

BILL OF QUANTITIES FOR ELECTRICAL WORKS AT VIVEK VIHAR, NEW DELHI

S. NO.	DESCRIPTION OF ITEM	QTY	UOM	RATE (Rs.) (Excl. GST)	AMOUNT (Rs.) (Excl. GST)
1	Dismantling of existing electrical work, shifting of existing electrical lines to the new panel from back of the building and disposal of malba to nearest municipal ground including transportation. The work includes all labour materials, and related works complete in all respects as per the requirement.	1.00	Job		
2	SITC of 3 Nos. 250 Amp. Kit-kat Fuse unit along with 200 Amp. neutral link on wooden board of size 2'0" x 2'0" complete with connections complete in all respect to the satisfaction of Bank.	1.00	Set		
3	<p>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 compartmentalized construction with bus bar chambers, cable alley, cable glands plate etc. as required, duly painted from inside as well outside. It shall have the following:</p> <p>MAIN PANEL: 1 No.250 Amp. TPN, MCCB (50 KA breaking capacity), Bus bars 250 Amp., 3 phase, 4 strips, 415 volts, 50 Hz. copper busbars with colour coded PVC heat shrinkable sleeves. 250 Amp. Changeover Switch Instruments: Digital Multi function Meter of standard make for displaying Input Voltage, Ampere, Power factor, KWH used with CTs.</p>	1.00	No.		
	<p>OUTGOING: 5 Nos. 100 Amp. MCCB (For All Floor Feeder) from Non-Generator Powered Bus. 6 nos. 40A & 6 nos. 63A, TPN, MCB outgoing from Generator Powered Bus. 1 no., 0-125A, Ammeter with CT and selector switch 1no., 0-500V, Voltmeter with selector switch and fuse 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.</p>				
c.	SITC of 12 WAY SPN Double Door DB complete with 1 No. 40 AMP DP MCB as incomer and 10 NOS. 6-10 AMP SPMCB as outgoing for Branch UPS power distribution to Computer points on Staff Counters / Tables.	2.00	No.		
f.	SITC of 40/63 Amp. Rotary Phase selector switch complete with RYB indication in enclosure for Branch's UPS input power network and Inverter. Complete in all respect as required.	3.00	No		
4	CABLES				
	All cables / wires shall be routed through PVC conduits / bends / elbows etc., as required, of appropriate dia. The conduits shall be clamped firmly to the walls / columns / pillars etc. with clips / clamps and fasteners rigidly even if above false ceiling.				

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	Complete job shall include cutting chiseling in walls, floor and making good of all chases / cuts etc. with combination of cement-mortar, including painting with type and shade of existing wall. The work shall be completed to the satisfaction of Bank. NO CABLE / WIRE / CONDUIT SHALL BE VISIBLE IN THE BRANCH HALL / CUSTOMER LOBBY / STAFF WORKING AREA.				
a.	SITC of 3.5 Core 50.0 Sq.mm Aluminium conductor Armoured Cable for service line connection up to Kit kat fuse unit complete in all respect as required.	35.00	Mtr.		
b.	SITC of 4 core 6.0 Sq.mm Copper conductor Unarmoured Cable from main Panel to (a) LDB (b) PDB (c) Branch UPS input power supply. Note: In case inverter is present at the branch, the wiring from LDB should be with 2x6.0+1x2.5 sqmm wiring mentioned below and not with 4 core 6.0 Sq.mm Cable	75.00	Mtr.		
c.	SITC of 2 runs of 6.0 Sq.mm and 1 no. of 2.5 Sqmm FRLS PVC Insulated Multistrand Copper conductor wire from selector switch to UPS to UPS Distribution boards	50.00	Mtr.		
8	EARTHING				
a.	Preparation and commissioning of earth pits with PIP technology GEL type 50mmdia 3000mm long earth electro. (One Dedicated Earthing for ATM UPS, Branch UPS and main panel	1.00	Nos.		
b.	SITC of Earthing conductor from earth terminal to load point with 6.0 sq mm multstrand copper conductor FR pvc /XLPE insulated cable in required dia pvc conduit complete in all respect as required.	25.00	Mtr.		
14	FIXTURES				
	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 Commercial LED Light Fixures should be covered with minimum 3 Years onsite replacement warranty)				
a	LED 18/20 watt Tube Light with all accessories.make As specified in tender document or approved by ARCHITECT OR BANK	12.00	Nos.		
b	Supply &fixing of Ceiling fans 1200 mm double ball bearing make As specified in tender document or approved by ARCHITECT OR BANK with required down rod and hanging arrangement	2.00	Nos.		
c	Supply & fixing of 230 mm exhaust fan 'Ventilair DX W' with self closing louvers and plastic body with all accessories etc. complete of make As specified in tender document or approved by ARCHITECT OR BANK	1.00	Nos.		

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d	Supply & fixing of feet PVC Batten with integrated LED tubeW with high quality diffuser with Life of 25000 burning hours & 70% lumen maintenance with CRI >80. Power input :220-240 V @ 50/60 Hz & PF >0.9 along with CE approved. 2 years warranty against any manufacturing defect working under standard electrical condition as approved.				
	LED light fitting 1x4' - 20/22w LM34-251-XXX-57-RM	6.00	Nos.		

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)).			
	GST as extra as applicable			
	PLACE:			
	DATE:			
				SEAL AND SIGNATURE OF THE CONTRACTOR WITH ADDRESS

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