

CANARA BANK , CIRCLE OFFICE DELHI					
SOQ FOR RENOVATION OF ELECTRICAL WORK AT CANARA BANK , FIRST FLOOR MSME NEHRU PLACE BRANCH, NEW DELHI.					
S.No	Particulars	Quantity	Unit	Rate	Amount
I	Dismantalling and Demolation of existing branch all electrical point including ups, light , fan, power point etc. That includes all Wiring , exposed MS/ PVC pipe ,including making all the connections,including cutting chases and making good the surface wherever required.	1.00	Nos		
	<b>MAIN LT PANEL /DBs</b>				
II	ELECTRICAL PANEL				
	Design , manufacture, providing, storing & installing in position, effecting proper connection, testing and commissioning of Panel made of 16 SWG, CRCA sheet steel. It shall be dust and vermin proof. It shall have glands plate etc. as required , duly painted from inside as well outside. It shall have the following ;				
	<b>MAIN PANEL</b>				
	1 No. 100 AMP. TPN, MCCB 9 25 KA breaking capacity )				
	Bus bars 100Amp. 3 phase , 4 strips, 415 volts, 50 HZ copper bus bars with colour coded PVC heat shrinkable sleeves. <b>There should be 2 sets of BUS BAR in such a way that AC load should not be connected to Generator Power.</b>				
	100 Amp. Changeover Switch				
	Instruments Digital Multi function meter of standard make for displaying Input Voltage, Ampere, Power factor , KWH used with CTs.				
	<b>OUTGOING :</b>				
	3 Nos. 32 Amp. TP MCB ( For LDB , PDB, Branch UPS , Inverter and spare Feeder ) From Generator Powered Bus.				
	2 Nos. 63 Amp. TP MCB( For AC DB and spare Feeder ) from Non- Generator Powered Bus.				
	5 Nos. 32 Amp. DP MCB . 3 Nos. ( for Glow Sign board,, strong room and spare feeder ) from Generator Powered Bus.				
	The design of Panel should be got approved by the Architect before manufacturing. Also, the provision for 1/2 spare outgoing should be considered for future expansion. The job shall be completed to the satisfaction of the Bank.	1	nos.		
	<b>DISTRIBUTION BOARD</b>				
III	Supply and installation of 6 way, TP&N DB type Distribution Board (double door) flush mounted on wall, sheet metal fabricated, powder coated, having dust-proof and vermin proof, gasketed and hinged door with all internals such as DIN rails, neutral-link, interconnected wiring, complete with earthing legs, housing following switch gears ( Double door VERTICAL DB)				
	63A, TP, MCCB incoming = 1 Nos.				
	32 A TP MCB outgoing = 5 Nos.				
	Full Set as above	1.00	SET		

IV	Supply and installation of 4 way, TPN DB type Distribution Board(double door) flush mounted on wall, sheet metal fabricated, powder coated, having dust-proof and vermin 'proof, gasketed and hinged door with all internals such as DIN rails, neutral-link, interconnected wiring, complete with earthing legs, housing following switch gears ( Double door VERTICAL DB)				
	40Amp., TPN incomer = 1 Nos.				
	25Amp. SP MCB outgoing = 12 Nos.				
	Full Set as above	1.00	SET		
V	Supply and installation of 4 way, TPN DB type Distribution Board (double door) flush mounted on wall, sheet metal fabricated, powder coated, having dust-proof and vermin 'proof, gasketed and hinged door with all internals such as DIN rails, neutral-link, interconnected wiring, complete with earthing legs, housing following switch gears ( Double door VERTICAL DB)				
	40Amp., TP incomer = 1 Nos.				
	20Amp. SP MCB outgoing = 12 Nos.				
	Full Set as above	1.00	SET		
VI	Supply and installation of 4 way, SPN DB type Distribution Board(double door) 6M AMP TP MCB flush mounted on wall, sheet metal fabricated, powder coated, having dust-proof and vermin 'proof, gasketed and hinged door with all internals such as DIN rails, neutral-link, interconnected wiring, complete with earthing legs, housing following switch gears ( Double door VERTICAL DB)				
	63A, TPN MCB incomer = 1 Nos.				
	63 A TP MCB outgoing = 1 Nos.				
	Full Set as above	2.00	SET		
VII	Supply and installation of 12way, SPN DB type Distribution Board(double door )B flush mounted on wall, sheet metal fabricated, powder coated, having dust-proof and vermin 'proof, gasketed and hinged door with all internals such as DIN rails, neutral-link, interconnected wiring, complete with earthing legs, housing following switch gears ( Double door VERTICAL DB)				
	40A, DP MCB incomer = 1 Nos.				
	10/16 A SP MCB outgoing = 10 Nos.				
	Full Set as above	1.00	SET		
VIII	<b>CABELS / MAINS</b>				
1	S & I of 1100V grade armoured cable having sector / circular shaped aluminium / copper conductor PVC insulated cores, laid up, PVC tape wrapped inner sheathed, GI strip / wire armoured and overall extruded PVC sheathed confirming to IS: 1554, laid on wall or ceiling using GI clamps and spacers as per route shown at site and further as directed by Bank / Architect in the following sizes.				
1.1	4 X 35 Sq.mm Al Cable	15.00	Mts.		
2	S & I of end termination of above mentioned cables including compressed type brass glands, crimping type copper lugs, insulation tape etc. as 'required complete with earthing of glands in following sizes				
2.1	3 1/2C X 50/35 Sq.mm	4.00	Nos.		
2.2	4 x 16/10/6/4 Sq.mm	12.00	Nos.		

