

STATE BANK OF INDIA					
FIMM NETWORK DEPARTMENT RENOVATION AT					
1st & 3rd FLOORS, PRABHAT TOWERS					
ELECTRICAL WORKS					
BILL OF QUANTITIES					
S. No.	Description	UOM	Qty	Rate	Amount
	<b>3rd FLOOR</b>				
	<b>UPS SOCKET</b>				
1	Supply and fixing of 3nos. 6A sockets with 1 no16A switch fixed on a suitable module heavy duty PVC box and white front plate (Modular type) with 2runs of 2.5 sq.mm FRLS and 1 run of 2.5 sqmm FRLS 1100 V grade PVC insulated multi strand copper conductor wires conforming to IS 694 (with latest amendments) in suitable size PVC conduit of 2mm thick concealed in wall/floor/partition and supply of all fixing materials and accessories, interconnections complete as required for the UPS power primary sockets	No's	5		
2	Same as above for secondary points required as per site conditions.	No's	3		
	<b>RAW POWER SOCKET</b>				
3	Supply and fixing of 1no. 6/16A sockets with 1 no 16A switch fixed on a suitable module metal box and white front plate (Modular type) wiring with 2 runs of 4.0 sq.mm FRLS and 1 run of 2.5sqmm FRLS 1100 V grade PVC insulated multi strand copper conductor wires conforming to IS 694 (with latest amendments) in suitable size PVC conduit of 2mm thick concealed in wall/floor/partition and supply of all fixing materials and accessories, interconnections complete as required for the raw power primary sockets (DB to Primary point).	No's	3		
4	Same as above but looped from nearest Raw Power point (Primary point to Secondary point).	No's	2		
	<b>TELEPHONE:</b>				
5	Supply and fixing of modular RJ 11 Telephone Socket with 2 Pair (0.5mm) Telephone Cable from required location / Workstation to Krone Box. This includes suitable modular surface/concealed box and all required materials and Wiring by supplying and fixing of Suitable PVC Conduits and Cable Numbers to be provided.	No's	7		
	<b>DATA:</b>				

6	Supply and laying of 4 Pair, UTP (Unshielded Twisted Pair) CAT 6 LAN Cable in suitable 2mm thick PVC Pipe laid on Wall/Partition/Ceiling Slab etc. with Information Outlet and MS Box to required location / Workstations Including all Related Civil Works etc. and provision of ferrules with identification numbers for all cables at both ends.	No's	7		
	<b>POINT WIRING – LIGHTS:</b>				
7	Point wiring with 3 X 1.5 sqmm FRLS 650V grade multi strand PVC insulated copper wire in 2mm thick 25mm dia. PVC pipe for lights including supply & fixing of 5 amp modular switch in existing concealed MS switch box and ceiling rose ( <b>switch board to switch boards looping</b> ) and all interconnections as required.	No's	2		
8	Same as above for secondary points required as per site conditions.	No's	3		
	<b>LIGHTS &amp; FITTINGS</b>				
9	Supply & installation of 15 W LED Portico round shaped light fixture with prismatic louvre, complete with electronic driver, wiring, heat sink, opal acrylic diffuser etc. suitable for surface mounting.	No's	2		
10	Supply & installation of 34/36 watts, 2ft x 2ft size LED fitting complete with all accessories etc. in the false ceiling including supplying and fixing 1 Nos chain arrangement and connection with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable and earthing etc. as required.	No's	4		
	<b>REMOVAL AND RE-INSTALLATION OF LIGHTING FIXTURES:</b>				
11	Pre-wired 34/36 watts, 2ft x 2ft size LED fitting complete with all accessories etc. in the false ceiling including supplying and fixing 1 Nos chain arrangement and connection with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable and earthing etc. as required.	No's	4		
	<b>SHIFTING OF UPS IN, OUT MAIN CABLES</b>				
12	Shifting of existing DP sheet steel enclosure on surface/ recess along with 40 amps 240 volts "C" curve DP MCB complete with connections, testing and commissioning etc. but with modifications/ shifting required as per site conditions.	No's	2		
<b>A</b>	<b>Total Amount:</b>				

