

## ELECTRICAL WORK BOQ FOR CANARA BANK REGIONAL OFFICE NIZAMBAD - 1st FLOOR

S.NO	DESCRIPTION	UNIT	QTY	Rate (Rs)	Amount(Rs)
<b>INTERNAL ELECTRICAL WORKS</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 fluxible wire etc)				
<b>a</b>	One Light point controlled by one 6A switch.	Nos	58.00		
<b>b</b>	Two Lights point controlled by one 6A switch.	Nos	70.00		
<b>c</b>	Exhaust fan point controlled by one switch.	Nos	6.00		
<b>d</b>	Ups light point (from ups room to AGM and hall)	Nos	30.00		
<b>e</b>	Ceiling fan point controlled by one switch & Electronic Step type Regulator and Concealed MS fan hook box.	Nos	4.00		
<b>f</b>	Supply and fixing of 6A, 3Pin Socket outlet switches of 6A rating boards for Wall Mounting Fans and (Dependant				
<b>i</b>	Dependant fans	Nos	15.00		
<b>ii</b>	Independent Fans	Nos	5.00		
<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.				
	a)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	400.00		
	b) 2runs of 4Sq.mm PVC wires with 1run of 2.5 Sq.mm PVC Conduite	Rmt			
	c) 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	350.00		
	d) 4 runs of 4 Sq.mm PVC wires with 2 runs of 4Sq.mm PVC insulated Copper earth wire in PVC conduit.	Rmt	250.00		
	e) 2runs of 4.0 Sq.mm PVC wires with 1run of 1.5 Sq.mm PVC wire for Name board from the 10 A DP MCB on the main board	LS	3.00		
<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>1.0</b>	Ceiling FIXTURE LED Spot lights	Nos	8.00		
<b>2.0</b>	FULL GLOW 2 X 2 LED 36 W slim Smart Panel of make As specified in tender document or approved by Bank/Architect.				
		Nos	41.00		

3.0	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	68.00		
4.0	Supplying, fixing, testing and commissioning of 1X18/40 watts T5 led light fixture Wall/Ceiling mounted (Philips ,havells)				
		Nos	32.00		
5.0	Supplying, fixing, testing and commissioning of Led rope light				
		Rmt	100.00		
<b>E - 4 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	5.00		
<b>E -5 Wall Mounted Fans</b>					
	Supply & Fixing of 400 mm sweep Wall mounted fan with metal body with the specifications given by the bank /Architect 3 pin Plug on the lead wire of each fan all accessories Electrical connections. Including fixing materials required.				
		Nos	20.00		
<b>E - 6 Exhaust Fans</b>					
	Supply,fixing and commisssioning of Fresh air exhaust fan of light duty 300mm size (9"), Metallic body plastic blades, wire mesh, etc. including cost and conveyance of all materials, taxes and all labor charges etc., complete for erection.Make:Crompton/Havells/bajaj.				
		Nos	6.00		
<b>C. <u>SUPPLY, INSTALLATION OF MAIN DISTRIBUTION &amp; FINAL DISTRIBUTION BOARD</u></b>					
1.0	Design, manufacturing, supply, loading, unloading, shifting to location, inspection, installation, testing and commissioning of Main distribution panels/ sub-distribution panels fabricated out of <i>CRCA sheet steel not less than 14 gauge for load bearing members and 16 gauge for non load bearing member in cubicle formation, compartmentalized, form 3B type construction</i> , free standing floor mounted, dust and vermin proof (indoor application; IP-42) with reinforcement of suitable size angle iron, channel, 'T' sections and/ or flats wherever necessary. 3 mm thick cable gland plates shall be provided on top as well as at the bottom of the panels. Panels shall be treated with all anticorrosive process before powder coating as per specifications and final approved shade. The operating handle of the highest unit shall be at a height of 1.8 metre maximum and 300 mm minimum. Overall height of the panel shall not exceed 2.3 metre. 2 No. earthing terminals shall be provided for all distribution panels. Panels shall be suitable for 415V, 3 phase, 4 wire, 50 HZ supply system. Lifting hooks shall also be provided in case of large panels. Approval shall be taken for each panel in the form of shop drawings before fabrication.				
1.1	MAIN DISTRIBUTION BOARD:				
A.	INCOMERS - 2NO (1 No. for Mains & 1 No. for DG Power)				
a.	2 No. 200A 4P MCCB 25kA with adjustable thermal & Magnetic trip unit				
b.	2 Set- 0-125 Amps Meter (96 x 96mm) with 3 No. CT's, selector switch-AE make				
c.	2 Set- 0-500 V A.C. 50 Hz. Volt meter (96 x 96mm) with selector switch-AE make				
d.	2 Sets- ON - OFF Indication lights				
e.	2 Sets- R-Y-B (phase indication lights				
f.	1 No. 150Amps 4 pole Change over switch (On-Load type).				
B.	BUS BARS				
a.	1 Set - 300, Aluminium Bus Bars With change over of 160 Amps Mandotry				
C.	OUTGOINGS -				

a.	1 No. 63 Amps FP MCB's -10 kA (Raw Power DB)				
b.	1 No. 63 Amps FP MCB's -10 kA (Lighting DB)				
c.	1 No. 63 Amps FP MCB's -10 kA (UPS Incoming)				
d.	10 No. 32 Amps FP MCB's -10 kA (AC Outdoor Units)				
e.	10 No. 16/20/32 Amps DP MCB's (AC Outdoor Units)				
f.	1 No. 63 Amps FP MCB's -10 kA (spare)	Nos	1.00		
<b>b</b>	b)Supply, installation, testing and commissioning of (Double door) with 4Way TPN MCB DB with 63A 4Pole MCB as incomer and 12 nos10A SPMCBs as outgoing. (for LDB) LEGRAND / HAVELS	Nos	4.00		
<b>c</b>	c)Supply, installation, testing and commissioning of 8way SPN MCB DB (Double door) with 32A DP MCB as incomer and 6nos. 6A/10A/16A SPMCBs as outgoing.(UPS DB) LEGRAND / HAVELS	Nos.	4.00		
<b>d</b>	d)Supply and fixing of 32 A, DP MCB-1No. with encloser for UPS Incoming.	Nos	4.00		
	e)Supply and fixing of 63A 4 Pole Change over Switch for LDB/UPS Connections 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 Main DB to Individual Work Stations With required all Connections with 2runs of 2.5Sq.mm PVC wires with 1run of 1.5 Sq.mm PVC Conduite for UPS out going Wirings and also SAupply and fixing of 1 <b>Nos 6A</b> sockets with 1 <b>Nos 6A switch</b> of modular type with 'front plate and anodised GI box complete 'as required'.for UPS Sockets	Nos	75.00		
<b>E -8</b>	Supply and fixing of 1no 16A 3pin 'socketswith 16A switch of modular type with 'front plate and anodised GI box complete 'as required'.(Raw Power )	Nos	10.00		
<b>E -8-a</b>	Supply and fixing of pop up Box is Hydraulic ,open with press button. Connection 2 power,2 Lan,Hdmi,Vga,Audio,Usb with 6 inch female connection cables.	Nos	6.00		
<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 With required all Connections with 2runs of 2.5Sq.mm PVC wires with 1run of 1.5 Sq.mm PVC Conduite for UPS out going Wirings and also SAupply and fixing of 3 <b>Nos 6A</b> sockets with 2 <b>Nos 6A switch</b> of modular type with 'front plate and anodised GI box complete 'as required'.for UPS Sockets. (UPS -1 conection table / counter no.1,3,5 & 7 and UPS -2 table no. 2,4,6 & 8 etc, and network rack & manager 2 UPS points from UPS-1 & UPS-2. <b>if require seperate 3 module controlling to be given on top of the table with switch ,modular plate,metal box ,wiring and labour as per the requirment of bank no extra will be paid for switch controlling</b>	Nos	50.00		
<b>E -10</b>	Supply installation testing and commissioning of AC Units With 2x4Sqmm+2.5Sqmm Copper Fluxible Wire From Main DB to AC Units including Legrand Make 20A Metal Clad Socket with 25/32A SP MCB set( Like Metal Clad Socket+Wiring From Db to AC Box to Stabilizer to AC Units) for cassette and split which ever at site available as per the ac requirment.	No	12.00		
<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	50.00		
<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	5.00		
<b>E - 13</b>	Supply and fixing of 20pair Crone Connector box with 30 Poir connectors and required all connections.	Nos	3.00		

E-14	Supply ,and fixing of Cutt off switch to be provided with db/encloser at entrance with wiring from main board to encloser to be given as per the requirement of the site . Rate includes with mcb /mccb Db /encloser ,with laying of suitable with all connections and piping of 1.5mm thk with labour transportation and other expenses as per the site conditions .	Nos	1.00		
<b>E -14 Earthing</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 Pit Cover ,manhole with brick ,cement construction 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	2.00		
	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 ,manhole with brick ,cement construction 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	2.00		
	c) Supply and laying of following size strips including including all necessary inter connections with earth station and equipments.				
	i)providing and laying of 8 SWG Copper wire	Rmt	200.00		
<b>TOTAL AMOUNT FOR BRANCH ELECTRICAL WORKS Rs :</b>					
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<b>L LAN WORKS</b>					
1.1	Supply and fixing the following sizes of PVC medium grade ISI marked conduits ( <b>IS : 9537 Part-III</b> ) complete with accessories such as bends, junction boxes, pull boxes etc., in recess or on surface including cutting chases in the walls/floors and making good the same complete as required.				
	25 mm dia 2mm wall thickness	mts	218.00		
1.2	Providing and laying Cat 6 cable for data in existing conduits data (Make: MDS) and providing & terminating with RJ-45 (Krone / DELL make) with face plates in suitable modular / MS box from server / enclosure room to individual work stations.				
a	providing and fixing of RJ-45 for data points dual plate and socket point as one	NO	70.00		
b	providing and fixing of Mounting Cord 7 ft Make D- LINK	NO	150.00		
c	providing and fixing of Mounting Cord 3 ft Make D- LINK	NO	150.00		
d	providing and fixing of Switch 10/100 mpbs 16 port	NO	6.00		
e	providing and fixing of jack panel 16 port	NO	6.00		
f	providing and fixing of rack 12u with all fitting and fixtures	NO	3.00		
<b>TOTAL RUPEES</b>					
<b>Music or Voice</b>					
<b>SR NO.</b>	<b>Material Code</b>				
A1	OP_MUSICSYSTEM010 Ceiling Recess Mounted Speaker Ceiling Speaker 10W in white colour finish & sculpted grille.	NOS	16.00		
A2	OP_MUSICSYSTEM015 250W Amplifier 250W Amplifier. 1 outputs of 250W @ 4/8 Ohms (1kHz Power, THD+N <0.5%). With USB option.	NOS	2.00		
A3	OP_MUSICSYSTEM004 Rca to phono ,stereo to rca connectors (Make-Custom)	NOS	2.00		
A4	OT_INSTALLATION001 Fixing,installation,testing & commisioning charges for PA System .	NOS	2.00		

A5	Supply and Fixing of Confrence /Seminar mic Dimensions Width: 185 mm, Length: 180 mm, Height: 67 mm. Frequency response 100 Hz to 14.5 kHz.	NOS	10.00		
<b>Total amount for Voice</b>					
<b>TOTAL AMOUNT ELECTRICAL,LAN AND VOICE</b>					
<b>DISCOUNT IF ANY</b>					-
<b>GRAND TOTAL</b>					