

Branch

Renovation of ATMAKUR ADB branch under uniform branch layout policy
Estimate for Electrical Installation Works

Sl.No.	Description	UOM	Qty.	Rate (Rs.)
1	Main Panel: Supplying, Installing, testing and commissioning of fabricated floor cubicle type distribution Panel Board suitable for 415 V comprising of 3 Nos. 40 mm X 5 mm for phase and 40 mm X 6 mm for neutral copper bus bars, 160 A 4P MCCB as incoming and 1 no. 100 A 4P MCCBs (for Main ESDB, 1 no. 63 A 4P MCB for Ground floor AC db) at outgoing in compartmentalized chamber fully isolated with 2 mm thick steel sheet and 3 mm steel channel painted with 2 coats of red oxide primer paint followed by finishing paint with interconnection etc. as required. Price should be inclusive of phase indicator lamps, multifunctional meter for reading of voltage, current, frequency etc	No.s	1	
2	Supply, installation, testing and commissioning of 100 A 3 phase on load change over switch	no.s	1	
3	Supply ,installation ,testing and commissioning of ESDB: VTPN DB – IP 43-IK 09 - approved make) comprising of 100 A 4P MCCB of breaking capacity 35KA at incoming and 2 No. 40 A SPMCB (for light dbs), 2 nos of 40A SP MCB (for Raw power DB), 2 nos of 40A SP MCB (for 5 kVA UPS incomer) & 2 No. of 32A SP MCB (for System room / BM room ac, Security Lighting) at outgoing with inter connection in PVC insulated color coded wire in MS conduit cable socket including loop earth connection to earth bus bars etc. all complete including mending good the damage and painting. The MCCB should have adjustable overload setting With load/line interchangeability with thermo magnetic /static release.	No.s	1	
4	Supply ,installation ,testing and commissioning of AC Distribution Board (GF): TPN DB – IP 43-IK 09 - approved make) comprising of 63 A 4P MCB of at incoming and 9 no. 32A SPMCB and 3 no. 25 A SPMCBs at outgoing	No.s	1	
5	Supply ,installation ,testing and commissioning of UPS incomer & outgoing DB: Double pole MCB box with 40 A DPMCB	no.s	4	
6	Supply ,installation ,testing and commissioning of 20A industrial plug socket in metal clad with 20A SP MCB	No.s	2	
7	Supply ,installation ,testing and commissioning of Light DB, SPN double door with 63A DP MCB as incomer & 10 nos 10A SP MCB as outgoing.	no.s	1	

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8	<p>AC point wiring: Wiring in PVC conduit of IS specification of Proper size with core PVC insulated stranded copper wire 1.1 kV grade and with all materials supply ,installation connection complete as per circuit diagram and as required With 3nos 4sq.mm (P, N & E). (<i>wiring from new AC DB to existing metal clad sockets to be done.</i>)</p>	RM	180	
9	<p>Sub main wiring: Wiring in PVC conduit of IS specification of Proper size with core PVC insulated stranded copper wire 1.1 kV grade and with all materials supply ,installation connection complete as per circuit diagram and as required With 3nos 6sq.mm (P, N & E) from - Main DB to UPS incomer Dbs -UPS to UPS incomer DB and UPS out going Dbs -UPS outgoing DB to existing computer DBs -main DB to existing light DB & new DB and raw power Dbs</p>	RM	250	
10	<p>Cabling:Supply and laying of following sizes of PVC/XLPE insulated and PVC sheathed 1.1 kV grade aluminum conductor LT armoured UG cable laid in ground/partially in air including excavation of cable trench upto depth of 75 cm. Refilling, protective brick covering, sand cushioning etc. complete handling of surplus soil, debris etc. to proper place as well as fixing to the walls with saddles, cable glands for connecting to the panels and appropriate end termination with copper lugs and providing of 2 nos. of 8 SWG GI wires as specified and directed by the department 3.5 core x 35 sq. mm cable (Main line to Panel)</p>	RM	10	
11	<p>Cabling:Supply and laying of following sizes of PVC/XLPE insulated and PVC sheathed 1.1 kV grade aluminum conductor LT armoured UG cable laid in ground/partially in air including excavation of cable trench upto depth of 75 cm. Refilling, protective brick covering, sand cushioning etc. complete handling of surplus soil, debris etc. to proper place as well as fixing to the walls with saddles, cable glands for connecting to the panels and appropriate end termination with copper lugs and providing of 2 nos. of 8 SWG GI wires as specified and directed by the department 3.5 core x 25 sq. mm cable (Main Panel to ESDB & AC DB at GF)</p>	RM	50	

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12	<p>Computer point wiring in PVC conduit of IS specification of proper size with 3nos 2.5sq.mm single core PVC insulated stranded copper wire 1.1KV grade and with all material supply installation and commissioning complete from CDB/PDB(Raw) .The wiring shall be carried out on surface above false ceiling and concealed in the wall by chiseling the existing surface and plastering the same with cement etc. after fixing the pvc conduit with all accessories like saddles screws, bends T-joint etc. 2 coats of painting Matching to the surface including supply installing, testing, commissioning of modular plate type switch and socket for computer terminal on sheet steel enclosure (cadmium plated),duly fitted with screw to the steel conduit and fixed to the wall partition furniture with all interconnection and proper earthing .All the opening shall be covered with blank plate and be sealed to make the box vermin proof.</p> <p>UPS & Raw power point for SWC and other work stations: 2 no. 6A sockets fixed below the table to be controlled by one no. 16 A modular switch above the table / counter. The boxes are to be fixed on the partitions by suitably chiseling / cutting, making good the damage.</p>	Set	5	
13	<p>Computer point wiring in PVC conduit of IS specification of proper size with 3nos 2.5sq.mm single core PVC insulated stranded copper wire 1.1KV grade and with all material supply installation and commissioning complete from CDB/PDB(Raw) .The wiring shall be carried out on surface above false ceiling and concealed in the wall by chiseling the existing surface and plastering the same with cement etc. after fixing the pvc conduit with all accessories like saddles screws, bends T-joint etc. 2 coats of painting Matching to the surface including supply installing, testing, commissioning of modular plate type switch and socket for computer terminal on sheet steel enclosure (cadmium plated),duly fitted with screw to the steel conduit and fixed to the wall partition furniture with all interconnection and proper earthing .All the opening shall be covered with blank plate and be sealed to make the box vermin proof.</p> <p>Raw power point: 1 no. 6 / 16 A controlled by 16 A switch. The boxes are to be fixed on the partitions by suitably chiseling / cutting, making good the damage.</p>	Set	5	

