

ELECTRICAL WORK ESTIMATES FOR CANARA BANK AT RAH VISAKHAPATNAM (1st and 2nd floor)

SNO	ITEM DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2x2 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.	30	Nos		
2	12 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	49	Nos		
3	Supply and fixing Wall Mounting Fans of 16" High speed Crompton make Metal Body with suitable all fixing materials etc. Supply & Fixing	16	No		
4	Supply and fixing of 4' Led Tube Lights(20 W)	27	No		
5	Supply and fixing Ceiling Fans High speed Crompton make with suitable all fixing materials etc. Supply & Fixing	6	No		
6	Heavy Duty Exhaust Fans 9"	5	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) Primary Point Supply & Wiring	67	Pts		
8	Looping/Secondary Point Supply & Wiring	16	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 Mounting 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.	16	set		
11	A/C Points: 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.	12	set		
12	SWITCH CUM SOCKETS 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		Internal
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	222	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	17	Nos		
15	UPS Wiring: 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	15	Pts		
16	Secondary point	7	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	13	Pts		
18	Secondary point	7	Pts		

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19	EARTHING: 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.	50	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.	5	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)	75	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	50	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).	80	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).	55	Mts		
26	MAIN INCOMING PANEL: (MCB/MCCB- Legrand/schneider/L&T Make)				
	SITC of Wall / Floor mountaing Type, dust and vermin proof main distribution board panel fabricated of 18swg (powder coated) comprising of Busbar (each of RYB +N) copper 150 amp each, 125 Amp MCCB 4P adjustable 25 kA - 1no as incoomer, Digital Panel Meter- 3 Phase VAF + PF Meter (L&T/Legrand). On load Generator change over 100 amp 4 p switch should be available in the panel with connection only for lighting and UPS control and R,Y, B Phase indicating lamps. (Provide labeling in Panel) including DANGER sign and necessary precautions, Earth Bus Bar 25x5mm GI Strip- 2 nos(At the bottom) & outgoing consting of:	1	Nos.		
	OUTGOING				
	1 nos of 40 A 4P MCB for Lighting DB				
	1 nos 40 A 4P MCB for ATM				
	1 nos 63 A 4P MCB for UPS Control				
	1 nos 63 A 4P MCB for AC Control				
	1 nos 40 A 4P MCB for RAW POWER Cntrol. Futur Provision also				
27	DISTRIBUTION BOARD(Double Door DBS)				
	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 incoomer 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 incoomer & 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.				
	Each DB shall have separate neutral links of rating not less than 100A for each phase. The main incoming neutral link shall be in addition to three outgoing neutral links and shall be of 125 A.				

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	UPS DB's shall have a dedicated Earthing link fixed on insulated supports, which will be in addition to body earth link.				
	All internal inter connecting wiring with in the DB's shall be PVC insulated flexible copper conductor wires of adequate capacity as per the current rating. Inside each DB, a DB chart is to be fixed.				
A	6-way TPN DB (LIGHT DB): Incomer:- 1 No. 40 Amp TPN (10 KA) MCB with 3 No of 25 A DP RCCB (30 mA) each phase Outgoing:- 12 Nos. 6/10 Amp (10 KA) SP MCB	2	No		
C	4-way TPN DB (Power DB) Incomer :- 1 No. 40 Amp TPN (10 KA) MCB with Outgoing :- 6 Nos. 10/16/25/32 Amp (10 KA) SP MCB	2	No		
D	6-way TPN DB (AC DB) Incomer :- 1 No. 63 Amp TPN (10 KA) MCB with 1 No of 63 A 4P RCCB (100 mA) Outgoing :- 9 Nos. 10/16/25/32 Amp (10 KA) DP MCB	2	No		
E	12-way SPN DB with 1 Nos. 40 A (10 KA) DP MCB for incoming and 10 Nos. 10/16/25/32 Amp (10KA) SP MCB (For UPS Output - SDB)	2	No		
28	Supply & fixing of 3 Phase 63A Manual Phase Changeover Switch without OFF for UPS input. (L&T Make)	2	No		
29	Supplying and fixing FP sheet steel enclosure on surface/ recess along with 63 A 415 V "C" curve TPN MCB complete with connections, testing and commissioning etc. as required.	2	No		
30	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 FOR UPS INPUT	2	No		
	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 FOR UPS OUTPUT	2	No		
	LAN CABLING				
31	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	36	Pts		
32	Supply of 7 feet Patch Cords. Supply&fixing	36	Nos		
33	Supply of 3 feet Patch Cords. Supply&fixing	36	Nos		
34	Supply of 24 patch panel Supply&fixing	4	Nos		
35	Supply & Fixing of 12U Rack	2	Nos		
36	Supply & Installation of rubber mats (Class-A) of 1000 mm x 2000mm & thickness of 10mm: 3.3 KV Voltage grade	2	Nos		
37	Charges towards removal of existing wiring during civil/renovation work and giving temporary connections of light points, UPS, raw and Data supply to counters and cabins using extension boards from existing panel /server using existing old materials. Contractors has to arrange the materials at his own cost if any additional cables, switch boards are required at site for smooth functioning of Branch. cost Includes necessary modification in main panel for master switch & load balancing etc.	1	LS		
	TOTAL AMOUNT (Rs)				
	DISCOUNT				
	GRAND TOTAL AFTER DISCOUNT				
	AMOUNT IN Rs.				
	GST 18% EXTRA				

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