

BOQ FOR ELECTRICAL WORK OF UNITED INDIA INSURANCE CO.LTD.DIVISIONAL OFFICE-1 RANJIT AVENUE ,ASR					
Sr. No.	Particulars	Quantity	Unit	Rate	Amount
1	Lighting (Ref. Havells/Crompton)				
	Supply, Installation, testing of Compact Fluorescent Light fixture complete with holders, starter, low copper ballast, power improvement capacitor, CFL etc.				
a.	2x36W (SIZE -2'X2')	21.00	Nos.		
b.	2x18 (CFL SIZE 5" DIA)	41.00	Nos.		
c.	1x36W Tubelight fitting	10.00	Nos.		
2	Telephone Wiring	7.00	Nos.		
	Supplying & Fixing one module front plate telephone outlets Jack type complete with PVC box mounted in partition/tables. Laying Telephone cables 02 pair Electrolytic tinned copper conductors PVC insulated and twisted pair with rip cord through PVC conduits.				
3	Supplying, Installation and testing of LAN System wiring with 'CAT 6E cable including I/O Box with Face Plate	21.00	Nos.		
4	Supplying, installation, testing and commissioning of 24 port unmanaged switch 10/100 full duplex complete as reqd.	1.00	Nos.		
5	Supply, installation, testing and commissioning of 16 port patch panel.	1.00	Nos.		
6	Supply, installation, testing and commissioning of mounted rack made of powder coated MS sheet				
a.	9U rack	1.00	Nos.		
7	Supply, fixing and commissioning of Patch cable CAT 6 of D-Link make complete 2 nos. connects etc. complete as reqd.				
a.	1 Mtr. Long	24.00	Nos.		
b.	2 Mtr. Long	14.00	Nos.		

8	A.C. Point Wiring				
a.	Point wiring of Split AC Point complete with 2x4mm copper wire + 1.5 sqmm for earthing including metal clad socket with SPMCB in sheet metal enclosure.	10.00	Nos.		
9	PVC Conduits Pipe				
	Supplying, receiving, storing, handling, fixing and commissioning of 2mm thick (heavy duty) PVC pipe with accessories such as bends tees junction box/draws etc. to be laid in wall/floor/slab including chase and making good with 1:2:4 ratio of mortar.				
a.	25mm dia. 2mm th. PVC conduit	300.00	R.Mt.		
10	Earth Station	2.00	Nos.		
	Excavation of 2'-0" x 2'-0" wide complete in all respects and refilling the same with filling of required material such as G.I. pipe, Funnel Charcoal & Salt & covered of earth pits with 300mm x 300mm x 3mm copper plate deep 4 Mtrs. earthing complete. It includes copper strip welded to the copper plate up to the floor level 1mm th. 19mm wide .The earthing resistance should be less then 0.5 Ohms.				
a.	Providing & fixing S.W.G 8 No. Wire on surface or in recess for loopearthing etc. as reqd.	120.00	Mtrs.		
11	Light and Fan Point Wiring				
	Supplying, receiving, storing, handling, fixing, laying wiring testing and commissioning of light, fan, Exhaust fan point etc. starting from the point control box to the outlet using 2x1.5 sq.mm copper conductor & 1.0 sq.mm as earth wire pvc insulated 1100 volts grade wire with wiring accessories such as 5A sockets, switches modular type including with 2x2.5sq.mm+1x1.0 Sq.mm copper conductor PVC insulated for lighting circuit with suitable PVC conduit. Complete with termination.				
a.	One light point controlled by a 6A Switch.	87.00	Nos.		
b.	12" Exhaust fan point with ceiling roses etc.	1.00	Nos.		
c.	Wall fan points controlled by a 6A switch & 2 pin socket.	29.00	Nos.		
d.	Ceiling fan points controlled by a 6A switch & regulator.	1.00	Nos.		

