

**PROPOSED ELECTRICAL WORKS FOR INDIAN BANK AT JP ROAD BRANCH AND ATM,
BHIMAVARAM, ANHDRA PRADESH.**

ABSTRACT ESTIMATE

SL. NO.	PARTICULARS			AMOUNT IN RUPEES
1	ELECTRICAL WORKS BRANCH - 1			
2	ELECTRICAL WORKS ATM - B			
	TOTAL			
	IF ANY DISCOUNT			
	GARAND TOTAL OF INTERIOR AND ELECTRICAL WORKS			
Note:1	The Quantities of the above items may be increased or decreased as per site condition and the bank has got the right to delete or increase/ decrease any quantity as per the convenience at the branch. However the contractor shall have binding over the rates quoted by them.			
Note:2	The make of all the material Specified above shall be followed as per the list of material approved and enclosed here with			
Note:3	The GST extra as applicable.			

**SIGNATURE OF
THE CONTRACTOR**

PROPOSED ELECTRICAL WORKS FOR INDIAN BANK, JP ROAD BRANCH AND ATM AT JUVVALAPALEM RAOD, BHIMAVARAM, ANHDRA PRADESH.					
SCHEDULE OF QUANTITIES, SPECIFICATIONS AND ESTIMATE: ELECTRICAL WORKS					
Sl. No.	Particulars	Qnty.	Unit	Rate	Amount (Rs.)
	BRANCH ELECTRICAL WORKS				
I.	POINT WIRING				
Note:	Supply, laying, connection & testing of light, fan point, wiring by 2x1.5sq.mm+1x1.5sqmm PVC insulated copper flexible wire maintain the colour code as per direction in PVC conduit of 20mm with ISI mark 1.5mm thickness to conceal in wall partition mending good the damage, complete with PVC circular box, bend to be done as per drawings including 3point ceiling orse wherever required GI saddle to be used for fixing, metal flexible, PVC flexible pipe may use if required in partition wall. All PVC pipes should be with ISI mark.No joints will be allowed inside pipe, light, fan & plug point complete with modular type switch plate & MS box.Including the main circuit line 2x2.5sqmm+1x1.5sqmm earth PVC insulated copper wire, maintain the color code. Circuiteline for lighting switch board, 6Amps plug board are to be drawn from lighting DB to lighting board & plug point board,6/16 amps plug point line are to be draw from power DB amps plug to be & to 6/16plug point board.3no's lighting board,3no's 6amps connected from one circuit & one 2 no's 6/16plug to be connected from one circuit.				
	All the wires 4 Sqmm and above shall be terminated with Copper pin type Lugs.				
	Light point complete with modular type witch, plate, M.S conceal box.				
1.1)	a)1 Light control by 1switch	31	PTS		
	b)2 Light control by 1switch	10	PTS		
1.2)	5 Amp. Socket (Dependent)				
	Supply and fixing of 5 Amp. 5 pin combined switch socket outlet with switch in lighting control board including interconnections. (Lopped from nearest switch board)	10	NOS		
1.3)	Ceiling Fan Point				

