

**ELECTRICAL WORK ESTIMATES FOR CANARA BANK AT GOKIVADA BRANCH & ATM**

S.NO	DESCRIPTION	UNIT	QTY	Rate	Amount
<b>INTERNAL ELECTRICAL WORKS-BRANCH</b>					
<b>E - 1</b>	<b>Lights Points(Including Circuit Wiring 2x2.5+1.5 Sqmm)</b>				
	Point Wiring for Light/ Fan/ Exhaust fan with 2runs of 650V grade 1.5 Sq.mm FRLS PVC & 1 run of 1.5 Sq.mm PVC insulated Copper wires , run in 25 mm dia heavy gauge PVC conduits concealed in wall / ceiling conforming to IS including all accessories such as junction boxes, conduit bends elbows and ceiling rose, anodised GI Switch box with modular switch and the box covered with front plate.( Point Wiring Include Circuit Wiring From Main Db to SWitch Board with 2x2.5 +1.5 Sqmm Copper flexible wire etc)				
<b>a</b>	One Light point controlled by one 6A switch.	Nos	20.00		
<b>b</b>	Two Lights point controlled by one 6A switch.	Nos	15.00		
<b>c</b>	Exhaust fan point controlled by one switch.	Nos	4.00		
<b>d</b>	Ups light point (from ups room to strong room ,cash manager and hall)	Nos	10.00		
<b>e</b>	Ceiling fan point controlled by one switch & Electronic Step type Regulator and Concealed MS fan hook box.	Nos	3.00		
<b>f</b>	Supply and fixing of 6A, 3Pin Socket outlet switches of 6A rating boards for Wall Mounting Fans and (Dependant and Independent)				
<b>i</b>	Dependant fans	Nos	4.00		
<b>ii</b>	Independent Fans	Nos	4.00		
<b>E - 2</b>	Supply and Wiring with the following size 650V grade FR PVC insulated Copper conductor wires in suitable <b>PVC conduit</b> including end terminations with suitable lugs.				
<b>a</b>	Supply and wiring of UPS Points wiring from UPS Room DB to Individual Work Stations With required all Connections and Suitable PVC Conduites. 2runs of 2.5Sq.mm PVC wires with 1run of 1.5 Sq.mm PVC Conduite for UPS out going Wirings	Rmt	120.00		
<b>b</b>	2 runs of 6 Sq.mm PVC wires with 1 run of 4 Sq.mm PVC insulated Copper earth wire in PVC in conduit. For A/C Sockets	Rmt	70.00		
<b>c</b>	2runs of 4.0 Sq.mm PVC wires with 1run of 1.5 Sq.mm PVC wire for GSB from 16A DP MCB on the main board	LS	1.00		
<b>E - 3</b>	<b>Light / Fan Fixtures</b>				
	Supplying, installation with hanging support, testing and commissioning of following light fixtures with electronic Ballasts, Tubes, lamps, all fixing materials including connecting wires etc. all complete as per the directions of Engineer-in-charge (All LED Light Fixtures should be covered with minimum 3 Years onsite replacement warranty).on gypsum ceiling no additional rate will be provided for frame or any hardware.				
