CANARA BANK, CIRCLE OFFICE, DELHI					
SCHEDULE FOR ELECTRICAL WORKS OF CANARA BANK SUBRATO BRANCH & ATM ROOM					
Sl. No	Description	Qty	Unit	Rate	Amount
I	**MAIN LT PANEL /DBs**				
1.1	Supply and installation of main LT panel, wall mounted front operated totally enclosed vermin proof, indoor non-drawout-cubicle type power panel fabricated out of 2mm thk CRCA sheet having gasketed hinged cover on each cubicle fully powder coated after 7 Tank treatment, incorporating horizontal and vertical sleeved copper busbars, complete with all internal wiring, danger board, 2 earthing legs, cable chamber etc as required, housing below mentioned switch gears / meter (GA drawing of the panel got to be approved by Bank / Architect)				
a	1No.,100A,FP, Changeover Switch + 1 no. , 100A,TP, MCCB with ELR(0-3A) and CBCT as Incomer				
b	3 nos. 40A & 2 nos. 63A, TPN, MCB outgoing				
c	1 no., 0-125A, Ammeter with CTand selector switch				
d	1no., 0-500V, Voltmeter with selector switch and fuse				
e	1Set, TPN, Copper busbars of size 20mm x 5 mm thk PVC insulated suitable for 125 Amp load				
f	1 Set, RYB, indicating lamps with resistors and fuses				
	Full Set as above	1.00	SET		
2.1	Suply and installation of 4 way, TP&N 'MCB 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 HORIZONTAL DB)				
a	1 no., 40A, TPN, ELCB(100mA) incomer				
b	12 nos, 16A, SP, MCB outgoing				
	Full Set as above	1.00	SET		
2.2	Suply and installation of 6 way, TP&N 'MCB 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 HORIZONTAL DB)				
a	1 no., 63A, TPN, ELCB(100mA) incomer				
b	18 nos, 16/20A, SP, MCB outgoing				
	Full Set as above	1.00	SET		
3	S & I of SPN, DB for distribution of input power to UPSs as per SLD having below mentioned switchgears (Earth bar inside these DB should be insulated from the body) (UPS-INPUT- HORIZONTAL DB)				
a	1 no, 63A, FP, Isolator incomer				
b	3 Nos. 40A, DP, MCB, outgoing				
	Full Set as above	2.00	SET		
4	S & I of SPN, DB for distribution to all computer power points on workstations, having below mentioned switchgears (Earth bar inside these DB should be insulated from the body) (UPS-OUTPUT-DB)				
a	1 no, 40A, DP, MCB, incomer				
b	12 nos, 16A, SP, MCB, outgoing				
	Full Set as above	2.00	SET		
5	S & I of 20A, metal clad 3 pin socket with plug top along with 1no. 20A, SP, MCB, all housed in sheet metal powder coated 20 A DP MCB box for giving supply to A/C machines & vaults	6.00	Nos.		
6	S & I of 40/63A (TPN/DP), MCB in sheet metal water proof IP-55 enclosure for giving supply to HVAC machines/equipt.	-	No.		