	Supply and wiring for ceiling fan point with 3 runs 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with odular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required, the item included 120w step type regulator, anchor fastner, providing of fan hook.	3	PTS		
1.4)	Wall Mounted Fan Point				
	Supply and wiring similar to item similar to the above but for wall Mounting fan point including box and 5 Amp. Control switch, Providing Clamp.	8	PTS		
1.5)	Exhaust fan point				
	Supply and wiring for exhaust fan point with 3runs of 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 sq.mm.FRLS PVC insulated copper conductor single core cable etc. as required.	4	PTS		
1.6)	Call bell point with 1 Buzzer				
	Supply and wiring same as item 1.1 above but for Call bell point including supply and fixing of 5A bell push along with Buzzer	1	NO		
	RAW POWER:				
1.7)	Raw Power Socket: Supplying and fixing metal box of 180mm X 100mm X 60mm deep (nominal size) on concealed with suitable size of phenolic laminated sheet cover in front including providing and fixing 6 pin ,15/16 A socket outlet and 15/16 A piano type switch, connections, painting etc. as required, supply and wiring with 2 runs of 2.5 Sq.mm with 1 runs of 1.5 Sq.mm copper wire FRLS for earth continuity in 2mmsqmm thick PVC conduit with all required accessories, complete for the finished item of work.	8	Nos.		
1.8)	Supply and fixing of 16A DPMCB on a suitable metal box concealed in wall with supply and laying of 3 Core 4.0 Sq mm Copper wire as required for Spilt Air conditioners.	6	NO		
1.9)	RUN OF MAINS:				
	Supply and wiring with 650V grade PVC insulated Copper Conductor multistrand wires in heavy gauge 25/32mm dia MS conduit concealed in wall/in suitable width casing and capping of approved quality along with required accessories etc. Laid on ceiling thro ugh partitions.				

a)	2 runs of 4 Sq.mm with 1 runs of 2.5 Sq.mm including supply and laying of suitable dia PVC conduit with all accessories from UPS Upto Sign Board.	22	MTS		
b)	4 runs of 6 Sq.mm with 2 runs of 4 Sq.mm including supply and laying of suitable dia MS conduit with all accessories (LDB& PDB)	18	MTS		
c)	Incoming Cable from CT Meter : Supply and installation of Aluminium Armoured, 50sqmm x 3½core surface cable 1100V grade IS 1554 either in ground, treach, Surface with all required accessories including labour complete.	32	MTS		
d)	Supply and End termination of 3½ x 50 Sqmm Aluminium Armored Cables with required Gland, Copper Lugs and all materials etc., complete.	2	SET		
e)	Incoming Cable from CT Meter : Supply and installation of Aluminium Armoured, 35sqmm x 3½core surface cable 1100V grade IS 1554 either in ground, treach, Surface with all required accessories including labour complete.	54	MTS		
f)	Supply and End termination of 3½ x 35 Sqmm Aluminium Armored Cables with required Gland, Copper Lugs and all materials etc., complete.	2	SET		
1.10)	MCB Distribution Boards				
	Supply and installation of following size MCB.				
	Distribution Boards (Double door IP 42) with MCBs. The MCBs/MCB Isolators shall conform to IS 8828.				
a)	Main DB: Supply and fixing of 8 way Vertical TPN DB with (1) 125A, 4P, MCCB-1 no (input from PDB), (2) 63A,4P, 100mA, RCCB-1 no (Input), (3) 6-32A, SP, MCB- 7 NOS (Spilt Acs), (4) 63A, 4P, MCB- 1No to Lighting DB, (5) 63 Amps TP MCB - 1 No Spare	1	NO		
b)	Lighting DB's: Supply, installation of 6way 7 segment DB's for DX ³ MCB, Isolator, RCCB and RCBO: With provision for FP MCB/Isolator/RCCB/RCBO as incomer and SP MCB's as (1) 63 A 4 Pole MCB- 1no (Input From Main DB), (2) 40A 2P 30mA RCCB- 3no (3) 6-10A SP MCB-14nos for raw power sockets and light point circuits (4) 16A SP MCB-2 nos of water cooler, Pantry power point	1	NO		

