

MODEL ENGINEERING COLLEGE THRIKKAKARA

Schedule with Rate for the installation of 15 KVA DG set, UPS system & Split A/C Unit in the College premisses

SL NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
A	DG SET				
1	Supply, installation, Testing and Commissioning of Diesel Generator set of capacity 15KVA, turbocharged, liquid cooled, suitably rated developing 1500RPM complete for connecting Single Phase, 230V, 50Hz, 2 wire Alternator with CPCB approved aquistic enclosure, built in fuel tank with standard control panel and complete accessories including unloading and leading to the DG plinth	No	1		
2	Supply of all materials and carrying out foundation for installing the above 15 KVA DG set by using required size of gelly, sand, cement and watering for providing PCC of standard ratio of mix including excavation and civil works for a plinth height of 10 CM from the ground level	LS	1		
3	Supply of all materials and carrying out exhaust line by using suitable dia of MS pipe with flang, gasket and nut & bolt, with heat withstanding aluminium paint complete set	Set	1		
4	supply of all materials and carrying out indipentand pipe earth station by using 40 mm class B GI pipe complete set as per IS 3043	Nos	3		
5	Supply, laying and termination of 10 SWG earthing conductor including all hardware	Mtr	250		
6	Supply, Installation, Testing and Commissioning of 100A, 4 Pole on load change over switch with supply of rigid Cu. Conductor of size suitably rated for using the inter connection including the three phase supply to single. The system shall be in suitable enclosure out of 16SWG CR sheet provided with powder coated paint of approved shade	No	1		
B	M V CABLING				
1	Supply, laying, testing and commisioning of following AYFY cable laying through existing wall, trench, trays including all hardware and clamps				
a	2Cx25sqmm	Mtr.	30		
b	4Cx16sqmm	Mtr.	50		
c	3.5Cx50sqmm	Mtr.	95		
2	Supply of all material and carrying out end termination of the following cables using single compression type cable gland and suitable sockets.				
a	2Cx25sqmm	Nos.	4		
b	4Cx16sqmm	Nos.	6		
c	3.5x50sqmm	Nos.	2		

C	M V STANDARDISATION				
1	Supply, Installation, Testing and Commissioning of 8 way VTP DB panel having 100A TP MCCB as incommer and 63A/32A TP MCB as out going	No	1		
2	Supply of all materials, installation, Testing and Commissioning of anunciation cum indication for raw RYB indication, anunciation speaker and accepting switch indication complete set .	LS	1		
3	Labour charges for providing, checking, fault locating and providing the needfull rectification in office area and Principal's cabin area including necessary consumable materials for the rectification of the above fault.	LS	1		
4	Supply of all materials and carrying out proper earthing of the existing system in the office area.	LS	1		
D	UPS				
11	Supply, installation, testing and commissioning of 5KVA(120 VDC)on line UPS with 10 nos. 42AH SMF batteries for 1Hrs backup	No.	1		
12	Supply, carrying out end termination of 2Rx6sqmm PVC insulated Cu wire through suitable PVC conduits.	Mtr.	30		
13	Supply, carrying out end termination of 2Rx4sqmm PVC insulated Cu wire with 1Rx2.5sqmm earth wire through suitable PVC conduits or casing end capping	Mtr.	150		
14	Supply, carrying out end termination of 3Rx1.5 sqmm PVC insulated Cu wire through suitable PVC conduits.	Mtr.	250		
E	NET WORKING				
1	Supply and laying of CAT6 LAN cable through suitable PVC conduit.	Mtr.	600		
2	Supply, installation, testing and commissioning of CAT 6 socket out let	No.	10		
3	Supply , installation and connecting jack socket	No.	60		
F	ADDITIONAL POINTS				
1	One light controlled by one switch	No.	10		
2	One fan point controlled by one switch and regulator.	No.	3		
3	5A plug in independent position	No.	10		
4	5A plug in combined position.	No.	5		
5	3 Nos 5A plug controlled by one switch	No.	10		
6	15A socket controlled by 15A switch	No.	2		
7	32/25A DP MCB in a suitable enclosure	No.	2		
G	Air Conditioning Systems				
1	Supply, Installation, Testing and Commisioning of 2TR Hi-Wall Split A/c Systems of 3 Star rating Indoor and Out door Unit including Copper piping, PVC Drain pipes complete, Stabiliser excluded.	Nos	3		
2	Supply, Installation testing and commissioning of suitable stabiliser for the above AC unit	Nos	3		

H	STATUTORY APPROVELS				
1	Preparation of Necessary drawings and all documents submitting to Electrical inspectorate for scheme approval for installing the proposed DG Set.	Ls	1		
2	Preparation of Completion Report and all documents submitting to Electrical inspectorate for arranging inspection and receiving Sanction.		1		
	TOTAL				
<p>Make of Equipment/Materials</p> <p>1. DG Set: Ashok Leyland, Mahendra, Kirloskar, Crompton Greaves 2. Switch Gear: L&T, ABB, Schneider, Siemens 3. MV Cables: Finolex, Havells, Polycab, V-Guard, ATS 4. Switches, Sockets, Regulators: Schneider, Legrand, L&T, Crabtree 5. LT Wires: Finolex, Havells, Polycab, V-Guard, Traco 6. Cable Gland & Sockets: Reputed Make 7. UPS: Su-Kam, Luminous, True Power, HBL 8. A/C system: Bluestar, Voltas, Lloyd.</p> <p style="text-align: right;">All</p> <p>Materials/Equipments shall be of the best branded items with ISI, Strictly as per schedule specification</p>					

Date:

(Seal)

Signature:

Name: