

**ELECTRICAL WORK OF CANARA BANK, EXTENSION OF CIRCLE OFFICE, JAIPUR**

<b>ANNEXURE 2(A): Electrical installation</b>					
<b>S.NO</b>	<b>ITEM</b>	<b>QTY.</b>	<b>UNIT</b>	<b>RATE</b>	<b>AMOUNT Excluding GST</b>
<b>A</b>	<b>Light, Power and UPS point.</b>				
A1	Wiring for the following light points with 2X 1.5sq.mm + 1X 1.00 sq.mm. PVC insulated stranded copper conductor wires in concealed PVC conduits in false ceiling / walls as directed including providing 6Amps SP MCB. PVC insulated stranded copper conductor wires in concealed PVC conduits in false ceiling / walls as directed				
	a. One light point controlled by one 6 Amp SP MCB	10	Nos.		
	b. Two light point controlled by one 6 Amp SP MCB	10	Nos.		
	c. Three light point controlled by one 6 Amp SP MCB	10	Nos.		
	d. Four light point controlled by one 6 Amp SP MCB	10	Nos.		
	d. Five light point controlled by one 6 Amp SP MCB	5	Nos.		
A2	Wiring for wall fan points with 2X 1.5sq.mm + 1X 1.00 sq.mm. PVC insulated stranded copper conductor wires in concealed PVC conduits in false ceiling / walls as directed including providing 6A 5Pin socket near the wall fan 5 sided G.I. boxes for housing 6A switch and earthing complete as required.				
	a. One Fan point controlled by one 6 Amp SP MCB including 6Amp Switch & 6Amp Socket near fan.	10	Nos.		
	b. Two Fan point controlled by one 6 Amp SP MCB including 6Amp Switch & 6Amp Socket near fan.	10	Nos.		
	c. Three Fan point controlled by one 6 Amp SP MCB including 6Amp Switch & 6Amp Socket near fan.	10	Nos.		
A3	Wiring for 6 amps light plug outlets with 2X 1.5sq.mm + 1X 1.00 sq.mm. PVC insulated copper conductor wires in PVC conduits in false ceiling / wall / floor as directed including providing 6 amp modular 5 pin socket and 6 amps switch with cover plate, 5 sided G.I. boxes for housing switches, sockets and earthing complete as required.circuit wiring will be with 2x 2.5 sq. m + 1 x 1.5 sq.m.m. PVC insulated stranded copper conductor wires in concealed PVC conduits in false ceiling / walls as directed	20	Nos.		
A4	Wiring for 2X 2.5sq.mm + 1X 1.50 sq.mm. PVC insulated copper conductor wires in PVC conduits in false ceiling / wall / floor as directed including providing and fixing in position 6 amp 5 pin socket outlet (3Nos) and 1 No. 16amp switch with indicator in a seperate box above the table covered with white polycarbonate modular cover plate and earthing complete as required.				

	a. 1st UPS Plug Point controlled by one 6 Amp SP MCB.	30	Nos.		
	b. Looped UPS Plug point from 1st UPS point.	60	Nos.		
A5	Wiring for 16 amps power outlets points with 2X 4.0 sq.mm + 1X 2.50 sq.mm. PVC insulated stranded copper conductor wires in concealed / recessed PVC as directed including providing 16 amp modular switch and 16Amp 6 pin socket with cover plate, 5 sided G.I. outlet boxes for switches and socket and earthing the third pin with 2.5 sq.mm PVC stranded copper wire complete as required.				
	a. 1st Power Plug Point controlled by one 16 Amp SP MCB.	25	Nos.		
	b. Looped Power Plug point from 1st power point.	30	Nos.		
A6	Wiring for A.C. PLUG POINTS outlets points with 2X4 sq.mm+1x2.5 SQ.MM. PVC insulated stranded copper conductor wires in concealed / recessed PVC conduit pipe. Plug point includes of 20A modular socket, 20A DP MCB with MS box concealed in wall made of reputed make as per specification. (Only one AC will be connected to one circuit.)	12	Nos.		
A7	Wiring for GLOW SIGN POINTS outlets points with 2X2.5 sq.mm+1x1.00 SQ.MM. PVC insulated stranded copper conductor wires in concealed / recessed PVC as directed including of 20A SPN MCB with box & box shall be concealed in wall made of reputed make of MCB as per specification.	2	Nos.		
<b>B</b>	<b>Telephone/ Computer conduiting and wiring</b>				
	<b>TELEPHONE CABLING WORK</b>				
	i.SITC of RJ11 Telephone outlet socket & box and required length of 2 Pair 0.5mm dia copper conductor (ATC) unarmoured cable. Make: Finolex	45	Nos.		
	ii .SITC of 50 pair metal box with crown connector for telephone wire junction including 20meter 10 pair 0.5mm dia copper conductor (ATC) unarmoured cable. Make: Finolex	1	Nos.		
<b>C</b>	<b>DATA CABLING WORK</b>				
C1	SITC of RJ 45 Socket/ Connector with PVC box of AMP/ D-LINK make and required length of CAT 6 LAN cable (AT & T/D Link/ Siemens sheilded make) in PVC conduit and accessories as required.	75	Nos.		
C2	CAT-6 patch chord"2meter" Amp/ D-link	75	No.		
C3	CAT-6 patch chord"1 meter" Amp/ D-link	75	No.		