7	S & I of 100A,25 KA, MCCB in sheet metal enclosure for main switch near meter and stabiliser input etc.	1.00	Nos.		
8	S & I of 100A,FP, Changeover switch in sheet metal enclosure for stabilizer bypass	1.00	Nos.		
9	S & I of SPN D/D consumer Unit with 8 ways with suitable 63 Amp DP incomer and 25 Amp. SP out going MCB's for Signage.	2.00	no		
10	Suply and installation of 6 way, VERTICAL TYPE TP&N 'MCB type Distribution Board(double door) flush mounted on wall,sheet metal fabricated, powder coated, having dustproof 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)	-	no		
	1 no., 63 A, TPN MCB - As incomer				
	4 No 40 / 32 Amp TP MCB - As Outgoing				
	06 nos, 6 to 32A, SP, MCB - As outgoing				
11	S/Fixing of 32/40 Amp 4 Pole MCB in MS enclosure i/c making connections testing etc as reqd..	2.00	no		
	Sub Total				
II	**CABELS / MAINS**				
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	3 1/2 CX 50 Sq.mm Al. Cable	30.00	Mtr		
1.2	3 1/2 CX 50 Sq.mm Al. Cable	40.00	Mtr		
1.3	4C x 10 Sq.mm Copper	40.00	mtr.		
1.4	4C x 6 Sq.mm Copper	-	mtr.		
1.5	2C x 4.0 Sq.mm Copper	40.00	mtr.		
1.6	2Cx 10Sq.mm Copper	50.00	mtr.		
1.7	2C x 6 Sqmm copper	40.00	mtr.		
1.8	3 1/2 CX 95 Sq.mm Al. Cable	40.00	mtr		
1.9	4cx50 sq mm Copper Conductor cable with 1/10 sq mm earth wire from Airforcec Authority Pannel to Bank main panel with all accessories etc complete.	80.00	mtr		
2	S & I of end termination of above mentioned cables including compressed type brass glands, crimping type coper 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	4.00	Nos.		
2.3	2C x 10/4/6 Sq.mm	4.00	Nos.		
	Sub Total				
III	**WIRING**				
1	Supply & Installation of concealed point wiring using 600v grade 2.5 sqmm copper conductor PVC insulated wires (with proper R,Y,B color code) pulled through haevy gauge PVC conduits laid concealed over false ceiling or in wall chases including circuit wires from the relevant DB and also including 2.5 Sq.mm Green Colour Copper earth wire and provision of grid plate type (ROMA) switches and sockets as approved by Bank / Architect. Each circuit feeding not more than 8 points / 800 W as per the following configuration.				
1.1	Primary light points including the cost of 5A switch	34.00	Pts		
1.2	Secondary light points looped from the above point	24.00	Pts		
1.3	5A plug point as primary point	8.00	Pts		
1.4	Secondary 5A Plug point on switch board	8.00	Pts		

1.5	15A Plug Point directly taken from DB for hotplate/geyser / zerox / fridge	10.00	Pts		
1.6	Indicator Light point from main panel to Banking area for indication of Mains power supply with wiring, indicator lamps etc.	1.00	Pts		
1.7	Exhaust fan, Wall fan , Ceiling fan point consisting of 5A socket near fan and switch on light switch board as per requirement	24.00	Pts		
1.8	Wiring for Signages with 2R x2.5 Sq.mm and 1 Rx 2.5 Sq.mm, PVC insulated copper conductor flexible cable to be connected to the SPN D/D consumer unit installed in ATM room	20.00	mtr.		
2	S & I of point wiring for UPS or stabilized power plug points on workstations / table for computers using 3C X 2.5 Sqmm Cu. PVC sheathed white color flexible cable **pulled through above False ceiling and cutting the walls as raceways are not provided** and taken upto table top using PVC rigid or flexible conduits run within wooden or metal partitions. Each point consisting of 3 Nos of 2 / 3 Pin sockets and 1 No 15A switch, wired together forming one point. Switches and sockets to be (ROMA). Earth wire to be of Green colour only. (Only 2 tables served by one circuit from UPS DB) **Cost is inclusive of necessary cutting the walls and including PVC Pipe required for taking the wires.**	16.00	Pts		
3	S & I of points similar to above but to be used as raw or UPS power point on the tables consisting of one 5/15A socket with switch of other color and flexible cable of black color & circuit taken from LIghting DB (4 tables served by one circuit from LDB/PDB) Taken Above False ceiling and through walls as raceways are not provided. Cost is inclusive of necessary cutting the walls and including PVC Pipe required for taking the wires.	12.00	Pts		
	Sub Total				
IV	**LIGHTING FIXTURES(Philips/Wipro/Thorn/Crompton)**				
1	S & I of lighting fixtures as per the details given below including necessary hardware such as clamps,nuts, bolts, nails, screws and suspension chains as required for fixing the fixtures in position as directed by architect / Consultant.				
1.1	FBS 450/236 Wing C with D6 PW HF with lamp/ Wipro-WVP 78236 SGA (2 X 36 Watt) with lamp.	0.00	Nos.		
1.2	FULL GLOW 2 X 2 LED 36 W slim Smart Panel of make As specified in tender document or approved by Bank/ Architect.	32.00	Nos		
1.3	LED 18 W tube 4'-0" As specified in tender document or approved by Bank/ Architect.	14.00	Nos.		
1.4	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.	36.00	Nos.		
1.5	250mm dia wall mounted exhaust fan of decorative	3.00	Nos.		
1.6	1200 mm diameter Wall/Ceiling fan	16.00	Nos.		
1.7	S/I of LED strip Light of approved make and design	35.00	mtr		
1.8	S/I of 5 W LED spot light of wipro/Havells make with all	18.00	Nos.		
	Sub Total				
V	**EARTHING**				
1	Chemical Earthing using Electrode of size 80 mm dia, 2 meter long connected with 50X6 mm Copper internal strip complete with excavation, civil works, cast iron cover with back fill compound. The voltage between Neutral & Earth not to exceed 2 volts. including bore holes wherever required and putting the earth as per requirement.	1.00	Nos		
2	S & I of copper /GI earthing wires/strips in following sizes				
2.1	8 SWG copper bare wire	-	Mtrs		
2.2	25mm x 3mm thick GI strip	-	Mtrs		

