

**QUOTATION FOR THE ELECTRICAL WORK OF
UNITED INDIA INSURANCE DIVISIONAL OFFICE-
PATHANAMTHITTA**

PART - B

Date:-

SL.No	Description	Qty	Unit	Rate	Amount
I	<u>METER BOX</u> Supply, installation, testing & commissioning of dust & vermine proof wall mounted cubicle type Metering Board fabricated out of 16 SWG CRS & powder coated with CT Metre provision including supply & installation of 100 A HRC Fuse with suitable Fuse-3 nos. and Nuetral link, 125 A TPN isolator -1 no. Panel should confirm to the KSEB & Electrical Inspectorate Standards.				
	by land lord				
II	<u>VERTICAL POWER DB</u> Supply, erection, testing and commissioning of 8 way TPN Vertical MCB DB. Made out of 16SWG CRCA Sheet, dust and vermin proof, wall mounting consisting of the following Incomer : 63A (100 MA) 4 Pole MCB DB - 1No. Outgoing : 40 A 3Pole MCB - 1 No for LDB Outgoing : 32A SP MCB - 2 Nos for UPS Outgoing : 32A SPMCB - 4 Nos Outgoing : 20A SPMCB - 4 Nos Outgoing : 16A SPMCB - 4 Nos Outgoing : 10A ASP MCB - 2 Nos	1	Set		
III	<u>DISTRIBUTION BOARD for Lighting</u> 1 Supply, installation, testing & commissioning of wall mounted type Double door dust & vermine proof 4 Way TPN MCB DB cocealed on wall comprising the following. 4 pole 40A, (30 MA) ELCB as incomer -1 no 6A- 10 A MCB- 12 nos. as outgoing for lighting	1	Set		
	2 Supply & installation of 40 A 4 pole MCB Change Over Switch with centre offing metal encloser for lighting circuit	1	No		
IV	<u>DISTRIBUTION BOARD for UPS</u> 1 Supply & installation of 40 A2 pole MCB with encloser for UPS input supply.	2	No		
	2 Supply, erection, testing & commissioning of wall mounted type Double door dust & vermine proof 12 Way SPN MCB DB cocealed on wall comprising the following. 2 pole 40 A MCB isolator- 1 no as incomer 6/10 A MCB -12 Nos as outgoing to distribute UPS power supply	2	Set		
V	<u>CABLE LAYING AND TERMINATION</u> Supply, laying & dressing of 1.1 KV grde PVC insulated armoured cable with Aluminium conductor along with 2 layer 10 SWG Cu. conductor concealed or on wall/ ceiling/ trench/cable rack with clamps etc including back filling of trenches if necessary.				
	1 3.5 core 50 sq.mm from Meter box to VDB	45	Mtr		
	2 4 core 10 sq.mm (from VDB to LDB)	25	Mtr		

