

CANARA BANK, REGIONAL OFFICE - DURGAPUR					
B O Q FOR ELECTRICAL WORKS					
SI No.	Description Of Item	Qnty.	Unit	Rate (Rs.)	Amount (Rs.)
1	DISTRIBUTION BOARDS				
a	Providing and fixing 12 way SPN double door LIGHT DB for Light Points with incomer 1 no. 40 Amps DP MCB controlling 10 Nos. 6/10 Amp SPMCB Complete.	6.00	unit		
b	Providing and fixing 12 way SPN double door UPS DB with incomer 1 no. 40 Amps DP MCB controlling 10 nos. 6/10 Amp SP MCB Complete.	2.00	unit		
c	Providing and fixing 6 way TPN double door AC DB for A.C. POINTS with incomer 1 no. 100 Amps 4P MCB controlling 8 no. 10/16 Amp SPMCB, keeping other space as spare Complete.	2.00	unit		
d	Providing and fixing 4 way TPN double door POWER DB for RAW POWER POINTS with incomer 1 no. 40 Amps 4P MCB controlling 12 no. 6/10 Amp SPMCB Complete.	4.00	unit		
2	CABLES				
b	Providing and laying 2 x 6 sq. mm. & 1 x 1.5 sq. mm. FR PVC coated copper conductors (1.1 KV grade) in pvc rigid pipe/capping-casing on surface of wall duly clamping with necessary fittings and accessories from <u>Main Panel to LIGHT DB</u> . Including all necessary terminals etc. complete.	100.00	r. m.		
c	Providing and laying 3 core 16 sq. mm. copper cable (1.1 KV grade) in pvc rigid pipe/capping-casing on surface of wall duly clamping with necessary fittings and accessories from <u>Main Panel to AC DB</u> . Including all necessary terminals etc. complete.	40.00	r. m.		
d	Providing and laying 2 x 4 Sq mm. & 1 x 2.5 sq. mm. FR PVC insulated multi stranded copper wire in suitable size pvc rigid pipe/capping-casing on surface of wall duly clamping with necessary fittings and accessories for <u>AC DB To Starters/Outdoor Units</u> Including all necessary terminals etc. complete.	185.00	r. m.		
f	Providing and laying 2 x 6 sq. mm. & 1 x 2.5 sq. mm. FR PVC coated copper conductors (1.1 KV grade) in pvc rigid pipe/capping-casing on surface of wall duly clamping with necessary fittings and accessories from <u>Main Panel to POWER DB</u> . Including all necessary terminals etc. complete.	60.00	r. m.		
g	Providing and laying 2 x 2.5 sq. mm. & 1 x 1.5 sq. mm. FR PVC coated copper conductors (1.1 KV grade) in pvc rigid pipe/capping-casing on surface of wall duly clamping with necessary fittings and accessories from <u>LIGHT DB to SWITCH BOARDS</u> . Including all necessary terminals etc. complete.	300.00	r. m.		
h	Providing and laying 4 x 10 sq. mm. FR PVC coated copper conductors (1.1 KV grade) in pvc rigid pipe/capping-casing on surface of wall duly clamping with necessary fittings and accessories from <u>Main DB to UPS Input & UPS Output to UPS DB</u> Including all necessary terminals etc. complete.	30.00	r. m.		
i	Providing and laying 2 x 2.5 Sq mm. & 1 x 1.5 sq. mm. FR PVC insulated multi stranded copper wire in suitable size pvc rigid pipe/capping-casing on surface of wall duly clamping with necessary fittings and accessories for <u>UPS DB To Computers</u> . Including all necessary terminals etc. complete.	1200.00	r. m.		

SI No.	Description Of Item	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
3	POINT WIRING				
	Providing & fixing POINT WIRING for Ceiling and wall lights / fan. The item includes Circuit wiring from DB to the switch board with 2 x 2.5 Sq. mm. PVC insulated copper conductor with 1.5 sq. MM PVC insulated copper conductor for earthing in appropriate size of PVC conduits ISI mark , point wiring to be laid with 2 x 1.5 Sq. mm. PVC insulated copper conductor with all necessary accessories, such as saddles etc. on surface or embedded in wall, chasing the walls and making the surface neat afterwards. The item includes switch 6 Amp MK / CRABTREE with all base plates & cover plates, M.S. box of same make etc. 3 - plate ceiling rose to be provided for Exhaust fans complete. Each switch board should have at least 1 no. 5 Amp raw power socket & 1 no. switch, for which cost to be included in the rate				
a	Providing and fixing point wiring with same specifications as MAIN point wiring above : one point to be controlled by one switch.	180.00	unit		
b	Providing and fixing power point for WALL FAN points with 1 x 5pin 6Amp socket outlet to be provided at the location of fan	49.00	unit		
c	Providing & fixing Raw Power Point Includes 2 nos. 5 pin 6 AMP socket and 1 no 6 Amp switch etc. complete.	50.00	unit		
d	Providing & fixing Computer Plug Points with 3 Nos 5 pin 6 Amp sockets, 1 Nos 6 amp switch, complete with all necessary accessories. The switch and indicator to be located above the counter while sockets to be fixed below the counter.	45.00	unit		
e	Providing and fixing BELL POINTS on wall / partition with 2 x1.0 sq. mm. copper conductor with call bell switch (Push Type) including ANCHOR call bell TRESSA Multi Tune Bell complete.	4.00	unit		
f	Providing and fixing Starter for AC consisting of : 15 Amp. Socket for plug, 12-18 Amp. Starter	15.00	unit		
4	ELECTRICAL FIXTURES				
	Item includes Providing, assembling, fixing, testing & commissioning Following Fixtures including all accessories, lamps & extension chords as maybe necessary complete. All LED / Fluorescent fixtures (except down lighters) to be hung from the RCC ceiling by 20 KG grade adjustable GI chain & in NON False ceiling area they are to be hung by appropriate Down Rods.				
a	Providing and Fixing Recessed mounted diffused optics high performance 2' X 2' LED luminaire with necessary LED lamp (34W LED 6000K) or similar	54.00	unit		
b	Providing and Fixing Recessed mounted LED spot light with necessary LED lamp (15W LED 6000K) or similar. (Ceiling cutout ø 155 mm.)	96.00	unit		
c	Providing and Fixing Surface mounted 4' long luminaire suitable for Lamp type 18W LED (T5) or similar	23.00	unit		
d	Providing and Fixing wall mounted fans 400 mm. sweep with oscillation and speed controller	43.00	unit		
e	Supplying & Fixing of exhaust fan heavy duty industrial type Crompton 225 mm sweep with 1400 RPM.	6.00	unit		
f	Supplying & Fixing of ceiling fan 1200 mm sweep with 600v electronic regulator.	5.00	unit		

