

**QUOTATION FOR THE ELECTRICAL WORK OF
BANK OF INDIA, CHERTHALA BRANCH.**

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 neutral link, 125 A TPN isolator-1 no. Panel should confirm to the KSEB & Electrical Inspectorate Standards.	1	Set		
II	<u>VERTICAL POWER DB</u> Supply, erection, testing and commissioning of 8 way TPN Vertical MCCB DB. Made out of 16SWG CRCA Sheet, dust and vermin proof, wall mounting consisting of the following Incomer : 125A TP MCCB - 1No. Outgoing : 40 A 3Pole MCB - 1No for LDB Outgoing : 32A 3Pole MCB - 2Nos. for UPS Outgoing : 32A ASP MCB - 2Nos (spare for AC, UPS etc) Outgoing : 25A ASP MCB - 3Nos. (for 1.5 tr AC) Outgoing : 20A SPMCB - 1No (for 1 tr AC) Outgoing : 16A SPMCB - 2Nos for power plug Outgoing : 10A ASP MCB - 2 Nos for board light	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. 3 phase 4 pole 63 A,(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 offin metal encloser for lighting circuit	1	No		
IV	<u>DISTRIBUTION BOARD for UPS</u>				
1	Supply & installation of 40 A 4 pole MCB with encloser for UPS input supply.	2	No		

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2	Supply, erection, testing & commisioning 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 25 sq.mm from meter box to VDB	50	Mtr		
2	4 core 10 sq.mm from VDB to LDB	15	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	25 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.	2	Nos		
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 iorn covering etc. complete.	2	Nos		
VIII	Supply & laying following Cu. Stripes/wires				
1	No. 10 SWG Cu. wire for KSEB main panel board	90	Mtr		
2	16 sq.mm Cu. Wire throuh 20 mm rigid PVC conduit for UPS earthing.	90	Mtr		

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3	30 cm long Earth bench of 25 x 3 mm Cu. Suitable bented into shape with necessary holes for termination.for VDB, LDB & UPS DB	3	No		
IX	<u>WIRING FOR LIGHT, FAN, PLUG, SOCKETS etc.</u>				
1	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 nuetral & 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 makr for light/ exhaust fan / calling bell etc.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. The rate includes circuit wiring & no cost is allowed for additional lenght of circuit wiring				
1	1 lights controlled by 1 switch	27	No		
2	2 lights controlled by 1 switch	2	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, nuetral & Earth.	8	No		
4	Same as above but for 6 A 5 pin plug points in switch boxes.(combination in position)	10	No		
5	Same as above but for 6 A 5 pin plug points for Wall fans /Exhaust fan point	10	No		
6	Same as above but for ceiling fan /points including supply & installation of electronic fan regulator 250 watts of approved make in suitable MS box.	4	No		
7	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 .	5	No		

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8	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 .The rate should be quoted considering the average length required for wiring from DB & no claim for additional length.Stebilizer to be provided in the electrical room near PDB	3	No		
9	Wiring for UPS light points using 3 runs of 2.5 sq.mm Cu.wire through 20 mm PVC pipe.	4	No		
10	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		
11	Wiring for Speaker including all necessary fittings of approved make in suitable MS box	5	No		
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.	60	Mtr		
13	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.	110	Mtr		
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.	8	No		

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XI	<u>SUPPLY & INSTALLATION OF ELECTRICAL FIXTURES</u>				
	Supply at site, installation, giving electrical connection, CFL lamps, 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, downrods etc. according to the requirement. All fittings should be of approved make & model as per the material list attached.				
1	Recess mounted mirror optic luminaire with Paralite P5 louvres. WCP 17236 2 X 36 W CFL (TC-L)	9	No		
2	Recess mounted CFL downlighter with fresnel lens WCP 34118 SGW 1 X 18 W CFL (TC-DE)	5	No		
3	Surface mounting flourescent lamp on the wall or ceiling. 1 x 36/40 W FTL (T8)	11	No		
4	1200 mm ceiling fan of approved make with all accessories.	4	No		
5	450 Wall mounted fan of approved make with all accessories	7	No		
6	300 mm exhaust fan of approved make with all accessories includin PVC piping.	3	No		
7	Speaker fittings of approved make..	4	No		
8	DVD Music sytem	1	No		
XI	<u>TELEPHONE POINTS</u>				
1	Supply all materials & wiring recessed/surfcae through wall, floor , ceiling, partitions etc. using 4 pair 0.5 mm telephone cable in 20 mm PVC conduit from the exchange concealed wall, floor, partitions etc. including the cost of modular 2 plate type telephone jack RJ-11 mounted in metal boxes, one seperate cable for each point. No. of cables in one conduit limited to three. The rate is for average length & no cost is allowed for additional length.	6	No		
2	Supply and installation of KRONE connector telephone junction box of 20 pair.	1	No		
XII	<u>NETWORKING</u>				
1	Supply & laying of Cat 6 - 4 pair UTP cable	300	M		
2	Supply & laying of 20mm casing capping / 25mm / Pvc conduit for laying UTP cable.	150	M		
3	Supply & termination, fixing of Cat 6 information outlet (I/O single) with back box & phase plate.	8	No		

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4	1 mtr (3 ft) length patch cord - Cat 6	8	No		
5	2 mtr (7') length patch cord - Cat 6	8	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 with acrylic door with following accessories. (HCL/ Exlan) a. Power Manager - 1 No with 6 sockets b. Cable Manger - 1 No c. Canti Lever tray - 1 No d. Hard ware Kit - 1 packet of 10 nos	1	No		
TOTAL					

Rupees :-

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