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	General Wiring for light/fan/exhaust fan points using 3 X 1.5 1.1 kV grade PVC insulated stranded copper conductor wire for phase, neutral and earth in 25 mm dia heavy duty PVC conduit along with associated accessories like MS junction boxes, bends, saddles, screws etc. concealed in wall, floor, under flooring, below false ceiling or on surface as well as suspended from ceiling with 25mm X 3 mm MS flat suspenders duly painted above false ceiling from individual light/Fan/Exhaust Fan point outlet. etc. to individual modular type switch boards, 6 Amp modular plate type switches etc., as required complete including circuit wiring with 3 X 2.5 sqmm. 1.1 kV grade PVC insulated stranded copper conductor wire and mending good to damage and as per site requirement and as instructed by engineer. All the opening shall be covered with blank plate and be sealed to make the box vermin proof.			
14	2 no. of lights controlled by one switch	Set	0.00	
15	1 no. of lights by one switch.	Set	25.00	
16	Wall bracket fans / exhaust fan controlled by 6A switch at switch board and 1 no. 6 A socket in MS box at ceiling level.	Set	3.00	
17	Ceiling fans with automatic regulators	Set	10.00	
18	6 A light plug controlled by 6 A switch on the same switch board	Set	3	
19	Call bell point for Branch Manager chamber along with the supply of call bell	Set	1	
20	6A light plug socket with 6A switch wiring including all accessories, as per the branch requirement in the banking hall	Set	5	
21	Wiring for security lights & glow sign board with 3 X 4 sq.mm 1.1 kV grade PVC insulated stranded copper conductor wire for phase, neutral and earth in 25 mm dia heavy duty PVC conduit along with associated accessories like PVC junction boxes, bends, saddles, screws etc.	Set	1	
22	Earth Stations: Supply, installing and commissioning of earth station including digging and refilling back the pit with black soil and with 3mm x 600mm X 600 mm size copper plate duly tinned through out the surface of the plate, placed at least 1.5Mtr,below the ground level with 25 X 3 flat Cu strip fixed to the plate and providing 40mm,2mtr,long GI pipe with reducer and funnel at top for watering pipe. As per IS 3043-1987 or latest version. The price should be inclusive of preparation of brick masonry chamber, with covering place etc.	Set	1	
23	supplying and laying earth continuity wire of 8 SWG Cu insulated wire in 20 mm dia PVC conduit on the wall from earth plate to starting point of the line earth connector.	RM	50	

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24	Providing standard GI pipe earth station, with 100 mm dia 2500 mm long G I Pipe including excavation, construction of brick masonry chamber providing meshed funnel, electrode, watering pipe, charcoal and salt fill, CI cover completely as per IS 3043-1987 or latest revision. The rates to be inclusive of supply and laying of 8 SWG GI wire in 20 mm dia pvc conduit from earth pit to DB	Set	1	
25	Supply, installation, testing and commissioning of Recess mounted luminaire of 2' X 2' flat type modular 36W LED light fixture complete with electronic driver, wiring, heat sink, opal acrylic diffuser etc. suitable for gyp board or metric false ceiling. The fixture shall be provided with atleast three nos. 20mm dia knock out holes on the top side for fixing down rods and wiring purpose.	Nos.	16	
26	Supply, installation, testing and commissioning of Recessed decorative LED down lighter of 15W complete with electronic driver, wiring, heat sink, opal acrylic diffuser etc. suitable for gyp board or metric false ceiling.	No.s	24	
27	Only fixing, connecting and testing of existing 18W double fittings (the fitting are to be shifted from ground floor to first floor and to be refixed as instructed by engineer / branch functionaries)	Set	15	
28	Supply, installation, testing and commissioning of 18 W LED batten suitable for indoor application.	No.s	10	
29	Supply, Installation, testing and commissioning of holder type 7 W LED lamps complete including connections as required. (Make Philips / Bajaj)	No.s	3	
30	Supply, installation, testing and commissioning of Exhaust fan 300 mm Crompton / Bajaj /Usha / Havell's make	No.s	3	
31	Supply, installation, testing and commissioning of Ceiling fan 1200 mm, Crompton / Bajaj /Usha/ Havell's make	No.s	10	
32	Supply, installation, testing and commissioning of Wall bracket fan 400 mm Crompton/Bajaj/Usha/Havell's make	No.s	3	
33	Removing of old general wiring and old DBs where the new wiring is made and handing over in to Bank officials	Job	1	
34	Connecting to the existing DB s wherever the same DBs are using with new sub main wiring by removing old wiring.	Job	1	

NOTE: Estimated costs are exclusive of GST.

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Amount (Rs.)

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