Sl.No	Description	Qty	Unit	Rate	Amount
2	4 core 10 sq.mm (from VDB to ATM)	40	Mtr		
VI	End termination of above cables using flange type cable glance and heavy duty tinned Al. crimping type cable sockets including cable earthing.				
1	50 sq.mm gland	2	No		
2	10 sq.mm gland	2	No		
VII	<u>EARTHING</u>				
1	Supply,installation,testing & commisioning of 600 X 600 X 3 mm Cu. Plate buried in ground at a depth of 3 mtr. With alternate layers of charcoal & salt including supplying & fixing of 20 mm dia. 3 mtr. long perforated pipe with funnel for watering , construction of inspection chamber by masoanry work to accomodate 460 x 460 mm Cl. heavy duty hinged cover etc. as per IS:3043 and including all civil work for 2 nos. UPS.	2	No		
2	Supply & providing ISI pipe earthing as per IS : 3043 with 3 mtr. long 40 mm dia B' class GI pipe providing GI funnel with wire mesh on top providing GI clamp on top of GI pipe test joint, filling around the GI pipe at a radius of 15 cm with homogeneous mixture of charcoal, common salt & river sand up to a Ht. of 2.5 mtr. from the bottom and rest of the portion with excavated soil, providing brick work masonaries, plastering, fixing cast iron covering etc. complete for KSEB main panel.	2	No		
VIII	<u>Supply & laying following Cu. Strips/wires</u>				
1	No. 10 SWG Cu. wire from KSEB main panel to earth pit.	25	Mtr		
2	16 sq.mm Cu. Wire through 20 mm rigid PVC conduit for UPS earthing.	25	Mtr		
3	30 cm long Earth bunch of 25 x 3 mm Cu. Suitable bented into shape with necessary holes for termination for UPS DB, LDB & VDB.	3	No		
4	Supply and laying of 3 runs of 4 sq.mm PVC Cu. Wire through 20mm PVC pipe for taking supply for 2 KVA Single phase generator.	30	Mtr		
1X	<u>WIRING FOR LIGHT, FAN, PLUG, SOCKETS etc.</u> Supply all materials & wiring recess/surface through wall, floor, ceiling etc. as per clour code with 1.5 sq. mm PVC insulated FRLS stranded Cu. wire for the points & 1.5 sq.mm PVC insulated green colour stranded. Cu. Wire as continuous Earth for points with independent Earth wire for each circuit through ISI grade 20/25 mm PVC conduit including all accessories as per IS : 9537 part II including circuit wiring using 2.5 sq.mm Pvc insulated stranded Cu. wire for phase neutral & Earth with all materials & installation of factory made MS boxes, 2 plate model modular switches & 3 plate ceiling rose/connectors / angle holders etc. of approved make for electrical fixtures.No of cables in conduit should be limited to the IS standards & as per the conditionds laid down in the Tender.Check nuts to be provided in the conduits in switch boxes, DB etc.				

Sl.No	Description	Qty	Unit	Rate	Amount
	The rate includes circuit wiring & no cost is allowed for additional length of circuit wiring (Wire make Phenolex/RR/Wipro Suraksha)				
1	1 light controlled by 1 switch	25	No		
2	2 lights controlled by 1 switch	10	No		
3	Supply all material & wiring same as above but for 6 A 5 pin plug points with 6 A switch in separate location with indicator using 3 run 1.5 sq.mm 1.1 KV grade PVC insulated Cu. Stranded wire as per colour code for phase, neutral & Earth. (independent in position)	10	No		
4	Same as above but for 6 A 5 pin plug points in switch boxes.(combination in position)	15	No		
5	Same as above but for Ceiling fan points including supply & installation of electronic fan regulator 250 watts of approved make in suitable MS box	3	No		
6	Same as above but for Wall fan / Exhaust fan points including supply & installation including all necessary fittings of approved make in suitable MS box	4	No		
7	Supply, wiring and installation of Calling bell in manager's cabin using 1.5 sq.mm PVC Cu. Wire through 20 mm PVC pipe with modular bell push	1	No		
8	Wiring for UPS light point using 3 runs of 2.5 sq.mm PVC Cu. wire through 20 mm PVC pipe	8	No		
9	Supply all materials & wiring recessed/surface through wall, floor, ceiling etc. as per colour code with 3 runs of 1.1 KV grade 2.5 sq. mm PVC insulated Cu. wire for phase neutral and green colour for Earth through ISI marked 20 mm PVC conduits with all accessories and supply & installation of modular 6/16A plug with switch for Power points . The rate should be quoted considering the average length required for wiring from DB & no claim for additional length.	5	No		
10	Supply all materials & wiring as per colour code with 2 runs of 1.1 KV grade 4 sq. mm PVC insulated Cu. wire for phase neutral and 2.5 sq.mm green colour for Earth through ISI marked 20 mm PVC conduits with all accessories & supply & installation of modular type 20A metal clad plug & socket for AC units (Ref: Electrical layout) .The rate should be quoted considering the average length required for wiring from DB & no claim for additional length.	5	No		
11	Supply all materials & wiring recessed/surface through wall, floor, ceiling etc. as per colour code with 2 runs of 1.1 KV grade 6 sq. mm PVC insulated Cu. wire for phase neutral and 4 sq.mm green colour for Earth through ISI marked 20 mm PVC conduits with all accessories for UPS input/output supply.	45	Mtr		
12	Supply all materials & wiring recessed/surface through wall, floor, ceiling etc. as per colour code with 3 runs of 2.5 sq. mm PVC insulated Cu. wire PVC conduits with all accessories for Board light supply.	40	Mtr		

