

BOQ FOR ELECTRICAL WORK FOR CANARA BANK AT DWARKA TIRUMALA BRANCH & ATM - RO BHIMAVARAM					
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.	12	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	12	Nos		
3	Supply and fixing Wall Mounting Fans of 16" High speed Crompton make Metal Body with suitable all fixing materials etc.	8	No		
4	Supply and fixing of 4' Led Tube Lights	15	No		
5	Supply and Fixing of 48" High Speed Crompton Ceiling Fan or as per approved make with suitable down rods, Fan Hooks electrical regulator etc.	2	No		
6	Same as above but 24" high speed fan	2	No		
7	Heavy Duty Exhaust Fans 9"	3	No		
8	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 and concealed sockets for wall fans etc complete) Primary Point	47	Pts		
a	Supply & Wiring Looping/Secondary Point	7	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/Concealed Box with required all materials etc. Supply & Fixing	1	set		
10	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.	4	set		
11	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	9	Nos		
	UPS / RAW power				
12	Supply and wiring of Circuits for UPS power from UPS DB to Individual Tables with Suitable 2mm thick PVC Conduit and 2x2.5 Sqmm +2.5Sqmm earth wire Copper multi strand flexible pvc insulated wires with all required materials along with Supply and fixing of 2No of 6A Switches and 3 No of 6A Sockets .	8	Pts		
13	Secondary point	4	Pts		

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14	Supply and wiring of Circuits for Raw power from RAW Power DB to Individual tables with Suitable 2mm thick PVC Conduit and 2x4.0Sqmm +2.5 Sqmm earth wire Copper multi strand flexible pvc insulated wires with all required materials etc. along with Supply and fixing of 1No of 16A Switch and 2 No of 16A Sockets .	6	Pts		
15	Secondary point	4	Pts		
	Earthing				
16	Supply, fixing, testing& commissioning of earthing Earth pit with copper plate 600x600x3mm thick, 25x6mm Copper flat, 40mm GI pipe, 100KG charcoal, 100KG salt, funnel, mesh, cover etc. digging depth up to 7' or Chemical earthing as per manufacturer specification and as per BIS, latest IS code for Electricity. (include chamber for earthing, Earthing certificate to be submitted along with the bill). or Chemical earthing to be provided but approval for the same to be taken from Bank / Architect	2	Nos		
17	Supply and fixing of 8SWG bare Copper wire with suitable PVC conduit required all materials etc.	110	Mts		
18	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.	4	Nos		
19	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)	10	Mts		
20	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)	35	Mts		
21	Supplying, laying, testing & commissioning of 4 C X 16 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).	20	Mts		
22	Supplying, laying, testing & commissioning of 4 C X 35 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		
23	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 incomer and up to the terminal connectors/ neutral link and ready for installation of following ways as required.				

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	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.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. 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 within 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.				
	MAIN DBS / SUB DBS- Supply Installation Testing and commissioning of TPN MCB Double door Distribution boards dust and vermin protected and rated for 415V, Three Phase AC supply operation including incoming MCB/ELCB as per specifications and required capacity Neutral bar and Earth terminal complete as required and installed in flush with wall including all fixing materials required. MCBs shall conform : 8828 and ELCB /RCCB shall conform to IS : 12640 a)Supply, installation, testing and commissioning of (Double door) with 8Way VTPN MCCB DPX DB with 80A 4Pole MCCB as incomer and 63A TPMCBs - 2 Nos, 40A TP MCbs-2 Nos, and 12 nos 63/10/32A SPMCBs outgoing. (for MAIN DB)	1	No		
24	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	1	No		
25	4-way TPN DB (Power DB) : Incomer :- 1 No. 40 Amp TPN (10 KA) MCB with 3 No of 25 A DP RCCB (30 mA) each phase, Outgoing :- 6 Nos. 10/16/25/32 Amp (10 KA) SP MCB	1	No		
26	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	1	No		
27	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)	1	No		
28	Supply & fixing of 3 Phase 63A Manual Phase Changeover Switch without OFF for UPS input. (L&T Make)	1	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. UPS INPUT	1	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. UPS INPUT	2	No		
31	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 OUTPUT	2	No		
	LAN CABLING				

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32	Supply and Laying of 4Pair, UTP cat 6 E Lan Cable with 2 port Information outlet box with seperate lan wiring 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 (Systemax / Dlink) rate to include the 2 point wiring and single IO box, will be considered single point	12	Pts		
33	Supply & fixing of 7 feet factory crimped Patch Cords.	12	Nos		
34	Supply & fixing of 3 feet factory crimped Patch Cords.	12	Nos		
35	Supply & fixing of 24 Port Jack Panel with accessories, with all required material, labour etc complete for the finished item of work	1	Nos		
36	Supply & fixing of 12U Rack with Accessories (Shelf, Power Manager, Cable Manager, Fan etc) with all required material, labour etc complete for the finished item of work	1	Nos		
37	Supply & Installation of rubber mats (Class-A) of 1000 mm x 2000mm & thickness of 10mm: 3.3 KV Voltage grade	1	Nos		
38	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		
39	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		
43	Supply and wiring of Inverter wiring using of 2 Core 2.5 Sqm and 1 core of 1.5 sqmm for Inverter to DB's, Item including out put and in put wiring using of 2 Core 4 Sqmm and one core of 2.5 sqmm, item including of input and out put 16A sockets, item including all necessary items, labour charges, complete for the finished item of work.	1.00	Job work		
TOTAL AMOUNT FOR ELECTRICAL WORK					
DISCOUNT					
GRAND TOTAL AFTER DISCOUNT					
AMOUNT IN RUPEES:					
GST 18% EXTRA					

SEAL AND SIGNATURE OF THE CONTRACTOR