 nos		1 no	
1.8	One 15 Amp 6 pin socket outlet controlled by one 15 Amp. Switch with indicator.	2.00 nos		1 no	
1.9	One 20 A power plug point controlled by one 20 A DP switch for Cassette AC with wires & conduit.	2.00 nos		1 no	

2.0 SUPPLY & INSTALLATION OF LIGHTING FIXTURES AND FITTINGS :

Supply, Installation, testing and commissioning of the following luminaires, fixtures and fittings. The fixtures shall be installed on wall, false ceiling etc. and as per the manufacturer instructions. The job also includes the connection of the fixture with outlet point using 3 core flexible wire wherever the lighting fixtures are there.

2.1	36 W LED concealed/surface mounting fitting C&S/PHILIPS/CROMPTON/WIPRO MAKE	8.00 nos		1 no	
2.2	15 W LED concealed/surface mounting Down light fitting C&S/PHILIPS/CROMPTON/WIPRO MAKE	20.00 nos		1 no	
2.3	16" Exhaust heavy duty Fan CROMPTON/HAVELLS/BAJAJ/ORIENT MAKE	0.00 nos		1 no	
2.4	18" Wall Fan High flow wall mounted CROMPTON/HAVELLS/BAJAJ/ORIENT MAKE	6.00 nos		1 no	

3.0 PANEL BOARD / DISTRIBUTION BOARDS :

3.1	Supplying and installing, testing and commissioning of DB with following ; (for lighting Purpose) Incoming : 63 A FP EL + MCB - 1no. Outgoing : 16/10/25 Amp. SP MCB -12 nos.	1.00 no		1 no	
3.2	Supplying, installing, testing & commission of distribution board with following : (for UPS units) Incoming : 63 A DP 100m A (EL + MCB) -1no. Outgoing : 40 DP MCb - 2 No & 10/16 A SP MCB - 10 nos	1.00 no		1 no	

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- 3.3 Supplying, intalling testing & commission of Distribution board with following : (For A. C. Units)
Incoming : 63 A 100mA (FP + MCB) -1no.
Outgoing : 40 DP MCB - 2 No & 10/16 A SP MCB - 12 nos

1.00 1
no no

4.0 INTERCOM TELEPHONE :

- 4.1 Supply and installation of RJ-11 telephone jack with metal/surface box as required including 2 pair .63 sq.mm telephone wire from Branch Krone box to RJ-11 telephone jack.

2.00 1
nos nos

5.0 LAN / STRUCTURE CABLING WORK :

- 5.1 Supply and installation, testing and connection of Cat-6e information outlet with face plate and box, INCLUDING CAT-6 DATA CABLE IN PVC PIPE AS PER required from main etharnet switch to system point, ISDN,Lease line from BSNL Krone box to Rack.

6.00 1
nos nos

- 5.2 Supply and installation of Cat-6e UTP cable in PVC pipe

50.00 1
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- 5.3 Supply & testing at patch cord.

- a Length 1 Meter (Make D- link)

6.00 1
.....

- b Length 2 Meter (Make D- link)

6.00 1
nos no

- 5.4 Supply, intstallation & testing of 8 port patch panel.

1.00 1
nos no

- 5.5 Testing and connection of patch panel/ switch/ router and modem etc.

1.00 1
nos no

6.0 MISCELLANIOUS ITEMS

- 6.1 Supply and commossioning of pop up box for conference table etc. complete as directed.

4 No.
nos

- 6.2 Supply and errection of cable for TV RG-6 with pipe etc. with modular co-axial TV socket etc. complete

50 Mtr
mtr

- 6.3 Supply and errection of TV RG-6 modular co-axial TV socket etc. complete.

2 No.
nos

- 6.4 Supply and errection of VGA cable as per site requiremetns etc. complete as directed.

75 Mtr
mtr

- 6.5 Supply and errection of HDMI cable as per site requiremetns etc. complete as directed.

80 Mtr
mtr

- 2.2 4c x 10 sq mm Copper armoured cable (Panel to UPS DB)

20.00 1
mtr mtr

ADD FOR GST @ ____ % ON RS.

Total (+) Rs. _____

FINAL TOTAL OF ELECTRICAL WORK

Rs. _____

Rupees

Name of Contractor with Seal & Signature

Date :

Place :