Sl.No	Description	Qty	Unit	Rate	Amount
X	<u>WIRING FOR COMPUTER WORK STATIONS</u> Supply all materials & wiring through recessed/surface through wall, floor, ceiling etc. as per colour code with 3 runs of 2.5 sq. mm PVC insulated stranded Cu. wire for phase neutral and green colour for Earth through ISI marked 20 mm PVC conduits from DB for Computer Workstation, including supply & installation of 3 nos. 6A 3 pin plug & socket with 3 nos. switches in metal boxes including chipping the floor , plastering etc if necessary.	18	No		
XI	<u>INSTALLATION OF ELECTRICAL FIXTURES</u> Installation, giving electrical connection, testing & commissioning of the following light , fan etc. fittings including the cost of materials for fitting, connection , using flexible wires through 20 mm flexible PVC conduit including the cost of chain, down rods if needed etc. according to the requirement All fittings should be of approved make & model as per the material list attached.				
1	WIPRO -Immaculate LED Surface mounted CRCO 10/SO38/HP 57	20	No		
2	Wipro Surface Mounted LD 81/171/XXX/60 Down Light	11	No		
3	Wipro Garnet12W LED Bulb (Cool Day light)	4	No		
5	1200 mm Ceiling fan with electronic regulator and all other accessories of approved make.	5	No		
6	450 mm wall mounted fan with all accessories.	1	No		
7	300 mm exhaust fan of approved make with all accessories.	3	No		
XII	<u>TELEPHONE POINTS</u> Supply of all materials wiring recessed/Surface through wall ,Floor ,Ceiling ,Partitions etc using 4 pair .5mm telephone cables in 20mm PVC conduit from the exchange concealed wall, floor partitions etc including the cost of modular 2 plate type Telephone Jack RJ11 mounted in metal boxes ,one separate cable for each point.Number of cables in one conduits imited to three.The rate is for average length and no cost is allowed for additional Length	10	Nos		
XIII	<u>NETWORKING</u>				
1	Supply & laying of Cat 6 - 4 pair UTP cable	350	Mtr		
2	Supply & laying of 20mm casing capping / 25mm / Pvc conduit for laying UTP cable.	90	Mtr		
3	Supply & termination, fixing of Cat 6 information outlet (I/O single) with back box & phase plate.	18	No		
4	1 mtr (3 ft) length patch cord - Cat 6	18	No		
5	2 mtr (7") length patch cord - Cat 6	18	No		
6	Supply & erection of Cat 6 -16 port patch (jack) panel with IO loaded.	1	No		
7	Supply & fixing of 16 port 10/100 Mbps fast Ethernet switch (unmanaged).	1	No		
8	Wall mounting type 19" - 9U rack (HCL/ Exlan) with acrylytic door with 16 port patch (Jack) panel & its termination with following accessories: a. Power Manager - 2 No with 6 sockets b. Cable Manger - 2 No, c. Canti Lever tray - 1 No d. Hard ware Kit - 2 packet of 10 nos Supply & fixing of 16 port 10/100 Mbps fast Ethernet switch (unmanaged).Cat 6-16 port patch (Jack) port and its Termination	1	No		
	Supply and installation of KRONE connector telephone junction box of 20 pair.	1	Job		
TOTAL : PART - B : ELECTRICAL WORK					

Rupees :-

CONTRACTOR'S NAME, SEAL & SIGNATURE

Regional Manager