

**BOQ FOR ELECTRICAL & ALLIED WORKS FOR STATE BANK OF INDIA AT SAMARTH NAGAR
BRANCH**

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	55	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	12	Nos		
3	Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface /recessed medium class PVC conduit, 2 way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.	2	Nos		
4	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.	12	Nos		
	<u>CIRCUIT/UPS/POWER/SUBMAIN WIRING</u>				
5	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.	175	mtrs		
6	Wiring for light/Ups/Raw power Circuit with 4X2.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface/recessed medium class PVC conduit alongwith 2 No. 2.5 sq. Mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	60	mtrs		

7	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.	50	mtrs
8	Wiring for light/Ups/Raw power/AC/Submain Circuit with 4X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/recessed medium class PVC conduit alongwith 2 Nos. 4 sq. Mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	30	mtrs
9	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.	100	mtrs
10	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.	120	mtrs
11	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.	100	mtrs
<u>MODULAR BOX/PLATE/SWITCH/SOCKET</u>			
12	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)	51	Nos
b	3 Module (100mmX75mm)	12	Nos
c	4 Module (125mmX75mm)	10	Nos
d	6 Module (200mmX75mm)	14	Nos
e	8 Module (125mmX125mm)	5	Nos
f	12 Module (200mmX150mm)	4	Nos
13	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	72	Nos
b	2 way 5/6 amps switch	12	Nos
c	15/16 amp switch	17	Nos
d	3 pin 5/6 amp socket outlet	68	Nos
e	6 pin 6/16 amp socket outlet	17	Nos

f	Telephone socket outlet	15	Nos
g	TV antenna socket outlet	4	Nos
h	Bell push	1	Nos
14	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.	12	Nos
15	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as Required.	10	Nos
<u>INSTALLATION OF FIXTURES/FANS</u>			
16	Installation, testing and commissioning of pre-wired, LED fitting of all types, complete with all accessories and tube/lamp etc. directly on ceiling/ wall, including connections with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. As required.	32	Nos
17	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable etc. as required.	12	Nos
18	Supplying and fixing extra down rod of 10 cm length G.I. Pipe, 15 mm dia, heavy gauge including painting etc. as required. (Note : More than 5 cm length shall be rounded to the nearest 10 cm and 5 cm or less shall be ignored)	2	Nos
19	Supplying and fixing extra conduit down rod of 20 cm length G.I. pipe 15 mm dia, heavy gauge including painting etc. As required. (Note : More than 5 cm length shall be rounded to the nearest 10 cm and 5 cm or less shall be ignored)	2	Nos
20	Numbering of ceiling fan/ exhaust fan/ LED fittings as required.	50	Nos
21	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required.		
a	Upto 450 mm sweep	3	Nos
b	510 mm sweep	0	Nos
22	Extra for fixing the louvers/ shutters complete with frame for a exhaust fan of all sizes.	3	Nos
23	Supplying and fixing PVC batten/ angle holder including connections etc. as required.	2	Nos
24	Supplying and fixing brass batten/ angle holder including connection etc. as required.	2	Nos
25	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.	1	Nos

MCB/DB

26	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	1	Nos
b	125 A,36KA,FPMCCB	1	Nos
27	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)		
a	8 way , Double door	1	Nos
b	12 way , Double door	2	Nos
28	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
b	6 way (4 + 18), Double door	1	Nos
29	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
b	8 way (4 + 24), Double door	1	Nos
30	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
b	Single pole and neutral	2	Nos
c	Double pole	6	Nos
d	Triple pole	6	Nos
e	Triple pole and neutral	4	Nos
31	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.	15	Nos
32	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.	4	Nos

33	Supplying and fixing 20 A, 240 V, SPN Industrial type socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 A "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	7	Nos
34	Providing and fixing M.V. danger notice plate of 200 mm X 150 mm, made of mild steel, at least 2 mm thick, and vitreous enameled white on both sides, and with inscription in single red colour on front side as required.	6	Nos
<u>EARTHING</u>			
35	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.	3	sets
36	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
37	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.	85	mtrs
38	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	25	mtrs
<u>CABLES</u>			
39	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	60	mtrs
40	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>			
41	Supplying of following rated LED Light Fixtures of Cool Light		
a	34/36 Watts 2x2 Size LED Fixtures	14	Nos
b	15 Watts Down light Fixtures	15	Nos
c	18 Watt batten type LED Fixtures	12	Nos
d	24 Watt Bulk head Fixtures	2	Nos
42	Supplying of Following size Fans		
a	1200 mm Ceiling Fan	12	Nos
b	400 mm Wall mounting fan(Metal Body)	12	Nos

c	230 mm Exhaust Fan(Heavy Duty)	2	Nos	
d	300 mm Exhaust Fan(Heavy Duty)	1	Nos	
	<u>MISCELLANEOUS</u>			
43	Supply and fixing 50 Pair Krone box along with all necessary accessories etc as reqd.	1	Nos	
75	Supplying and fixing of 100 A Onload Changeover switch i/c all necessary connections etc as required.	1	Set	
76	Supplying and fixing of 100 A Copper busbar i/c all necessary connections etc as required.	1	Set	
76	Supplying and fixing of 15kvar apfc Panel i/c all necessary connections etc as required.	1	Set	
			Total	Rs