

PRICE BID(PART-II)



Bank Of Maharashtra,PVR Branch, Latur Zone.

BILL OF QUANTITY Electrical & Data for Branch

Sr.No.	Description	Unit	Qty.	Rate	Amount
A.	POINTS & WIRING				
1	LIGHTS POINTS				
1	Wiring for light point/ fan point/ wall fan point/ exhaust fan/ light sockets etc. with 1.5 sq.mm. PVC insulated 1100 V Grade copper conductor (FRLS) wires & 1.5 sq.mm. copper earth wire in concealed/ surface using 16 SWG MS conduits, accessories such as bends, tees, saddles, draw boxes, mounting boxes, inner plates, cover plates, ceiling rose etc. (wherever required) and chromium plates brass screws/ rowel plug etc. The circuit wiring starting from DB to point control box/ switch box using 2 X 2.5 sq.mm PVC insulated 1100 V grade multistranded copper conductor wire & 2.5 sq.mm. PVC insulated earth wire (color code to be used). (Flexible conduit/ elbow not allowed). The conduit to be laid in ceiling with proper clamps/ wall/ floor and filling the chase with cement mortar and finishing the same in original form/ wooden partition/ above false ceiling with proper clamps etc. all complete.				
	(Wherever required as per standard specifications).				
	i) Each circuit shall have independent earth wire.				
	ii) Each point shall be earthed.				
	iii) Circuit wiring is to be included in point wiring rates.				
i	Providing and fixing points controlled by one 6 amp. Modular switch.	Nos.	15		-
ii	One call bell point with ceiling rose/ 6amp. 3 pin socket controlled by one 6 amp. Push Modular switch. With call bell	Nos.	3		-
iii	wall fan/ exhaust fan point controlled by one 6 amp. Modular switch. The switch should be at switchboard level.	Nos.	8		-
iv	ceiling/ fan point with 120W Electronic Step down Regulator	Nos.	8		-
v	5 pin socket controlled by one 6 amp. Modular switch complete assembly includes plate box etc. Dependent (RAW Points)	Nos.	16		-
2	POWER POINTS				

A.	Wiring for 16 Amp, 6-pin sockets by using 2x4 sq.mm. PVC insulated 1100 V grade copper conductor wire with independent 1* 4.0 sq.mm earth wire from D.B. to first point 1 st socket and 1 st to 2 nd , socket with 2x2.5 sq.mm and 1x2.5 earth wire including providing and fixing of 16 Amp, 6 –pin socket with 16 Amp. Switch. (Modular type switch/ socket/ plate etc. complete assembly)	Nos.	16		-
4	COMPUTER POINTS (UPS)				
a	Wiring with 2x2.5 sq.mm. + 1x2.5 sq.mm. PVC insulated 1100 V grade multi stranded copper conductor wires in 2 mm thick PVC conduit from UPS DB to computer point. Each point to have 3 nos. 6 amps. 5 pin modular type sockets, one 16 amps modular switch with all accessories , inner/ outer plates, metal box etc. and to be fixed on wooden partitions/ by grouting on wall etc. as per requirement at site. The switch should be fixed above the top of counter with indicator and sockets under the counter	Nos.	12		-
		PART (A) SUB TOTAL			-
B.	CONDUITING FOR TELEPHONE, COMPUTER & CONDUITING, WIRING FOR T.V. SYSTEM.				
1	TELEPHONE SYSTEM				
1.1	Wiring for VOICE from Jack Panel in data rack to computer workstation with Cat-6 voice cable in PVC conduits of size 20/ 25 mm including providing ferrules at both ends and termination at both ends including providing & fixing frame for Cat-6 with shutter, RJ 45 outlet, faceplate and mounting box complete of modular type. This work includes supply and laying of CAT-6 cable in PVC conduits throughout the length, from the I/O hub to the point.	Nos.	0		-
2	COMPUTER NETWORKING				
2.1	Supply & Installation of RJ 45 outlet, faceplate and mounting box complete of modular type, This work including termination of CAT - 06 cable.	Nos.	12		-
2.2	Supply & Laying of Cat-06 Wiring for computer networking from Jack Panel in data rack to computer workstation with Cat-6 computer cable in PVC conduits of size 20/ 25 mm including providing ferrules at both ends and termination at both ends	Mtrs	170		-
2.3	Supplying and fixing Patch Cord-2 Meter- (DBPS Mounting Cord)	Nos.	10		-
2.4	Supplying and fixing Patch Cord-1 Meter-	Nos.	10		-
		PART (B) SUB TOTAL			-
C.	CABLES, MAINS & SUBMAINS				