c)	4 way TPN MCB DB - Double Door - (Horizontal type) with 63A, TPN MCB as incomer and out going at Main Entrance beside	1	NO		
2.00	TELEPHONE WIRING				
a)	Supply and fixing of RJ 11 Telephone point socket with 2 Pair Telephone Cable From Each Table to EPABX , this include suitable Surface/conceiled box and required all materials this Includes Supply and fixing of Suitable PVC Conduites and Cable Numbers to provided, item including Wiring of Telephone Points Wiring with 5 Pair Copper cable and suitable conduites, required all materials etc.	7	SETS		
c)	Supply and fixing of 30Pair Termination EPBX Box with Connectors	1	NO		
d)	Main Lines Upto EPBX Line 10 Pair Finolex .5mm Copper Cable With Conduites etc	15	MTS		
3.00	LAN WIRING:				
a	Providing and fixing of Lan points Double Line Laying of 4Pair, UTP cat 6 Systimax 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	7	NOS		
b	Supply of 7 feet Patch Cords.	14	NOS		
c	Supply of 3 feet Patch Cords.	14	NOS		
d	Supply and Fixing of CAT-6 , 24 Port Jack Panel,	1	NO		
e	Supply and fixing of 9U Rack with all accessories (Self, Cable Manager, Power Manager)	1	NO		
f	Supply and fixing of d-Link 10/100A mbps port switch	1	NO		
4	SUPPLY AND FIXING & CONNECTION OF LED LIGHT FITTING /FANS:				
a)	Supply & Fixing of Havells Make 18W four feet LED Light (LHEXBQP7IN1W018) or equivalent with all required accessories, including the cost and conveyance and all necessary taxes, GST Tax etc., for required labour, material and necessary tools and accessories to execute the work complete for finished item of work.	13	NOS		
b)	Supply and Fixing of Havells Make LED Venus Neo 2x2 34W Panel Light (LHEWBPP7PK1W034) or equivalent with all required accessories, including the cost and conveyance, required labour charges, material and necessary tools and accessories to execute the work complete for finished item of work	14	NOS		

c)	Supply and Fixing of Havells 15W LED Down Light (LHEWEKP7PL1W015) or equivalent with all required accessories, including the cost and conveyance and all necessary taxes, GST Tax etc., for required labour, material and necessary tools and accessories to execute the work complete for finished item of work.	14	NOS		
4.1)	Wall mounted fans (FULL METAL BODY WITH HOUSING) 450 mm dia. make As specified in tender document or approved by concerned office in charge. (Orient Torando Wall-II)	8	NOS		
4.2)	Supply and fixing of 48" double ball bearing Ceiling fan for High Speed	3	NOS		
4.3)	Supply & Fixing of 12" (300mm) Light duty exhaust fan with wire guard etc complete of makes Crompton / Bajaj Bahar WG / Havells Ventil Air-DB / Orient hill air.	3	NOS		
5	UPS WIRING				
5.1)	Supply and fixing of 3 nos. of flush type 6A, 5 pin combined switch socket outlets in the modular type plastic box including 1 no of 16A switches in a separate box above table and front plates including interconnections, item including 3 core x 2.5sqmm multistrand copper conductor FRLS wires with suitable size heavy guage PVC Conduit concealed in wall/flooring (including cutting and filling) or suitable width casing and capping of approved quality alongwith required accessories and interconnections.	12	NOS		
5.2)	Supply and fixing of 1no. of flush type 16A, 5 pin sockets with 1 No 16A Switch in the modular type plastic box including Interconnections With 3x2.5Sqmm Wire for Printer point at Cash machines.	2	NO		
5.3)	Run of mains Supply and wiring with 650V grade PVC insulated Copper Conductor multistrand wires of following sizes in suitable size heavy gauge MS conduits concealed in will/flooring and with suitable width casing and capping of approved quality alongwith required accessories.				
a)	2runs of 6sq.mm with 1run of 4 sq.mm for earth (UPS to UPS DB)	45	MTR		
5.4)	8 way SPN MCB DB - Double Door - (Horizontal type) with 32A, DP MCB as incomer and 6 nos.6-10A SPMCBs as out goings (UPSDB)	2	NO		