<b>a</b>	Supplying, fixing, testing and commissioning of FULL GLOW 2 X 2 LED 36 W slim Smart Panel of make As specified in tender document or approved by Bank/Architect.	Nos	21.00		
<b>b</b>	Supplying, fixing, testing and commissioning of 15 W LED commercial type down lighter of make As specified in tender document or approved by Bank/Architect.	Nos	17.00		
<b>c</b>	Supplying, fixing, testing and commissioning of 1X18/40 watts 4ft. Length T5 Batten LED light fixture Wall/ Ceiling mounted (Philips ,havells)	Nos	12.00		
<b>d</b>	Supply, installation, testing, and commissioning of 15W energy-efficient LED sensor-based light fittings, ceiling-mounted type, complete with built-in motion (PIR/microwave) and ambient light sensors for automatic operation. The fixture shall be made of powder-coated aluminum or polycarbonate housing with a high-quality diffuser for glare-free illumination. The sensor should enable auto ON/OFF based on occupancy and ambient lux levels to ensure energy savings. Luminaires shall operate on 230V AC, 50Hz power supply, and include all accessories such as fixing clamps, mounting hardware, and internal wiring connections as required.	Nos	2.00		
<b>E - 4</b>	<b>Ceiling Fans</b>				
	Supply & Fixing of 1200 mm sweep Crompton Make High Speed Ceiling fan with standard down rod, all accessories Electrical connections. Including fixing materials required.	Nos	3.00		
<b>E -5</b>	<b>Wall Mounted Fans</b>				
	Supply & Fixing of 400 mm sweep Wall mounted fan with 3 pin Plug on the lead wire of each fan all accessories Electrical connections. Including fixing materials required.	Nos	8.00		
<b>E - 6</b>	<b>Exhaust Fans</b>				
	Supply,fixing and commissoning of Fresh air exhaust fan of Heavy duty size (12"), Metallic body plastic blades, wire mesh, etc. including cost and conveyance of all materials, taxes and all labor charges etc., complete for eraction.Make:Crompton/Havells/bajaj.	Nos	3.00		

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<b>1</b>	<b>SUPPLY FABRICATION AND INSTALLATION OF MAIN PANEL BOARD</b>				
<b>a</b>	Supply installation testing and commissioning of wall/floor mounting type, dust and vermin proof main distribution board panel fabricated of 18swg (powder coated) comprising of busbar (RYB + N) copper 150 amp each, Earth bus bar 25x 5 mm GI strip-2Nos (At the bottom), Digital Panel meter - 3phase VAF + PF Meter (l&T/Legrand), R,Y,B Phase indicating Lamps including DANGER sign and necessary precautions <b>Incoming:</b> 1No 125A 4P MCCB, 25kA. <b>Outgoings:</b> 1No 63A 4P RCCB (AC DB) 1No 63A 4P MCB, 10kA (AC DB) 1No 63A 4P RCCB (L&P DB) 1No 63A 4P MCB, 10kA (L&P DB) 2No 16A SP MCB (GSB for branch & ATM) 1No 16A SP MCB (Outside Lighting) 1No 63A DP MCB (UPS)	Nos	1.00		
<b>b</b>	Supply installation testing and commissioning of 125A Kit kats fuse unit 3 nos in wooden patra complete with 100Amp.Neutral link complete in all respect as required.	Nos	1.00		
<b>c</b>	Supply installation testing and commissioning of <b>12 way SPN DB</b> (Double door) with 2 No's 63 Amps 4P isolator, fixed/ recessed in the wall at entrance of branch premises with all other terminations required etc. (For <b>Master Control of AC DB &amp; LDB</b> at Branch Entrance)	Nos	1.00		
<b>d</b>	Supply installation testing and commissioning of 6 way TPN PPI DB ( <b>for Lighting &amp; Raw Power DB</b> ) <b>Incomer:</b> 63A 4P MCB C-Curve <b>Outgoings:</b> 3 x (6 No.s, 10-16A, SP, MCBs C-Curve)	Nos	1.00		
<b>e</b>	Supply installation testing and commissioning of 4 way TPN PPI DB ( <b>for AC DB</b> ) <b>Incomer:</b> 63A 4P MCB C-Curve <b>Outgoing:</b> 3 x (4 No.s, 10-16A, SP, MCBs C-Curve)	Nos	1.00		
<b>e</b>	Supply, installation, testing and commissioning of <b>12way SPN DB</b> (Double door) with 63A DP MCB as incomer and 1No 32A DP MCB, 8Nos. 10A/16A SPMCBs as outgoings.(UPS DB) <b>LEGRAND / HAVELS for BRANCH</b>	Nos.	1.00		
<b>f</b>	Supply, installation, testing and commissioning of <b>8way SPN DB</b> (Double door) with 32A DP MCB as incomer and 6Nos. 6A/10A/16A SPMCBs as outgoings.(UPS DB) <b>LEGRAND / HAVELS for ATM</b>	Nos.	1.00		
<b>g</b>	Supply and fixing of 63A, DP MCB-1No. with encloser for UPS Incoming	Nos	2.00		
