

ESTIMATES FOR ELECTRICAL WORK FOR CANARA BANK AT KATHIPUDI BRANCH					
SNO	ITEM DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2x2 36W LED recessed mounting light fitting (Havells/Wipro/Crompton/philips or Equivalent) including cost and conveyance of all materials, taxes and all labor charges etc., complete. with all inter connections and fixing arrangement (should be hanged with the help of chains/GI from the ceiling) as required. The price should be include fixing arrangement in Gypsum/ Grid ceiling etc.	16	Nos		
2	15 W LED recessed mounting downlight fitting (Havells/Wipro/Crompton/philips or Equivalent) including cost and conveyance of all materials, taxes and all labor charges etc., complete	24	Nos		
3	Supply & Fixing of 400 mm sweep Wall mounted fan (Metal blade) with 3 pin Plug on the lead wire of each fan all accessories Electrical connections. Including fixing materials required. ( Havells Swing model or Crompton Hi Flo Make or equivalent)	8	No		
4	Supply and fixing of 4' Led Tube Lights	15	No		
5	Supply and fixing Ceiling Fans High speed Crompton make with suitable all fixing materials etc. Supply & Fixing	3	No		
6	Heavy Duty Exhaust Fans 9"	3	No		
7	Supply and wiring of Light and fan Points with Switch. MS Box, Plate and also Suitable Size 2mm thick PVC conduit with 3x1.5Sqmm Copper multistrand flexible pvc insulated cable (FRLS) with required all Materials etc. (Rate including the circuit wiring from Lighting Distribution Board to Switch Board Wiring 2x2.5+1.5Sqmm Wire and PVC Conduites) Supply & Wiring	40	Pts		
8	Looping/Secondary Point Supply & Wiring	10	Pts		
9	Supply and wiring of Bell point with bell Push and Ding Dong Bell with Suitable Size 2mm thick PVC conduit with 3x1.5Sqmm earth wire Copper multistand flexible pvc insulated wires and 5A Switch cum sockets with Surface/Conceiled Box with required all materials etc. Supply & Fixing	1	set		
10	Supply and wiring of Wall Monting Fan points from Near with 3x1.5Sqmm earth wire Copper multistand flexible pvc insulated wires and 5/6A Switch cum sockets with Surface/Conceiled Box with required all materials etc.	8	set		
11	<b>A/C Points:</b> Supply and wiring of Circuits for Acs with Suitable 2mm thick PVC Conduite and 2x4.0Sqmm + 2.5Sqmm earth wire Copper multistand flexible pvc insulated wires (FRLS) with Supply and fixing of Metal Clad socket and 25/32A SP MCB and all required all materials etc. Supply & Fixing.	6	set		
12	<b>SWITCH CUM SOCKETS</b> Supply and fixing of 1No. 6A Sockets with 6A Switch control for above Switch Control Boards with suitable Surface/MS Boxes etc. Including Connections	20	Nos		

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13	Supply and fixing of 2No. of 16A Sockets with 1 No. of 16A Switch control for Raw/UPS Power with Suitable Surface/MS boxes etc. Supply & Fixing	8	Nos		
14	Supply and fixing of 3 No. of 6A Sockets with 2 No. of 16A Switch control for Raw/UPS Power with Suitable Surface/MS boxes etc. Supply & Fixing	11	Nos		
15	<b>UPS Wiring:</b> Supply and wiring of Circuits for UPS power from UPS DB to individual Tables with suitable 2mm thick PVC Conduite and 2x2.5 Sqmm + 2.5 Sqmm earth wire Copper multistand flexible pvc insulated wires with required all materials etc. Supply & Wiring	4	Pts		
16	Secondary point	3	Pts		
17	Supply and wiring of Circuits for Raw power from RAW Power DB to individual tables with Suitable 2mm thick PVC Conduite and 2x2.5 Sqmm +1.5 Sqmm earth wire Copper multistand flexible pvc insulated wires with required all materials etc. Supply & Wiring	6	Pts		
18	Secondary point	2	Pts		