3	S & I of isolated earthing / grounding system for computers etc.using insulated green copper earthing wire laid through 20mm PVC conduits from separately made earth pit to the equipment in following sizes				
3.1	6 sqmm copper in 20mm PVC conduit	30.00	Mtrs		
4	S & I of Main bus for isolated earth comprising of 200mm x 40mm x 6mm thick copper bar fixed on insulated support and having 20 nos of holes and nut bolts studs for clamping the earth leads,all contained in MS/PVCbox of size 300mm x 200mm x 50mm deep and having transparent acrilic cover as approved by Bank / Architect.	-	Set		
	Sub Total				
VI	**WIRING FOR VOICE OUTLETS**				
3	Providing and laying Cat 5 cable (Make: D-Link) for voice in existing conduits for voice and providing & terminating with RJ-11 (Krone make) with face plates / I/O Ports in suitable modular / MS box from server / EPABX room to individual work stations and terminate the other end with RJ-11 connector or on a Crone module with numbering of each cable with Ferule				
3.1	RJ-11 for Voice (THROUGH FALSE CEILING AND WALL)	8.00	points		
4.0	Providing, laying and connecting PVC insulated copper telephone cable of following sizes including termination in approved manner.				
4.1	20-pair	20.00	mtr.		
5.0	Providing and fixing of telephone tag block (Krone) of following sizes housed in GI box with cover of suitable size including termination				
5.1	20 pair	1.00	No.		
6	Removing all exsiting fittings/wirings etc and making temporary connections and shifting of points all across the Branch and for workstations (Electrical, UPS and telephone) to enable smooth functioning of the branch during renovation all complete as per the instructions of Bank's Engineer/ Architect. Item to include supplying all wires, cables, conduits etc. for the same. Nothing extra shall be payable in this regard.	1	Job		
	Sub Total				
A	**TOTAL FOR ELECTRICAL WORKS (EXCLUDING GST)**				
	Discount If any (Only on Excluding GST amount only)				
	Net Amount (After Discount if any - Excluding GST) (Discount if any shall be given on Amount in Sub part (A -Excluding GST) Not on sub part (C)).				
	GST as extra as applicable (For ELECTRICAL works) - By Bank				
B	**Buyback Amount for Old/Unused Items (Credit to Bank) (EXCLUDING GST)**				
	The work includes giving credit to Bank towards the existing old & unusable items including Electrical Fittings & Fixtures, Old Wires & Cables, MCBs, DBs, Electrical Panel, etc. after carefully dismantalling and thereafter disposal of the same from the Branch site. No additional amount shall to paid for dismantalling, transportation, etc. works.				
	GST as extra as applicable (For Buy back) - By Vendor				
C	**GRAND TOTAL {Electrical Work Amount less Buyback Amount}**				
	GST as extra as applicable				

PLACE:
DATE:

SEAL AND SIGNATURE OF THE CONTRACTOR WITH ADDRESS