1st FLOOR					
	<b>UPS POINT</b>				
1	Supply and fixing of 3nos. 6A sockets with 1 no. 16A switch (or 4 no's 6A sockets) fixed on a suitable module heavy duty PVC box/ MS Sheet box and white front plate (Modular type) with 2 runs of 4.0 sq.mm FRLS and 1 run of 2.5 sqmm FRLS 1100 V grade PVC insulated multi strand copper conductor wires conforming to IS 694 (with latest amendments) in suitable size PVC conduit of 2mm thick concealed in wall/floor/partition and supply of all fixing materials and accessories, interconnections complete as required for the <b>UPS power primary points</b> . (DB to Primary point)	No's	7		
2	Same as above for <b>UPS secondary points</b> looped from nearest primary points with 2 runs of 2.5 sq.mm FRLS and 1 run of 2.5 sqmm FRLS 1100 V grade PVC insulated multi strand copper conductor wires conforming to IS 694 (with latest amendments) in suitable size PVC conduit of 2mm thick concealed in wall/floor/partition and supply of all fixing materials and accessories, interconnections complete as required	No's	3		
3	Supply & fixing of <b>new accessories to existing UPS points</b> (Primary/ secondary), interconnections complete as required (i.e. 3nos. 6A sockets with 1 no. 16A switch fixed on a suitable module heavy duty PVC box/ MS Sheet box and white front plate on new partition/wall/panel same as described above) but with modification/ shifting required as per site conditions.(without wiring)	No's	9		
4	Removing and refixing of <b>existing UPS points</b> on new partition/wall/panel same as described above (Primary/ secondary) but with modification/ shifting required as per site conditions including cleaning and complete termination	No's	12		
	<b>RAW POWER POINT</b>				
5	Supply and fixing of 1no. 16A sockets with 1 no 16A switch fixed on a suitable module metal box/ heavy duty PVC box and white front plate (Modular type) wiring with 2 runs of 4.0 sq.mm FRLS and 1 run of 2.5sqmm FRLS 1100 V grade PVC insulated multi strand copper conductor wires conforming to IS 694 (with latest amendments) in suitable size PVC conduit of 2mm thick concealed in wall/floor/partition and supply of all fixing materials and accessories, interconnections complete as required for the <b>Raw power primary points</b> . (DB to Primary point).	No's	3		

6	Same as above for <b>Raw power secondary point</b> but looped from nearest Raw Power point. (Primary point to Secondary point).	No's	2		
7	Supply & fixing of new <b>accessories to existing Raw power points</b> (primary/ secondary), interconnections complete as required. (i.e. 1no. 16A sockets with 1 no 16A switch fixed on a suitable module heavy duty PVC box/ MS Sheet box and white front plate on new partition/wall/panel same as described above) but with modification/ shifting required as per site conditions including cleaning and complete termination. (without wiring)	No's	18		
8	Removing and reinstallation of <b>existing Raw Power points</b> on new wall/ partition/ panel same as described above (Primary/ secondary) but with modification / shifting required as per site conditions including cleaning and complete termination	No's	12		
	<b>LIGHTING CONTROL</b>				
9	Removing and refixing of <b>existing Switch boards</b> of light control/ Sockets required as per site condition (without wiring) on new partition/ walls including cleaning and complete termination.	No's	7		
10	Supply & fixing of <b>new accessories</b> (i.e. switches & sockets with base plate and modular box of 3-8 modular) <b>to existing Light control switch boards</b> on new wall/ partition/ panel same as described above but with modification / shifting required as per site conditions including cleaning and complete termination. (without wiring)	No's	7		
	<b>TELEPHONE:</b>				
11	Supply and fixing of modular RJ 11 Telephone Socket with 2 Pair (0.5mm) Telephone Cable from required location / Workstation to Krone Box. This includes suitable modular surface/concealed box and all required materials and Wiring by supplying and fixing of Suitable PVC Conduits and Cable Numbers to be provided.	No's	9		
12	Removing and refixing of existing Telephone sockets same as described above but with modification/ shifting required as per site condition including cleaning and complete termination	No's	18		
	<b>DATA:</b>				

13	Supply and laying of 4 Pair, UTP (Unshielded Twisted Pair) CAT 6 LAN Cable in suitable 2mm thick PVC Pipe laid on Wall/Partition/Ceiling Slab etc. with Information Outlet and MS Box/ heavy duty PVC box to required location / Workstations Including all Related Civil Works etc. and provision of ferrules with identification numbers for all cables at both ends.	No's	9		
14	Removing and refixing of existing Data Point sockets same as described above but with modification/ shifting required as per site condition including cleaning and complete termination	No's	18		
	<b>POINT WIRING – LIGHTS:</b>				
15	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 (without modular switch, modular plate) from existing suitable GI/ heavy duty PVC box and earthing the point with 1.5 sq.mm. FR PVC insulated copper conductor single core cable etc. as required including ceiling rose. (from switch board to primary point)	No's	7		
16	Same as above for secondary points required as per site conditions. (from primary point to secondary point)	No's	9		
17	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.	No's	7		
	<b>SWITCH BOARDS INSTALLATION WITHOUT WIRING</b>				
18	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)	No's	7		
b	3 Module (100mmX75mm)	No's	9		
c	8 Module (125mmX125mm)	No's	15		
19	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	No's	48		
b	15/16 amp switch	No's	18		
c	3 pin 5/6 amp socket outlet	No's	30		
d	6 pin 6/16 amp socket outlet	No's	14		