19	<b>EARTHING:</b> Supply, fixing, testing & commissioning of earthing Earthpit with copper plate 600x600x3mm thick, 25x6mm copper flat, 40mm GI pipe, 100KG charcoal 100KG salt, funnel, mesh, cover etc. Digging depth up to 7	2	Nos		
20	Supply and fixing of 8SWG bare Copper wire with suitable PVC conduit required all materials etc.	70	Mts		
21	Supply and wiring of telephone points including wiring with 4 pair copper cable and suitable conduit, required all materials ect. & GI boxes with Telephone socket (RJ-11) with mounting box & front plate complete in all respect.	6	Nos		
22	Supply and wiring of Circuits for inputs with Suitable Size 2mm thick PVC Conduite and 4x6.0Sqmm+4.0Sqmm earth wire Copper multistand flexible pvc insulated wires with required all materials etc. (LDB Input)	25	Mts		
23	Supply and wiring of Circuits for Input with Suitable size 2mm thick PVC Conduite and 4x6.0Sqmm +4.0Sqmm earth wire Copper multistand flexible pvc insulated wires with required all materials etc. (UPS input) Supply & Wiring	25	Mts		
24	Supplying, laying, testing & commissioning of 4 C X 25 sq.mm. at 1100 volts grade XLPE insulated aluminum conductor armoured cable with 10 gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination accessories, Clamps etc. as required as per specification (AC DB + RAW POWER DB).	30	Mts		
25	Supplying, laying, testing & commissioning of 4 C X 50 sq.mm. at 1100 volts grade XLPE insulated aluminum conductor armoured cable with 10 gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination accessories, Clamps etc. as required as per specification (MAINS).	50	Mts		

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	<b>PANEL BOARD : (MCB/MCCB- Legrand/schneider/L&amp;T Make)</b>				
	SITC of Wall / Floor mounting Type, dust and vermin proof main distribution board panel fabricated of 18swg (powder coated) and . (Provide labeling in Panel) including DANGER sign and necessary precautions, Earth Bus Bar 25x5mm GI Strip- 2 nos(At the bottom) & outgoing consting of:				
26	Supplying and fixing sheet steel enclosure on surface/ recess along with 125A Re-wirerale fuse box complete with connections, testing and commissioning etc. as required. Near Dept meter.	1	Pts		
27	<b>MASTER CONTROL SWITCH:</b>	1	Nos		
	<b>INCOMER</b>				
	125A, 4P, MCCB, 16KA -1 no				
	<b>INDICATIONS</b>				
	R,Y, B Phase indicating lamps				
	V & A Meter				
	ON, OFF indication for Main Breaker				
28	<b>MAIN INCOMING PANEL:</b>	1	Nos		
	<b>INCOMER</b>				
	125A, 4P, MCCB, 16KA -1 no				
	<b>OUTGOING</b>				
	1 no of 40 A 4P MCB for Lighting DB				
	1 no 63 A 4P MCB for AC Control				
	1 no 40 A 4P MCB for RAW POWER DB.				
	2 nos 25 A 2P MCB for Spare				
	1 no 40 A 4P MCB for Spare				
	<b>INDICATIONS</b>				
	R,Y, B Phase indicating lamps				
	V & A Meter				
	ON, OFF indication for Main Breaker				
	<b>Busbar</b>				
	125A, 4W AL. bus bar.				
	<b>DISTRIBUTION BOARD(Double Door DBS)</b>				
	Supplying, installing, testing & commissioning of surface/recessed mountings, Double door 415 volts TPN MCB distribution board of steel, 1.6 mm thick dust phosphatized and painted, inclusive of 100 amps, tinned copper bus bars, earth bar, common neutral link, din bar for mounting of MCB's detachable gland / knock out plate & with built in loose wire box, and superior make terminal connectors for all incoming and outgoing circuits duly prewired with adequate size of PVC insulated copper wires between the bus bars and the MCB's as well as the incomer and up to the terminal connectors/ neutral link and ready for installation of following ways as required.				