IX	WIRING / ( Light Point ,Light Socket / Power Circuit , Power point/ A.C.Point Wiring.)				
1	Wiring for light point with 2x1.00sqmm PVC insulated copper conductor wire of 650/1100 volts grade in concealed/exposed pvc pipe ,including by 5Amp. Moduler switch with G.I boxes, including making all the connections , including cutting chases and making good the surfaces wherever required.				
a	One point controlled by one switch.( 1 Light/ Fan by one switch )	60	pts.		
b	Two points controlled by one switch.( 2 light by one switch )	35	pts.		
2	Wiring for 5Amp light plug points with 2x1.50sqmm PVC insulated copper conductor wire of 650/1100 volts graded , with pvc insulated copper earth in concealed/exposed pvc pipe ,including 5 pin, 5Amp.socket with modular switch with GI boxes with earthing the third points , including cutting chases and making good the surfaces wherever required.				
a	Light Plug points in Counter/walls/partition	19	pts.		
b	Light Plug points for wall/Bracket fans.	14	pts.		
3	Wiring for 15Amp. power plug points with 2x2.50sqmm PVC insulated copper conductor wire of 650/1100 volts graded with pvc insulated copper earth wire in concealed/exposed pvc pipe ,including 6 pin, 15Amp.socket with modular switch with GI boxes with earthing the third points , including cutting chases and making good the surfaces wherever required.	7	pts.		
4	Wiring for light circuit with 2x1.50sqmm PVC insulated copper conductor wire of 650/1100 volts grade in concealed / exposed pvc pipe with pvc insulated copper earth wire incuding making all the connections, including cutting chases and making good the surface wherever required.	8	nos.		
5	Wiring for power circuit with 2x4.0sqmm PVC insulated copper conductor wire of 650/1100 volts grade in concealed / exposed pvc pipe with pvc insulated copper earth wire incuding making all the connections, including cutting chases and making good the surface wherever required.	7	nos.		
6a	Wiring for A.C. points with 4x6 sqmm PVC insulated copper conductor wire of 650/1100 volts graded with 1 X 2.5 mm pvc insulated copper earth wire in concealed/exposed pvc pipe , including concealed industrial metallic socket with 20 /32Amp. sp MCB house in GI sheet box with pvc insulated copper earth wire , including cutting chases and making good the surfaces wherever required.( Circuit shall not be paid extra.)	4	pts.		
b	Supply of all required materials and wiring of AC plug point with 2( 1x4 sqmm) PVC insulated copper wire run inside screw type PVC conduit pipe with ISI market laid on surface /recessed of wall/ceiling along with 1 (1x2.5sqmm) PVC insulated copper wire as earth continuity conductor complete in all respect including with use of 1.5 TR AC starter, concealed metal box with cover, wire 20/32 A SPN metal clad plug socket, metallic switch box for plug junction box etc. compete with making good the damages caused as required and as per direction of bank..( Circuit shall not be paid extra.)	2	pts.		

<b>X</b>	<b>U.P.S. WIRING</b>				
1	Wiring for UPS points with 2x1.50sqmm PVC insulated copper conductor wire of 650/1100 volts graded with required earth wire with concealed/exposed pvc pipe , including making all the connections,including cutting chases and making good the surfaces wherever required.( excluding the cost of computer socket board, maximum 2 points on each circuit shall not be paid extra.)	18	pts.		
2	Wiring for emergency light point through ups with 2x1.50sqmm PVC insulated copper conductor wire of 650/1100 volts graded with required earth wire with concealed/exposed pvc pipe , including making all the connections,including fixing assessores, modular switch and plates. cutting chases and making good the surfaces wherever required.	5	pts.		
3	Wiring with 2x10sqmm PVC insulated copper conductor wire of 650/1100 volts graded with required earth wire with concealed/exposed pvc pipe ,including making all the connections,including cutting chases and making good the surfaces wherever required.	35	mts.		
4	Wiring with 4 x10sqmm PVC insulated copper conductor wire of 650/1100 volts graded with required earth wire with concealed/exposed pvc pipe ,including making all the connections,including cutting chases and making good the surfaces wherever required.( From Panel to AC DB & Invertor )	30	mts.		
5	Wiring with 4 x 6 sqmm PVC insulated copper conductor wire of 650/1100 volts graded with required earth wire with concealed/exposed pvc pipe ,including making all the connections,including cutting chases and making good the surfaces wherever required.( For light DB and Power DB)	30	mts.		
6	Wiring with 2 x 6 sqmm PVC insulated copper conductor wire of 650/1100 volts graded with required earth wire with concealed/exposed pvc pipe ,including making all the connections,including cutting chases and making good the surfaces wherever required.( From UPS to UPS DB )	30	mts.		
7	Wiring with 2 x 4 sqmm PVC insulated copper conductor wire of 650/1100 volts graded with required earth wire with concealed/exposed pvc pipe ,including making all the connections,including cutting chases and making good the surfaces wherever required.( From Panel to Light DB )	30	mts.		
8	Wiring with 2 x 2.50 sqmm PVC insulated copper conductor wire of 650/1100 volts graded with required earth wire with concealed/exposed pvc pipe ,including making all the connections,including cutting chases and making good the surfaces wherever required.( From Panel to Fire alam, CCTV and net work rack . )	35	mts.		
9	Wiring with 2 x 1.50 sqmm PVC insulated copper conductor wire of 650/1100 volts graded with required earth wire with concealed/exposed pvc pipe ,including making all the connections,including cutting chases and making good the surfaces wherever required. ( From panel to 3 led indicator. )	15	mts.		