1	Supplying all materials and laying/ pulling 1100 volts grade PVC insulated copper conductor wires (FRLS) in conduit with all fixing accessories after cutting the floor, wall and the like etc. and plastering the floor level to original. Conduit must be 30 mm below the floor finish level.				
i	Providing and fixing 2 X 4 Sq.mm.+1X4 Sq.mm for AC	RM	270		-
ii	Providing and fixing 2X 6 Sq.mm.+ 1X6 Sq.mm (UPS Input & Output for Branch)	RM	180		-
iii	Providing and fixing 2 X 2.5 Sq.mm.+ 1X2.5 Sq.mm (for Lighting & Power Circuits)	RM	450		-
iv	1 X 10 sq.mm. wire for earthing. (UPS Input/Output)	RM	70		-
v	Supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 volts grade PVC insulated Al conductor armoured cable with 10 gauge earth GI wire including cables end termination using appropriate Lugs, Glands, termination accessories, Clamps etc. as required as per specification (DB to MCB).	RM	9		-
vii	Supplying, laying, testing & commissioning of 3.5C x5 0 sq sq.mm. at 1100 volts grade PVC insulated Al conductor armored cable with 10 gauge earth GI wire including cables end termination using appropriate Lugs, Glands, termination accessories, Clampsetc. as required as per specification. (Mains)	RM	18		-
PART (C) SUB TOTAL					-
D	(LIGHT FITTINGS & ACCESSORIES)				
	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 LED Light Fixtures should be covered with minimum 3 Years onsite replacement warranty).				-
i	LED 18 W / 9W tube 4'-0" / 2'-0" As specified in tender document or approved by Bank/Architect.	Nos.	20		-
ii	FULL GLOW 2 X 2 LED 36 W slim Smart Panel of make As specified in tender document or approved by Bank/Architect.	Nos.	20		-
iii	Supplying, fixing, testing and commissioning of 15 W LED commercial type down lighter of make As specified in tender document or approved by	Nos.	20		-
iv	Supply, installation, testing and commissioning of following Ceiling fans with all fixing materials like white Polycarbonate 2 mm Hylem sheet cover, down rods, fan box as required etc. all complete as per the directions	Nos.	12		-

v	Wall mounted fans 400 mm dia. make As specified in tender document or approved by concerned office in charge.	Nos.	3		-
vi	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 concerned office in charge.	Nos.	3		-
PART (D) SUB TOTAL					-
E EARTHING SYSTEM					
1	Supply & Installation of earth pit comprising of 600mm x 600mm x 3mm thick copper plate buried at a minimum depth of 1.5 meter including necessary materials like charcoal, salt etc. (MSEB AND UPS)	Nos	2		-
PART (E) SUB TOTAL					-
F MAIN PANEL ELECTRIC PANEL CONSISTING ALL BELOW					
	Supply, installation, testing and commissioning of front operated cubicle type compartmentalized, front access, free standing on 75MM "I" MS channel, dust and vermin proof (IP 42 degree protection) panel suitable for use at 415V, 3 phase, 4-wire 50Hz system suitable for fault level of required value symmetrical at 415V fabricated from 2mm thick CRCA MS sheets with hinged, gasketted (Metal based neoprene) lockable doors having structural reinforcement including 3mm thick gland plates on top and bottom, lifting hooks, GI earth strip of required size with On-Off toggle switches including 2 coated primer and 2 power coated over metal surface cleaned and treated with seven tank process complete with interconnections etc. as per specifications as required. Main panel board of approved make (Should be CPRI Approved, Type of Approval as instructed by the concerned office in charge)				
	As per the following specifications, (Part IV - Substation) and IS: 8623 comprising of followings panel mounting switchgears etc. as required, should be CPRI Approved.IS: 8623 comprising of followings panel mounting switchgears etc. as required, should be CPRI Approved. Note: Type of CPRI testing shall be as per Architect/ Bank's instructions. All switchgears shall have provision for entry of cables from the top or bottom through Cable Alley.				
	All live accessible parts shall be shrouded and all equipment shall be finger touch proof. The busbars insulation shall be withheat shrinkable sleeves SMC/ DMC shrouds and busbar supports shall be used. Padlocking facility shall be provided on all outgoing feeders' doors and switch handles shall be lockable in OFF position.				

	Suitable arrangement shall be made for termination of multiple incoming cables.				
	All KA values indicated shall be ICS breaking capacity				
a.	INCOMER		1		0
	3 Pole 100 Amps, FP MCCB (25 KA) each thermal over current, instantaneous, Short circuit release, Earth fault.				
b	BUSBARS		1		0
	Providind and fixing 100 amps bus bar in enclosed panel with suitable lugs, crimping, fixing and all connections etc.				
c	INDICATING PANEL		1		0
	Digital flush type class-1.0 accuracy multifunction meter showing V,A, PF etc. with 3 Nos. Current Transformers of 125/5A ratio, 15 VA Class-1.0 metering. - 1 sets				
	Red/Green/Amber ON/ OFF/ TRIP indicating lamps with 2A SP MCB backup protection.				
	1 set of three phase indicating lamps along with 2A SP MCB backup protection.				
d	INCOMING / OUTGOINGS (UPS-MSEB-INVERTER):-				
	4 Pole 63 A TPN MCB (10 kA) terminals suitable to receive cable on one side and wire connection to Bus bars. UPS INPUT OUTPUT				
	2 Pole 40A SP MCB (10 kA) terminals suitable to receive cable on one side and wire connection to Bus bars. -				
e	MBC BOX		1		0
	Provide and fix 12 way MCB box with 10A/16A/25A MCB single pole for electrical points, AC, power points along with installation etc				
	PART (F) SUB TOTAL				-
	GROSS SUB TOTAL (PART A + PART B + PART C + PART D + PART E + PART F) EXCLUDING GST				-
		CGST	9	%	-
		SGST	9	%	-
	GRAND TOTAL AMOUNT (including GST)				-
	Amount in Rupees:- Rs.				
	Note::				
	1. The contractor shall quote rate of whole item in BOQ considering the provided basic rate of material by bank. However,				
	2.All the pages shall be signed and stamped by the contractor.				
	3.Price Bid shall be filled only in type form. The price bid which are handwritten will be summarily rejected.				
	4.No addition/alteration is permitted for contractor in BOQ. Also no discount in addition to the total is permitted in the BOQ. Contractor has to fill the rates considering the specification of item, material, labour, transportation, taxes, overhead charges, profit etc.				

	Sign & Seal of the Contractor : -				
	Date:				