	Use 'B' curve MCB's for lighting & small power circuits, 'C' curve for motor duty i.e. for pumps, AC motors, window and split AC's etc.& 'D' curve for UPSDB's i.e. for computers/ PC's circuit. Main incomer & outgoing circuit MCB's shall be selected accordingly i.e. type B, C & D. Contractor to select the MCB's accordingly as per the nature of the circuit/ load.				
29	4-way VTPN DB (DB): <b>Incomer:-</b> 1 No. 63 Amp TPN (10 KA) MCB <b>Outgoing:-</b> 3 Nos.32 Amp (10 KA) TP MCB 3 Nos.16 Amp (10 KA) SP MCB	1	No		

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30	6-way TPN DB (LIGHT DB): <b>Incomer:-</b> 1 No. 40 Amp TPN (10 KA) MCB with <b>Sub Incomer:</b> 3 No of 25 A DP RCCB (30 mA) each phase <b>Outgoing:-</b> 12 Nos.6/10 Amp (10 KA) SP MCB	1	No		
31	6-way TPN DB (Power DB): <b>Incomer:-</b> 1 No. 40 Amp TPN (10 KA) MCB with <b>Sub Incomer:</b> 3 No of 25 A DP RCCB (100 mA) each phase <b>Outgoing:-</b> 12 Nos.6/10 Amp (10 KA) SP MCB	1	No		
32	6-way TPN DB (AC DB): <b>Incomer:-</b> 1 No. 63 Amp TPN (10 KA) MCB with <b>Sub Incomer:</b> 3 No of 25 A DP RCCB (100 mA) each phase <b>Outgoing:-</b> 12 Nos.6/10 Amp (10 KA) SP MCB	1	No		
33	4-way TPN DB (ATM DB): <b>Incomer:-</b> 1 No. 40 Amp TPN (10 KA) MCB with <b>Sub Incomer:</b> 3 No of 25 A DP RCCB (100 mA) each phase <b>Outgoing:-</b> 6 Nos.6/10 Amp (10 KA) SP MCB	1	No		
34	12-way SPN DB (UPS DB): <b>Incomer:-</b> 1 Nos. 40 A (10 KA) DP MCB <b>Outgoing:-</b> 10 Nos. 10/16/25/32 Amp (10KA) SP MCB	1	No		
35	Supply & fixing of 3 Phase 63A Manual Phase Changeover Switch without OFF for UPS input. (L&T Make)		No		
36	Supplying and fixing DP sheet steel enclosure on surface/ recess along with 40A 240 V "C" curve DP MCB complete with connections, testing and commissioning etc. as required. UPS INPUT & OUTPUT.	2	Pts		
	<b>LAN CABLING</b>				
37	Supply and Laying of 4Pair, UTP cat6E Lan Cable with Information outlet and Suitable 2mm Thick PVC Pipe Laying Below Flooring/Wall/Slab etc MS Junction Boxes to All Tables , Including all Related Civil Works etc All Cable Numbers to be Provided at both ends( systimax) Supply&fixing	12	Nos		
38	Supply of 7 feet Patch Cords. Supply&fixing	12	Nos		
39	Supply of 3 feet Patch Cords. Supply&fixing	12	Nos		
40	Supply of 24 patch panel Supply&fixing	1	LS		
41	Supply & Fixing of 12U Rack	1	LS		
42	Supply & Installation of rubber mats (Class-A) of 1000 mm x 2000mm & thickness of 10mm: 3.3 KV Voltage grade	1	Nos		
43	Installation of RGB indicator set at the entrance of the branch showing the output of LDB, UPS SDB, AC and Raw Power DB with necessary wiring and equipment related	1	LS		
44	Electrical safety sign infermative board for electrical room	2	Nos		
45	<b>Sign Board Timer:</b> Supply and Fixing of in pvc box with Contator Based Timer Control Switch.	2	Nos		
B)	<b>TOTAL AMOUNT (Rs)</b>				