<b>D</b>	<b>Circuit and Sub Main Wiring</b>				
B1	Supply and laying of the following size of PVC insulated copper conductor wires of 650/1100 V grade in PVC conduits, complete as required.				
a	2x 6 sq. mm PVC insulated copper conductor Armoured Cable	50	Mtr.		
b	4x 6 sq. mm PVC insulated copper conductor Armoured Cable	50	Mtr.		
C	4x 10 sq. mm PVC insulated Aluminium conductor Armoured Cable	90	Mtr.		
<b>F</b>	<b><u>EARTHING:-</u></b> Maintenance free Gel Earthing with Pipe in pipe / Pipe in strip technology filled with anti corrosive conductive compound ( CPRI Tested ) below the ground in 150 - 200 mm dia. earth pit & surrounding filled with required mineral filling compound ( MFC should have hygroscopic property to retain the moisture for long time to create low resistance zone ) and C.C. finished chamber covered with hinged type with locking arrangement C.I. Cover, C.I. Frame of size 300mm x 300mm complete testing of earth resistance as required. of following sizes.				
	With Strip in Pipe Technology with 80 - 100 micron GI Coating				
	GI pipe 2000 mm long ,63 / 80mm, Inner strip 50 mm x 3 mm copper including 3 Meter Extra copper strip.	2	Nos.		
F1	Supplying, laying and terminating earth connection with 8 SWG Copper wire	20	Mtr.		
<b>G</b>	<b><u>DISTRIBUTION BOARDS</u></b>				
	P & F sheet metal distribution boards of approved make double door type and making necessary connections etc complete with all MCBs of C series 10 KA. (LEGRAND/ SCHNEIDER/ SIEMENS/C&S/HPL)				
	<b>All MCB`S must be 'C' series, 10 KA</b>				
G1	T P N 4 WAY DB :- (For Lighting)				
	Having Incomer : 40 Amp. 4-P MCB				
	OUT GOING : 6-10 Amp. SP MCB - 12 NOS	1.00	Nos.		
G2	T P N 4 WAY DB :- (For Power/ AC )				
	Having Incomer : 63 Amp. 4-P MCB				
	OUT GOING : 16-32 Amp. SP MCB - 12 NOS	1.00	Nos.		
G3	T P N 4 WAY VTPN DB :- (For A.C.)				
	INCOMER: 100 Amp. 4 P, Heavy Duty MCCB				
	OUT GOING : 16-32 Amp. SP MCB - 12 NOS	1.00	Nos.		
G4	S P N 12 WAY UPS OUTPUT DB				

	SP MCB 6 Amp = 10 Nos. DP MCB 63 Amp = 1 NOS.	2.00	Nos.		
G5	S P N 12 WAY UPS INPUT DB				
	FP MCB 40 Amp = 1 Nos. DP MCB 20 Amp = 3 NOS.	1.00	Nos.		
G6	SITC of 16A Socket with PVC box for Input/ Output supply connection of UPS supply.	6.00	Nos.		
H	<b><u>LIGHT FIXTURES &amp; FANS:</u></b> P & F light and accessories as per the following . Details and making connections , testing and installation . Complete in all respects OF APPROVED MAKE				
H1	2ft x 2ft recess mounted lighting luminaire Model PHILIPS RC- 370B LED 30S- 6500 G4/ L60 W60 PSU OD WH full glow/ Osram Model No. Ledvance 36W full glow.	42	Each		
H2	Supply and fixing of 15 W recessed LED down light PHILIPS make.	30	Each		
H3	Supply and fixing of 20 W LED tube light PHILIPS make	15	Each		
H4	Wall fans - Crompton WM 400 SDX 120	30	Each		
H5	Metal blade 1500RPM heavy duty exhaust fan Make Crompton	2	Each		
				<b>TOTAL</b>	