

ABSTRACT OF ESTIMATED COST FOR PROPOSED ELECTRICAL WORK FOR CENTRAL BANK OF INDIA NEW PREMISES FOR KILLAI BRANCH

ELECTRICAL WORK

Sl.No	Description Of Work	Qty	Rate	Unit	Amount (Rs.)
	To ensure that the main supply can be cut-off at the Branch exit with one main switch while supply is continued to Server/ UPS/ Server Acs				
A	Locally Fabricated free standing floor mounting fully Switch board (Cubical type) fabricated out of 16SWG and powder coated with Siemens grey shade (L&T)				
1	Main Electrical LT Panel Feeder Identification:MLT Panel - Standard 3 phase panel of Legrand or equivalent The panel board comprising as under Incomer: 1Set of incoming feeder comprising of 200A TPN MCCB -1No Bus bar chamber: 200A TPN AI 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 RCBO - Residual current Device 30mA to protect against leakage and overcurrent - all electrical installations to pass through RCBO only. SPD - Search Protection Device of type 1+2 specification to be provided Outgoings: 4 pole MCBs	1		Set	
B	Supply, Installation & Commissioning of the following				
1	LIGHTING DB(6 WAY TPN PHASE SEGREGATED DB)				
	Three Phase, Phase SEGREGATED 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 : 63A TPN MCB Outgoings: 40A DP MCB -3Nos 10/6A SP MCBs- 18Nos	1		Set	
2	POWER DB(6WAY TPN PHASE SEGREGATEDDB)				

Sl.No	Description Of Work	Qty	Rate	Unit	Amount (Rs.)
	Three Phase, Phase SEGREGATED 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 : 63A TPN MCB Outgoings: 63A DP MCB-3Nos 10-32 A /25/20A SP MCBs- 18Nos				
3	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 ASP MCB - 6 Nos Including all interconnections & accessories etc	1		1No	
4	C DB(12WAY SPN DB)				
	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	2		Set	
7	Supply & Installation of 250A MCB Type Changer switch with Enclosure	1		Set	
8	Supply & Installation of 63A Phase Changer with indicator	1		Set	
9	Supply and laying 3.5 core x 35 sqmm UG armoured cable for generator	50		P/Mtr	
C	LT CABLES				
	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 x 70 Sqmm FRLSH Aluminium Armored cable (EB main with generator)	70		Mtr	
2	End Termination of the above cables with proper Glands and Lugs	4		Set	
D	WIRING				

Sl.No	Description Of Work	Qty	Rate	Unit	Amount (Rs.)
1	Light/Fan point wiring with 3 of 1.5 sqmm Finolex FRLSH 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	18		Pts	
	b) Two light Controlled by One Switch	7		Pts	
	c) 6A Switch box Sockets in the switch board itself	7		Pts	
	d) 16A Switch box Sockets in the switch board itself	4		Pts	
2	Supply&Wiring with Flame Retardant Insulated PVC copper wire as per grade IS 994 for Circuits, Computer point, Power points within 2mm thk PVC conduits with necessary accessories and with proper clamps and to be concealed below the false ceiling. It comprises as follows:-				
	a) 3Runs of 2.5Sqmm copper wire in PVC conduit for circuit mains	100		Mtr	
	b) 3Runs of 2.5Sqmm copper wire in PVC conduit for Power points	100		Mtr	
	c) 3Runs of 2.5Sqmm copper wire in PVC conduit for computer points	100		Mtr	
	d) 2Runs of 4Sqmm copper wire+2.5Sqmm copper wire in PVC conduit for AC wiring	100		Mtr	
	d) 4 Runs of 10 Sqmm copper wire+2.5Sqmm copper wire in PVC conduit for UPS / LDB / RDB	100		Mtr	
	d) 2Runs of 10 Sqmm copper wire+2.5Sqmm copper wire in PVC conduit for UPS wiring	100		Mtr	
E	POWER POINT OUTLETS				
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/ROMA) for all counters, one additional each in BM cabin, Cash Cabin, Server Room and Customer area for display board	7		Set	
2	Supply & Installation of 1Nos of 6A Socket controlled by 1No 6A Switch with front plate with enclosure and other accessories etc..(MK/ROMA) (Raw Power)	7		Set	
3	Supply & Installation of 1Nos of 6A + 16A Socket controlled by 1No 6A Switch with front plate with enclosure and other accessories etc..(MK/ROMA) (Raw Power)	4		Set	
F	LIGHTING FIXTURES				
1	Supply, Fixing & Commissioning of Surface mounting type 2x36W LED fitting with Lamps with fixing accessories.,	15		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" IN TOILETS and Elec Room - Crompton make	2		Set	
4	Supply & Fixing of ceiling fan dia in Strong room - Crompton make	2		Set	
5	Supply & Fixing of wall-mounted fan dia IN CASH CABIN/CM CABIN/ATM WALL/3 IN CUSTOMER AREA - Crompton make	8		Set	

Sl.No	Description Of Work	Qty	Rate	Unit	Amount (Rs.)
6	Supply and installation of tube-light fitting with lamp and with necessary fixing accessories etc IN Back Room and Electrical Room	2		Set	
G	CHEMICAL EARTHING				
1	Providing dedicated earthing with 50mm, 2m long G.I. electrodes, earthing strip/copper conductor of 25 sqmm and other accessories in the pit filled with conduction compound, includes necessary rods, carbon powder, etc. It should be covered with G.I Manhole cover with necessary civil works.etc..	1		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	100		Mtr	
3	Supply & Laying of 8SWG copper wire	100		Mtr	
H	TELECOMMUNICATION CABLING				
1	Supply & Laying of 2 pair telephone cable in the 2mm Thk suitable PVC conduit for all telephone points (delton)	100		Mtr	
2	Supply & Fixing of RJ 11 Telephone Sockets	5		Set	
3	Supply & Installation of 10 Pair KRONE Box with Enclosure	1		Set	
4	Supply & Installation of 30 Pair KRONE Box with Enclosure	1		Set	
	Total for Electrical works				