

**BOQ FOR PROPOSED ELECTRICAL WORK FOR CENTRAL BANK OF INDIA NEW PREMISES FOR Mylapore Branch**

**ELECTRICAL WORK**

<b>Sl.No</b>	<b>Description Of Work</b>	<b>Qty</b>	<b>Unit</b>
<b>A</b>	Locally Fabricated free standing floor mounting fully Switch board (Cubical type) fabricated out of 16SWG and powder coated with Siemens grey shade (L&T)		
<b>1</b>	<b>Main Electrical LT Panel</b> Feeder Identification:MLT Panel The panel board comprising as under <b>Incomer:</b> 1Set of incoming feeder comprising of 200A TPN MCCB -1No Bus bar chamber: 200A TPN Al Bus bar,PVC sleeved supported by necessary insulators Instrument compartment in the panel consists of the following: 3Nos 250A/5Amps 10VA Class 1 CTs RYB Indicator -1Set Ammeter Selector switch-1Set Voltmeter Selector switch-1Set Potential transformer -1Set (0-300)A Ammeter-1Set (0-500)V Voltmeter -1Set Control Fuses <b>Outgoings:</b> 100A TPN SFU-1No 125A TPN SFU Switch - 1 No 63A TPN SFU -6Nos	1	Set
<b>B</b>	<b>Supply&amp;Installation&amp;Commisioing of the following</b>		
<b>1</b>	<b>LIGHTING DB(6 WAY TPN PHASE SEGREGATED DB)</b>		
	Three Phase, Phase SEGREGATED Distribution board with nuetral bar,earth bar,cables ties,top and bottom removable gland plate and with necessary adopter boxes if any.The DB should be IP 42 metallic double door with provisioin of MCB&ELCB etc as required including cuting of wall and plastering the same with neat finish.It comprising as follows:-  <b>( Make:MDS/Hager)</b> Incomer : 63A TPN MCB Outgoings: 40A DP MCB -3Nos 10/6A SP MCBs- 18Nos	1	Set
<b>2</b>	<b>POWER DB(6WAY TPN PHASE SEGREGATEDDB)</b>		
	Three Phase, Phase SEGREGATEDDistribution board with nuetral bar,earth bar,cables ties,top and bottom removable gland plate and with necessary adopter boxes if any.The DB should be IP 42 metallicdouble door with provisioin of MCB&ELCB etc as required including cuting of wall and plastering the same with neat finish.It comprising as follows:-  <b>( Make:MDS/Hager)</b> Incomer : 63A TPN MCB Outgoings: 63A DP MCB-3Nos 10-32 A /25/20A SP MCBs- 18Nos	1	Set
<b>3</b>	Supply, erection, testing and commissioning of three phase 8 WAY, TPN MCB DB double door vertical type, IP 42 powder coated for Main DB with: 125A TPN MCCB – 1No as INCOMER 40A TP MCB - 2 Nos & 32 ASPMCB - 6 Nos Including all interconnections & accessories etc	1	1No
<b>4</b>	<b>C DB(12WAY SPN DB)</b>		

Sl.No	Description Of Work	Qty	Unit
	12 Way SPN Distribution board with neutral bar, earth bar, cables ties, top and bottom removable gland plate and with necessary adopter boxes if any. The DB should be IP 42 metallic double door with provision of MCB & ELCB etc as required including cutting of wall and plastering the same with neat finish. It comprising as follows:-		
	( Make:MDS/Hager) Incomer : 63ADP MCB Outgoings: 10A SP MCBs- 10Nos	1	Set
5	Supply&Installation of the following with the necessary enclosure and adopter boxes if necessary,		
	a) 63A TPN MCB ( UPS MAIN)	2	Set
	b) 63A DP MCB ( UPS INPUT /OUTPUT)	4	Set
6	Supply&Installation of 32A Metal Clad Socket with top in a specified company manufactured box with suitable rating MCB for connecting A/C points	6	Set
6	Supply&Installation of 250A 4Pole Changerover switch with Enclosure	1	Set
7	Supply&Installation of 63A Phase Changer with indicator	2	Set
<b>C LT CABLES</b>			
	Supply&Laying of the following cables in built up trenches, on wall, or in the ground as per the case may be, with proper clamping with necessary fixing materials etc. Installing testing & commissioning of 1100V grade UG cable as per IS 7098/1554 ( Finolex/ Universal)		
1	3.5 Core 70 Sqmm Aluminium Armored cable (EB main with generator)	20	Mtr
2	End Termination of the above cables with proper Glands and Lugs	8	Set
<b>D WIRING</b>			
1	Light/Fan point wiring with 3 of 1.5 sqmm Finolex FRLS PVC insulated copper conductor to be laid in 2mm suitable PVC conduit with Bend, Couplings, etc.. And fixing with clamps screws etc. All conduits to be laid above the false ceiling/partition/concealed in the wall etc. Wiring to be connected with supply & Fixing of 6A Modular type switch (MK/ROMA) with suitable Modular plate and metal Box		
	a) One light Controlled by One Switch	6	Pts
	b) Two light Controlled by One Switch	12	Pts
	c) 6A Switch box Sockets in the switch board itself	10	Pts
<b>E POWER POINT OUTLETS(Including wiring)</b>			
1	Supply&Installation of 4 Nos of 6A Sockets (UPS Point) controlled by 2Nos 16A Switches with front plate with enclosure and other accessories etc.. (MK /ANCHOR)	10	Set
2	Supply&Installation of 1Nos of 6A Socket controlled by 1No 6A Switch with front plate with enclosure and other accessories etc.. (MK /ANCHOR) (Raw Power)	10	Set
3	Supply&Installation of 1 Nos of 16A Sockets controlled by 1Nos 16A Switches with front plate with enclosure and other accessories etc.. (MK /ANCHOR)	6	Set
<b>F LIGHTING FIXTURES(including wiring)</b>			
1	Supply, Fixing & Commissioning of Surface mounting type 2x36W LED fitting with Lamps with fixing accessories. (WIPRO, PHILIPS, CROMPTON, SYSCA),	12	Set
2	Supply, Fixing & Commissioning of Surface mounting type 18W LED downlighter fitting with Lamps and other fixing accessories.	4	Set
3	Supply & Fixing of exhaust fan dia 9"	3	Set
4	Supply and installation of tube-light fitting with lamp and with necessary fixing accessories etc	3	Set
<b>G EARTHING</b>			
1	Providing dedicated earthing with 600x600x3.15mm copper plate along with 50mm dia. 10 feet long G.I pipe with other accessories in the earth filled with necessary salt, charcoal, etc. It should be covered with G.I Manhole cover with necessary civil works etc..	2	Set
2	Supply & Laying of 10 Sqmm PVC Insulated Multistrand copper conductor laid in 25mm dia PVC pipe for Dedicated earth leads from the earth electrodes to the UPS system	25	Mtr
3	Supply&Laying of 8SWG copper wire	25	Mtr
4	Supply and laying 3.5 core x 35 sqmm UG armoured cable for generator	30	P/Mtr
5	Supply and fixing 100 Amps 4P changeover switch for generator	1	P/No
<b>H TELECOMMUNICATION CABLING</b>			
1	Supply & Laying of 2 pair telephone cable in the 2mm Thk suitable PVC conduit for all telephone points (delton)	150	Mtr
2	Supply & Fixing of RJ 11 Telephone Sockets	8	Set
3	Supply&Installation of 10 Pair KRONE Box with Enclosure	1	Set