

**Project: proposed Renovation of SAM office for Indian Bank at 7th Floor,  
Mittal Chamber, Nariman Point, Mumbai- .**

**Budgetary Cost Estimate Electrical work) R**

Sr.No	Description	Qty	Unit	Rate	Total
<b>SECTION - A</b>					
<b>1</b>	<b>Inverter POWER DISTRIBUTION BOARD</b>				
	8 WAY SPN UPS IP42				
	Incomer:- 40 Amps.DP MCB - 1 No.				
	Outgoing:- 10/16/20 Amps. SP MCB - 6 Nos.				
	( Make:- MDS Legtrand / Merlin Gerin / Siemens/Hagger )	1	Set		
<b>2</b>	<b>UPS POWER DISTRIBUTION BOARD</b>				
	8 WAY SPN UPS IP42				
	Incomer:- 40 Amps.DP MCB - 1 No.				
	Outgoing:- 10/16/20 Amps. SP MCB - 6 Nos.				
	( Make:- MDS Legtrand / Merlin Gerin / Siemens/Hagger )	2	Set		
<b>3</b>	<b>UPS POWER DISTRIBUTION BOARD</b>				
	6 WAY SPN UPS IP42				
<b>a</b>	Incomer:- 63 Amps.FP MCB - 1 No.				
<b>b</b>	Outgoing:- 40/63 Amps. DP MCB - 4 Nos.	1	Set		
<b>4</b>	Supplying, Installation, Testing & Commissioning of 63 Amps DP MCB in Waterproof IP65 Enclosure Box.	0	Set		
	<b>TOTAL OF SECTION - A</b>				-
<b>SECTION - B</b>					
	<b>POWER CABLE &amp; TERMINATION</b>				
1	Supplying, Installation, Testing & Commissioning of LT Cable rated for 600/1100 Volts AC as per IS Standard with necessary accessories.				
a	3.5 Core x 35 sq.mm. Al Armoured Cable with 2 Nos. of from meter to Main Power Panel	0	Mtrs.		
b	4 Core x 6 sq.mm. Copper Armoured Cable with 1 Nos. of Lighting Raw Power	50	Mtrs.		
c	3 Core x 4 Sq.mm. Copper Armoured Cable with For AC.	45	Mtrs.		
d	4 Core x 10 sq.mm. Copper Armoured Cable with 1 Nos. of 14 SWG GI earth wire for UPS Input.	15	Mtrs.		
f	3 Core x 10 sq.mm. Copper Armoured Cable with 1 Nos. of 14 SWG GI earth wire for AC DB.	10	Mtrs.		
2	S/I/T/Commissioning of LT Cable Termination with Copper brass gland and Termination of Each Core with necessary required Copper Lugs etc.complete as per instructions of the Architect /				
a	3.5 Core x 35 Sq.mm. Al Armoured cable.	0	Nos.		
b	3 Core x 4 Sq.mm. Copper Armoured cable.	10	Nos.		
c	4 Core x 6 Sq.mm. Copper Armoured cable.	12	Nos.		
d	4 Core x 10 Sq.mm. Copper Armoured cable.	2	Nos.		
e	4 Core x 16 Sq.mm. Copper Armoured cable.	2	Nos.		
	<b>TOTAL OF SECTION -B</b>				-
<b>SECTION - C</b>					
	<b>INTERNAL LIGHTING &amp; POWER WIRING</b>				

1	Supply & Installation of concealed point wiring using 600v grade 1.5 sqmm copper conductor PVC insulated wires (with proper R,Y,B color code ) pulled through heavy gauge PVC conduits laid concealed over false ceiling or in wall chases or on the ceiling in case of an open ceiling including 2.5 sqmm circuit wires from the relevant DB and also including 2.5 sqmm green color copper earth wire and switch plate, switches, etc. as approved by the consultant. (Each circuit shall not feed more than 8 points OR 800 watts as per following configuration.)				
1.1	Primary light points including the cost of 5A switch (Normal & Inerter point)	21	Nos		
1.2	Secondary light points looped from the above point	22	Nos		
1.3	5A plug point as primary point (UPS / RAW Power)	10	Nos		
1.4	Secondary 5A Plug point on switch board or looped from above 5A primary point (UPS / RAW Power)	3	Nos		
1.5	Exhaust fan point consisting of 5A socket near fan and switch on light switch board	3	Nos		
2	Supply & installation of 5/15A Plug Point directly taken from DB for Pantry etc. including 2 x 2.5 sqmm circuit wires directly taken from the relevant DB and also including 2.5 sqmm green color copperearth wire	12	Nos		
3	Supply & Installation of point wiring for UPS or stabilized power plug points on workstations / table for computers using 3C X2.5 Sqmm copper conductor PVC sheathed white color flexible cable pulled through already laid floor raceways and taken upto table top using PVC rigid or flexible conduits run within wooden/metal partitions. Each point consisting of 3 nos of 5A , 2/3 pin sockets & 1 No., 15A Switch , wired together forming one point. The earth wire of 3 core flexible cable to be of yellow- green color only. <b>(Only TWO tables served by one circiut from DB)</b>	17	Nos		
4	Supply & Installation of point wiring for RAW or stabilized power plug points on workstations / table for computers using 3C X2.5 Sqmm copper conductor PVC sheathed white color flexible cable pulled through already laid floor raceways and taken upto table top using PVC rigid or flexible conduits run within wooden/metal partitions. Each point consisting of 1 nos of 5A , 2/3 pin sockets below table top & 1 No., Switch above table top, wired together forming one point.(ONLY FOUR tables served by one circiut from DB)	17	Nos		
6	Supply & installation of T.V. outlet point including all necessary hardware, accessories, etc.	1	Nos		
7	Supply & laying of RG-6 TV cable through heavy guage PVC conduit including all necessary hardware, accessories, etc.	75	Rmt		
<b>TOTAL OF SECTION - C</b>					-
<b>SECTION - D</b>					
<b>FLOOR RACEWAYS &amp; CONDUITS</b>					
1	Supplying, Installation, Testing & Commissioning of follwing raceways / conduits in flooring. The rate shall be inclusive of removing the flooring by cutter & back filling the same with required Sand, Cement etc.and giving the finishing upto the floor level as per Instruction of Architect / Engineer.				
a	80mm x 40mm Aluminum Raceways.	20	Mtrs.		