20	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed heavy gauge PVC conduit as required				
a	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	Mtrs	45		
b	4 X 1.5 sq. mm + 2 X 1.5 sq. mm earth wire	Mtrs	24		
c	6 X 1.5 sq. mm + 3 X 1.5 sq. mm earth wire	Mtrs	0		
d	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	Mtrs	54		
e	4 X 2.5 sq. mm + 2 X 2.5 sq. mm earth wire	Mtrs	0		
f	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	Mtrs	36		
g	4 X 4 sq. mm + 2 X 4 sq. mm earth wire	Mtrs	0		
	<b>LIGHTS &amp; FITTINGS</b>				
21	Supply & installation of 34/36 watts, 2ft x 2ft size LED fitting complete with all accessories etc. in the false ceiling including supplying and fixing 1 Nos chain arrangement and connection with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable and earthing etc. as required.	No's	7		
22	Supply, installation, testing and commissioning of 12-15 W LED Down Light fixture complete with electronic driver, wiring, heat sink, opal acrylic diffuser etc. as described in Technical Specifications suitable for recessed mounting in gyp ceiling/metric ceiling.	No's	7		
23	Supply, installation, testing and commissioning of 4 ft LED tube light fixtures of box type 15-20W as described in the Technical Specifications suitable for wall / ceiling mounting with electronic driver, wiring etc. including all accessories.	No's	3		
	<b>REMOVAL AND RE-INSTALLATION OF LIGHTING FIXTURES:</b>				
24	34/36 watts, 2ft x 2ft size LED fitting complete with all accessories etc. in the false ceiling including fixing 1 Nos chain arrangement and connection with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable and earthing etc. as required.	No's	18		
25	12-15 W LED Down Light fixture complete with electronic driver, wiring, heat sink, opal acrylic diffuser etc. as described in Technical Specifications suitable for recessed mounting in gyp ceiling/metric ceiling.	No's	2		
26	4 ft LED tube light fixtures of box type 15-20W as described in the Technical Specifications suitable for wall / ceiling mounting with electronic driver, wiring etc. including all accessories.	No's	2		

	<b>DB's</b>				
27	Supplying and fixing/ Replacing old DB with 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	No's	1		
28	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 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)				
	8 way Double door	No's	2		
29	Supplying and fixing following rating, 240/415 volts, "C" curve, Single pole 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	6-32Amps	No's	12		
b	32A DP MCB	No's	2		
30	Supply, installation, testing & commissioning of industrial type 25 A three pin socket housed in powder coated sheet steel enclosure with 25 A DP MCB with locking connector for split ACs.	No's	3		
31	Removing & refixing DP sheet steel enclosure on surface/ recess along with 40 amps 240 volts "C" curve DP MCB complete with connections, testing and commissioning etc. but with modifications/ shifting required as per site conditions.	No's	2		
32	Supplying & installation of 400mm high speed fire resistant wall mounting fan, including wiring all necessary connections etc. as required.	No's	7		
33	Supply & Installation of 9" exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required.	No's	2		
34	Supplying and fixing call bell/ buzzer suitable for single phase, 230 volts, complete as required.	No's	7		

35	Removing & Re-installation of 48" high speed ceiling mounting fan but with slight modifications/ shifting required as per site conditions including wiring all necessary connections etc.	No's	3		
36	Supplying and fixing stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	No's	7		
37	Physical Marking of DB's, Switch boards, modules etc. with ferrules and stickers including submitting drawings (SLD, GA ...etc.)	lot	1		
38	Removing of existing old switches, boards, DBs, pipes fixtures and fans etc. including making temporary arrangements for the branch for running while working etc. and closing the vacant modules with blank plates, flexible conduiting to visible wires as required.	lot	1		
<b>B</b>	<b>Total Amount:</b>				
	<b>BUY BACK OF OLD &amp; REMOVED MATERIAL</b>				
39	Buy back of removed old wiring, panels, DBs, switch boards, Change Over Switch, light fixtures, lamps...etc. and taking away.	lot	1		
<b>C</b>	<b>Total Amount:</b>				
	<b>Grand Total Amount (A+B-C):</b>				
<p><b>NOTE:</b></p> <ol style="list-style-type: none"> <li>1) MCCB FAULT LEVEL SHALL BE OF MINIMUM 16 KA.</li> <li>2) BREAKING CAPACITY FOR ALL MCBS SHALL BE OF MINIMUM 3 KA</li> <li>3) ALL COPPER WIRES &amp; ALUMINIUM CABLES SHALL BE 1.1 KV GRADE</li> <li>4) ALL COPPER WIRES USED FOR WIRING SHALL BE FRLS.</li> <li>5) 1 No. 5 A PLUG POINT WITH SWITCH AND SOCKET SHALL BE PROVIDED IN ALL LIGHTING SWITCH BOARDS UPTO 8 MODULE AND 2 NOS. 5 A PLUG POINTS WITH SWITCH &amp; SOCKET IF SWITCH BOARD IS HAVING MORE THAN 8 MODULES.</li> <li>6) TO MAINTAIN UNIFORMITY MODULAR PLATES OF SAME EXISTING MODEL SHALL BE USED.</li> <li>7) THE CONDUITS PROVIDED BELOW THE FALSE CEILING SHALL BE CONCEALED ON THE WALL.</li> <li>8) MAKE/ BRANDS TO BE USED SHALL BE IN LINE WITH EXISTING ELECTRICAL SYSTEM.</li> <li>9) ALL THE ITEM RATES SHALL BE INCLUDED WITH ALL THE EXPENSES EXCLUDING GST.</li> </ol>					