e.	Call bell point with bell push switch & bell.	1.00	Nos.		
f.	6A 3/5 socket with 6A switch in all group.	15.00	Nos.		
g.	Signage wiring(material & labour)-P&F of 3x4mm & copper flexible wire & PVC conduiting of ISI make complete with all accessories like saddles,bends etc.Unit-nos.	2.00	no.		
12	Power Points Supplying, receiving, storing, handling, fixing, laying wiring testing and commissioning of starting from the power point control box to the outlet using 2x4.0 sq.mm+1x1.5 Sq.mm earth wire copper conductor PVC insulated 1100 volts grade wire with wiring accessories such as 15A sockets, switches modular type including PVC conduit & PVC flexible pipe. (Not more then two power points connected one circuit.)	24.00	Nos.		
13	Sub-Mains Light & Power Circuit Wiring				
a.	3.5 Core 50 Sq.mm Aluminium conductor cable unarmored from meter to main panel box.	65.00	R.Mt.		
b.	3.5 Core 25 Sq.mm Aluminium conductor cable unarmored from generator to main panel box.	55.00	R.Mt.		
c.	4x10 Sq.mm + 1x4 copper wire 1100V PVC insulated with suitable PVC pipe from main panel to UPS.	45.00	R.Mt.		
d.	4x6 Sq.mm + 1x2.5 sq.mm. copper wire 1100V PVC insulated with suitable PVC pipe.	100.00	R.Mt.		
e.	2x6 Sq.mm + 1x2.5 sq.mm. copper wire 1100V PVC insulated with suitable PVC pipe.	110.00	R.Mt.		
14	U.P.S Points Supplying fixing, testing and commissioning of the power sockets mentioned below to be concealed including PVC box suitable for modular fixture of appropriate sizes, inclusive of 3 switch & 3 sockets 6Amp, (2 Points per circuit shall be wired with 2x2.5 sq.mm + 1.0x1.5 sq.mm earth wire cu. Conductor as earth wire to be laid including PVC conduit and flexible pipe as required complete in all respect.				

	6A, 3/5 pin socket with 6A switch (3 SWITCH, 3 SOCKET IN ONE BOX SHELL BE COUNTED AS ONE POINT)	21.00	Nos.		
15	<u>Air Conditioning Works:</u>				
a.	Copper Refrigerant Piping	340.00	Rft.		
b.	PVC Drain pipe duly insulated with foam & other fittings	340.00	Rft.		
16	Main Panel Board	1.00	Nos.		
	Design, manufacture supply, installation, effecting proper connection, testing & commissioning of 1.62/2.0mm thick sheet steel fabricated surfaces / recessed mounted, main panels complete with Copper bus bars, separate neutral links for each phase connectors earth bus phase barriers cover interconnecting copper wires, including epoxy powder coating as technical specifications as required including Providing & Fixing Of 125 Amp.High Voltage Protection Device				
a.	Incomer :				
	160 Amp TP MCCB - 1no.				
	0-500V CTs - 3 nos.				
	3 nos. indication lamps with fuses - 1 Set				
	200A 4P copper bus bar - 1 Set				
	100A 4P copper bus bar - 1 Set				
b.	Outgoing				
	100A 4P COS - 1 nos.				
	100A 4P MCB - 6 nos.				
	100A DP MCB - 6 nos.				
17	Switch MCCB	1.00	Nos.		
	P/F 200 amp MCCB in 16 gauge sheet cubicle box complete in				
18	Distribution Boards				
	Distribution boards : Design, manufacture, supply of 1.6mm				
19	DB for normal lighting & power	1.00	Nos.		
	4 way TPN DB with				
	Incoming :				
	63 A 4 pole MCB				

	Outgoing :				
	12 nos, SP MCB				
b.	DB for Air Conditioning	1.00	Nos.		
	4 way TPN DB for AC with				
	Incoming :				
	100 A 4 pole MCB				
	Outgoing :				
	12 nos, SP MCB				
c.	DB for UPS Input	1.00	Nos.		
	UPS INPUT power distribution boards with 1 no. 40 A 4 pole				
20	UPS Output	1.00	Nos.		
	P/F 40A Metal clad switch box (for UPS output in UPS Room)				
21	UPS DB	1.00	Nos.		
	Distribution boards with 1 no. 60 a 2 pole MCB isolator, 10			
	ELECTRICAL WORKS (TOTAL)				

Ar.Gurjeet S.Chawla

630/E,Ranjeet Avenue

Amritsar

Dated : 21/12/2016

TERMS & CONDITIONS

Rates are inclusive Of All Taxes /Freights & removing all malba from the site

10 % contingenses (if any) will be extra as per site requirements.

No Nomenclature of the Drawings to be changed without the Prior permission of the Architect Incharge.

Colour code be followed as per Architect & competent authority standards.

Completion Time --- 50 Days From the Date Of Work Order in co-ordination with completion of works by landlord