SI No.	Description Of Item	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
5	TELEPHONE CABLING				
a	Supplying, Installation, Testing & Commissioning of 3 pair 0.51 sq. mm. telephone unarmoured cable in 20 mm PVC pipe. (Make - Finolex / Havells / Polycab)	850.00	r. m.		
b	S/I/T/Commissioning of Telephone point with 1 No. of RJ-11 socket, 1 Module Plate & Modular Box as per instructions of the Architect.	42.00	unit		
	GRAND TOTAL				

APPROVED MAKE OF MATERIALS

1	Switch fuse / fuse switch units (HRC) (32A TPN & above)	GE power / SIEMENS / L&T / Schneider
2	Timer (TSQ 100)	Havells
3	Voltmeter & Ammeter	A. E. / IMP
4	Voltmeter & Ammeter selector switches	KAYCEE / L & T
5	Phase indicating lamp	Vaishno / SIEMENS / ROSS controls
6	Capacitor	CROMPTON/SIEMENS
7	HRC fuses	GE power / SIEMENS / L & T / SCHNEIDER
8	Power Cable : XLPE	GLOSTER/INCAB/POLYCAB/CINOLEX
9	HRC fuse base & carriers.	GE Power/SIEMENS/L&T/SCHNEIDEV
10	1.1 KV grade PVC insulated armoured aluminium cable (ISI marked)	UNIVERSAL / GLOSTER / NATIONAL / NICCO
11	PVC terminals	ELMEX / ESSEN
12	1.1KV 660V grade PVC insulated & sheathed / insulated copper wire & flexible cords (ISI marked).	NATIONAL/FINOLEX/ HAVELLS
13	Moulded case circuit breaker	L & T / SCHNEIDER/LEGRAND
14	RCCB / ELCB	LEGRAND/ SIEMENS / L&T / HAVELLE'S
15	Switch fuse with rewirable fuses. (6A & 32A TPN)	HAVELL'S / STANDARD
16	Isolator	HAVELL'S / STANDARD
17	Changeover switch (on load type)	KENBAR / HAVELL'S / ELCON / HPL /CONTROL & SWITCHGEAR
18	MCB distribution board	LEGRAND/ SIEMENS / HAVELLE'S
19	Distribution fuse board with rewirable fuses	LEGRAND/ SIEMENS / HAVELLE'S
20	Miniature circuit breaker / MCB type isolator	LEGRAND / SIEMENS / HAVELLE'S
21	1/16 Amp modular type switch / flushed type plug socket	ANCHOR (Roma) / CRABTREE / MK
22	6/16 Amp modular switch / socket, module plate & mounting M.S. / PVC box.	ANCHOR (Roma) / CRABTREE / MK
23	600W, 2 module electronic regulator	ANCHOR (Roma) / CRABTREE
24	Ceiling rose	KAY / EPP / ANCHOR / JJ
25	Holder	KAY / EPP / ANCHOR / JJ
26	Alarm bell.	KHERAJ / GETCO
27	G.I. pipe	BST / BANSAL
28	Black enamelled Steel conduits (conforming to IS in all respects)	BEC / SUPREME / AKG
29	Compression type brass gland	DOWELLS / JOHNSON / COMET
30	Cable termination socket	DOWELL'S
31	Light fitting & lamps	PHILLIPS / HAVELLS
32	Ceiling / Wall Mounted Fan	CROMPTON / POLAR / KHAITAN / HAVELL'S
33	Exhaust fan	CROMPTON / POLAR / KHAITAN / HAVELL'S
34	Industrial type socket & top	HAVELL'S / CROMPTON / LEGRAND
35	Telephone wire	FINOLEX / RRK/NATIONAL
36	STARTERS	NORTH WEST / CABTREE
37	All other items not covered above	As per sample approved by Employer/Consultant