5.5)	Supply, installation, testing and commissioning of 40 A DP MCB with encloser for UPS Incoming.	4	NOS		
6.00	Inverter Wiring for the BRANCH	1	Job work		
	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.				
7)	EARTHING				
a	Providing standard Copper Plate Earth station, with 600x600x3.15mm thick copper plate including construction of brick pedestal, providing meshed funnel, CI cover and other Civil Engineering Works, spreading a homogeneous mixture of salt charcoal around the pipe etc, for sophishicated Earthing.	1	SET		
b	Providing G.I earth station, with 40mm dia, 2500mm long galvanised iron pipe including construction of brick pedestal, providing meshed funnel CI cover and other Civil Engineering Works, spreading a homogeneous mixture of salt charcoal around the pipe etc, for Earthing.	1	SET		
c	Supply and laying of following size copper earth wire/strips including excavation and refilling of earth when laid in ground and with all fixing accessories when laid inside the building including all necessary interconnections with earth station.				
	i) 8 SWG Copper wire in PVC Conduit	22	MTR		
	ii) 8 SWG GI wire	22	MTR		
	TOTAL			Rs.	
B)	A.T.M ELECTRICAL WORKS				
1	Supply Fixing & connections of 16 Amps power pointing socket with switch control for UPS points. Modular switches Make of Legrand or Crabtree	2	NOS		
2	Supply and laying 3 runs of 3/20 wire for UPS circuit points using Finolex make FRLS	22	MTS		
3	Supply and fixing of 16A DPMCB on a suitable metal box concealed in wall with supply and laying of 3 Core 4.0 Sq mm Copper armoured cable as required for Spilt Air conditioners.	2	NOS		

4	Supply and fixing of 12A SPDB with 40AMPS FP Isolator and 8Nos. Of Switches (For ATM Mains) MDS Make	1	SET		
5	Supply and fixing of 6/8 way SPDB with 40AMPS DP Isolator and 6Nos. Of Switches For Ups outgoing: Make Legrand or Crabtree	1	SET		
6	Supply and laying of light wiring using 1.5 and 2.5 Sq mm multistand cables for Ups power lights and raw power point lights .	3	NOS		
7	Providing standard Copper Plate Earth station, with 600x600x3.15mm thick copper plate including construction of brick pedestal, providing meshed funnel, CI cover and other Civil Engineering Works, spreading a homogeneous mixture of salt charcoal around the pipe etc, for sophishicated Earthing.	1	SET		
8	Supply and laying of CU 8 gauge from earth pit to Ups.	18	MTS		
9	Supply & Fixing of Havells Make 18W four feet LED Light (LHEXBQP7IN1W018) or equivalent with all required accessories, including the cost and conveyance and all necessary taxes, GST Tax etc., for required labour, material and necessary tools and accessories to execute the work complete for finished item of work.	1	NOS		
10	Supply and Fixing of Havells Make LED Venus Neo 2x2 34W Panel Light (LHEWBPP7PK1W034) or equivalent with all required accessories, including the cost and conveyance and all necessary taxes, GST Tax etc., for required labour, material and necessary tools and accessories to execute the work complete for finished item of work.	1	NOS		
11	Supply and Fixing of Havells 15W LED Down Light (LHEWEKP7PL1W015) or equivalent with all required accessories, including the cost and conveyance and all necessary taxes, GST Tax etc., for required labour, material and necessary tools and accessories to execute the work complete for finished item of work.	1	NOS		
12	Supply and laying of 1" PVC Conduit pipe.	8	MTS		
13	Supply and laying of 1.5" PVC Casing (Modi Make).	8	MTS		
14	Supply and fixing of 40 Amps DP Isolator for UPS input and output.	2	NOS		

15	6Sqmm x 4 Core copper flexible wire + 4Sqmm Copper Flexible wire.	8	MTS		
16	Lane Cabling CAT 6 pair complete with fitting including 1" PVC pipe sudhakar with base saddles, gattis and screws.	62	MTS		
17	Supply and fixing of lan outlet (RJ.45) with GI box of AT NT make with Front plate.	2	NOS		
	TOTAL ELECTRICAL WORK ATM			Rs.	
	TOTAL OF BRANCH AND ATM ELECTRICAL WORKS			Rs.	