<b>E - 7</b>	<b>Raw power Wiring and Sockets:</b> Supply and wiring of Raw Power Points from L&P DB to Individual Work Stations With required all Connections with 2runs of 2.5Sq.mm PVC wires with 1run of 1.5 Sq.mm including PVC Conduits also Supply and fixing of <b>1Nos 6A sockets</b> with <b>1 Nos 6A switch</b> of modular type with 'front plate and anodised GI box complete as required for branch and ATM	Nos	12.00		
<b>E - 8</b>	Supply and fixing of 1no 16A 3pin sockets with 16A switch of modular type with 'front plate and anodised GI box complete as required. (Raw Power )	Nos	5.00		
<b>E - 9</b>	<b>UPS Wiring and Switch/Sockets:</b> Supply and wiring of UPS Points from UPS Room DB to Individual Work Stations, Manager, cashier desks, CCTV, LAN etc., With required all Connections with 2runs of 2.5Sq.mm PVC wires with 1run of 1.5 Sq.mm including PVC Conduite for UPS out going Wirings and also Supply and fixing of <b>3 Nos 6A sockets</b> with <b>1Nos 16A switch</b> of modular type with 'front plate and anodised GI box complete as required for UPS Sockets.	Nos	12.00		
<b>E - 10</b>	Supply installation testing and commissioning of 2x4Sqmm+2.5Sqmm Copper Flexible Wire From AC DB to AC Units Legrand Make with 25A Metal Clad Socket with 25A DP MCB set( with Metal Clad Socket+Wiring From Db to AC Box to Stabilizer to AC Units)	No	6.00		
<b>E - 11</b>	Supply and erecting of approved make telephone RJ 11Jack for telephone with 2 pair .5mm Thick Telephone cable including pvc conduite with required all materials (RJ-11 Jack+ 2 pair Cable)	Nos	4.00		
<b>E - 12</b>	Supply and Laying of 10 pair .5mm Thick Telephone cable including pvc conduite with required all materials From Outside to Rack locations	Nos	4.00		
<b>E - 13</b>	Supply, fixing And Installation of 30pair Crone Connector box of Metal body with lock and key system 30 Pair Crone connectors all connections is required As per the site condition.	Nos	1.00		

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<b>E -14</b>	<b>Earthing</b>				
<b>a</b>	Supply, Installation, Testing and Commissioning of Maintenance Free Earthing system made up of copperbonded rod of 10 feet length,23 mm dia. (Minimum copper bonding shall be 0.25mm) along with Rod- toConductor connectors, Earth enhancement material, Pit Cover and other accessories as required and as per specification and other applicable codes (include chamber for earthing, Earthing certificate to be submitted along with the bill and photographs at the time of laying).	No	1.00		
<b>b</b>	Supply, Installation, Testing and Commissioning of Maintenance Free Earthing system made up of copper bonded rod of 10 feet length, 17.2 mm dia. (Minimum copper bonding shall be 0.25 mm) along with Rod-to- Conductor connectors, Earth enhancement material, Pit Cover and other accessories as required and as per specification and other applicable codes (include chamber for earthing, Earthing certificate to be submitted along with the bill and photographs at the time of laying).	No	1.00		
<b>c</b>	Supply and laying of following size strips including including all necessary inter connections with earth station and equipments.				
	i) 8 SWG Copper wire	Rmt	80.00		
	<b>TOTAL AMOUNT FOR BRANCH ELECTRICAL WORKS Rs :</b>				
<b>N</b>	<b>COMPUTER NETWORKING FOR BRANCH &amp; ATM</b>				
<b>N-1</b>	Wiring for computer networking from Jack Panel in data rack to computer workstation with Cat-6 computer cable in PVC conduits of size 20/ 25 mm including providing ferrules at both ends and termination at both ends including providing & fixing frame for Cat-6 with shutter.	Mts	180.00		
	Providing and fixing of RJ 45 outlet, Dual faceplate and mounting box complete of modular type to be of Dual socket plate which counts as one point in Dual plate, This work includes supply and laying of CAT-6 cable in PVC conduits throughout the length, from the I/O hub to the point.	Nos.	12.00		
<b>N-2</b>	Supplying and fixing 9 U (Rack with glass door, opening in the front power panel 1 (horizontal), cable manager 1 lock & key).	Nos.	1.00		
<b>N-3</b>	Supply, Installation, Testing & Commissioning of 24 port Jack Panel.	Nos.	1.00		
<b>N-4</b>	Supplying and fixing Patch Cord-2 Meter- (DBPSMounting Cord)	Nos.	12.00		
<b>N-5</b>	Supplying and fixing Patch Cord-1 Meter-	Nos.	12.00		
	<b>TOTAL AMOUNT FOR BRANCH NETWORKING WORKS Rs :</b>				
	<b>TOTAL AMOUNT OF ELECTRICAL AND NETWORKING FOR BRANCH</b>				
	<b>DISCOUNT</b>				
	<b>GRAND TOTAL AFTER DISCOUNT</b>				