

**BOQ FOR ELECTRICAL & ALLIED WORKS FOR STATE BANK OF INDIA AT MINI RACPC,
AHMEDNAGAR**

Sl. No.	Particulars	Quantity	Unit	Rate	Amount
	<u>POINT WIRING</u>				
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface heavy gauge PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FR PVC insulated copper conductor single core cable etc as required.				
	Group C	120	Nos		
2	Wiring for group controlled (looped) light point/fan point/exhaust fan point/ call bell point (without independent switch etc.) with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed PVC conduit, and earthing the point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc. as required.				
	Group C	40	Nos		
3	Wiring for wall mount fans with 3 Module Box along with 1 no 6A socket and 1 no 6A Switch including 3 runs of 1.5 sq.mm PVC FR copper conductor including all connections etc as reqd.	2	Nos		
	<u>CIRCUIT/UPS/POWER/SUBMAIN WIRING</u>				
4	Wiring for light/Ups/Raw power Circuit with 2X2.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface/recessed medium class PVC conduit alongwith 1 No. 2.5 sq. Mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	1000	mtrs		
5	Wiring for light/Ups/Raw power/AC/Submain Circuit with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/recessed medium class PVC conduit alongwith 1 No. 4 sq. Mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	600	mtrs		
6	Wiring for light/Ups/Raw power/AC/Submain Circuit with 2X6 sq. mm FRLS PVC insulated copper conductor single core cable in surface/recessed medium class PVC conduit alongwith 1 No. 6 sq. Mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	500	mtrs		

7	Wiring for light/Ups/Raw power/AC/Submain Circuit with 4X6 sq. mm FRLS PVC insulated copper conductor single core cable in surface/recessed medium class PVC conduit alongwith 2 Nos. 6 sq. Mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	450	mtrs
8	Wiring for light/Ups/Raw power/AC/Submain Circuit with 4X10 sq. mm FRLS PVC insulated copper conductor single core cable in surface/recessed medium class PVC conduit alongwith 2 Nos. 6 sq. Mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	400	mtrs

MODULAR BOX/PLATE/SWITCH/SOCKET

8	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc as required.		
a	1 or 2 Module (75mmX75mm)	65	Nos
b	3 Module (100mmX75mm)	10	Nos
d	6 Module (200mmX75mm)	8	Nos
e	8 Module (125mmX125mm)	8	Nos
9	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.		
a	5/6 amps switch	70	Nos
c	15/16 amp switch	12	Nos
d	3 pin 5/6 amp socket outlet	85	Nos
e	6 pin 6/16 amp socket outlet	13	Nos
h	Bell push	1	Nos
10	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	15	Nos
11	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.	1	Nos
	<u>MCB/DB</u>		
12	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.		
a	100 A,30KA,FPMCCB	2	Nos
13	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)		
b	12 way , Double door	2	Nos

14	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)		
a	4 way (8 + 12), Double door	1	Nos
15	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer) as required . (Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required.)		
a	4 way (4 + 12), Double door	1	Nos
16	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.		
a	Single pole	82	Nos
c	Double pole	6	Nos
d	Triple pole	6	Nos
e	Triple pole and neutral	4	Nos
17	Supplying and fixing DP sheet steel enclosure on surface/ recess along with 25/32 A 240 V "C" curve DP MCB complete with connections, testing and commissioning etc. as required.	2	Nos
	<u>EARTHING</u>		
18	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	1	sets
19	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	1	sets
20	Providing and fixing 4.00 mm dia copper wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required.	50	mtrs
21	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	10	mtrs

CABLES

22	Supplying, Laying and fixing of one number Armoured Aluminium/Copper Cable of 1.1 KV grade of following size on wall surface as required.		
a	3.5x50 sq.mm	40	mtrs
23	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE Copper conductor cable of 1.1 KV grade as required.		
a	3.5x50 sq.mm	4	sets
<u>SUPPLYING OF FIXTURES</u>			
24	Supplying of following rated LED Light Fixtures of Cool Light		
a	34/36 Watts 2x2 Size LED Fixtures	60	Nos
b	15 Watts Down light Fixtures	70	Nos
c	18 Watt batten type LED Fixtures	50	Nos
25	Supplying of Following size Fans		
a	1200 mm BLDC Ceiling Fan	40	Nos
b	400 mm Wall mounting fan(Metal Body)	20	Nos
c	230 mm Exhaust Fan(Heavy Duty)	5	Nos
<u>MISCELLANEOUS</u>			
26	Supplying and fixing of 63 A Copper busbar i/c all necessary connections etc as required.	1	Set
27	Supplying and fixing of 63 A Onload Changeover switch i/c all necessary connections etc as required.	1	Set
28	Supplying and fixing of 20 kvar APFC Panel i/c all necessary connections etc as required.	1	Set
			Total
			Rs