b	25mm Dia PVC conduit MMS Grade.	125	Mtrs.		
2	<b>FLOOR JUNCTION BOX (JB)</b>				
	Supplying, Installation, Testing & Commissioning of following <b>GI</b> junction boxes in floor of 14 SWG thick duly painted. The rate shall be inclusive of providing Sand, Cement etc. and finishing the same upto the floor level as per instructions of the Architect / Engineer.				
a	200mm x 200mm x14 SWG JB with Stainless Steel Cover Plate.	2	Nos.		
b	250mm x 250mm x14 SWG JBwith Stainless Steel Cover Plate.	4	Nos.		
c	300mm x 300mm x14 SWG JB with Stainless Steel Cover Plate.	1	Nos.		
<b>TOTAL OF SECTION - D</b>					
<b>SECTION - E</b>					
1	<b>LIGHT FIXTURE</b>				
a	2 x 2 x 36 Watts LED Light Fixture with accessories such as Chain Link Support on ceiling.	8	Nos.		
b	15/ Watts LED down light Fixture.	40	Nos.		
c	2/4 Feet LED Tubelight Fixture	0	Nos.		
d	Warmwhite LED Strip Light with Driver	0	Mtrs.		
e	9" Exhaust Fan	3	Nos.		
f	16" Wall Fan Fan	2	Nos.		
g	42"/48" Ceiling Fan.	0	Nos.		
h	Remove and Refix of existing 2' x 2' Light fitting with GI Bracket, complete as per layout & Instruction	4	Nos.		
<b>TOTAL OF SECTION - E</b>					-
<b>SECTION - F</b>					
<b>TELEPHONE CABLING</b>					
1	S/I/T/C of 10 pair Jelyfild telephone armoured cable in 25mm PVC pipe MMS grade.	45	Mtrs.		
2	S/I/T/Commissioning of 20 Pair telephone tag block with 5 Nos. 10 pair crone modulewith Termination & Crimping etc. complete.	1	Nos.		
3	S/I/T/Commissioning of Telephone point with 1 No.of RJ 11 socket, 1 Module Plate, Box etc.from Tag Block upto the Point.Including 2 Pair telephone cable in already laid pipes and raceways.	8	Nos.		
4	Do as above ITEM NO.4, but with 2 Nos.of RJ 11 socket.	1	Nos.		
<b>TOTAL OF SECTION - F</b>					-
<b>SECTION - G</b>					
<b>DATA CABELING WORK</b>					
1	Supplying / Installation/ Testing & Commissioning of D LINK make CAT 6 wires from Server to each work station	550	Mtr.		
2	Supplying / Installation/ Testing & Commissioning of D LINK make CAT 6 IO with box.	17	Nos.		
3	S/I/T/C of D LINK make 1 Rmts. Patch Chord.	17	Nos.		
4	S/I/T/C of D LINK make 2 Rmts. Patch Chord.	17	Nos.		
5	Remove, shift and Installation of existing 24 port Patch Panel & rack	1	No		
6	Remove, shift and Installation of existing 24 port Switch	1	No		
7	S & I OF 24 U RACK For mounting Patch Panel & 24 port switch with proper arrangement for dressing the cable & proper connection	0	No		
8	S & I OF 24 port Patch Panel with proper arrangement for dressing the cable & proper connection. Make; Systemax/amp/Molex .	0	No		
9	S & I OF 24 port switch 10/1000 giga with proper arrangement for dressing the cable & proper connection. Make; 'D' link .	0	No		
<b>TOTAL OF SECTION - G</b>					-

<b>SUMMARY</b>					
<b>A</b>	<b>Lighting / UPS Distribution Board</b>				
<b>B</b>	<b>Power Cable &amp; Termination</b>				
<b>C</b>	<b>Internal Lighting &amp; Power Wiring</b>				
<b>D</b>	<b>Floor Raceways &amp; Conduits</b>				
<b>E</b>	<b>Light Fixture</b>				
<b>F</b>	<b>Telephone Cabling</b>				
<b>G</b>	<b>Data Cabling Work</b>				
	<b>TOTAL</b>				-
	<b>LESS DISCOUNT IF ANY</b>				
	<b>NET TOTAL AMOUNT (Without GST):</b>				
	<b>ADD 9% CGST</b>				
	<b>ADD 9%SGST</b>				