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LIST OF EQUIPMENTS FOR ELECTRICAL LAB

ANNEXURE-II

Sr. No.	Name of Experiment	Items Description	Specification	Qty.	Rate/Piece in Rs	Total Amount in Rs.
1	Study of measuring instruments – Ammeter – Volt meter – Watt meter etc.	Ammeter	MI type Ammeter of portable type (0-2) Ampere.	01 no.		
		Multi Meter	Multi meter having measurement (AC & DC both) up to mA, mV, Mega Ohms, Tachometer contact type or Non contact type both.	01no.		
		Voltmeter	MI type voltmeter of portable type(0-300)Volts	01 no.		
		Watt meter	MI type Wattmeter of portable type(0-2000)Watts,	01 no.		
2	Determination of unknown resistance by Ohm's Law.	Ohm's law apparatus	It consists of a DC kit in which an unknown resistance is temporarily mounted with patch chords. The resistance value may varies 50 ohms to 300 ohms.	01 set.		
3	Energy/Power measurement in a single phase circuit using lamp load.	Energy Meter	Single phase Energy Meter of 5 to 8 Amperes mounted on a board having input and output phase and neutral terminals.	01 no.		
		Auto Transformer	Auto transformer of (0-270) Volts 8A.	01no.		
		Ammeter	Ammeter of (0-5) Ampere.	01 no.		
		Voltmeter	Voltmeter (0-300) Volt.	01 no.		
		Wattmeter	Wattmeter of upf type (0-1200) Watts.	01 no.		
		Resistive Load Bank	Resistive load bank 1 KW and connecting wires.	01 no.		

Sr. No.	Name of Experiment	Items Description	Specification	Qty.	Rate/Piece in Rs	Total Amount in Rs.
4	Load test on a single phase transformer.	Transformer	Single phase Transformer of 1 KVA	01no.		
		Auto Transformer	Auto transformer of (0-270) Volts 8A,	01no.		
		Ammeter	Ammeter of (0-10) Ampere.	01 no.		
		Voltmeter	Voltmeter (0-300) Volts.	01 no.		
		Wattmeter	Wattmeter of upf type (250V, 8A) or 2000 watts.	01 no.		
		Resistive Load Bank	Resistive load bank 1 KW in 1 Nos. and connecting wires	01 no.		
5	Load test on a single phase induction motor.	Capacitor	20 microfarad electrolytic capacitor.	05 nos.		
		Motor	1HP single phase induction motor with brake drum arrangement and belt balance for load test.	01no.		
6	Verification of series and parallel circuit	Battery Eliminator	DC power supply of 0-30V,	01No.		
		Multi Meter	Digital multi meter for measurement of AC and DC both	01No.		
		Resistor	1.0k Ω , 1.5k Ω , 6.8k Ω (box type)	01No.		
7	Study of DC & AC machine starters.	AC Motor Starters	AC Motor Starter Star delta starter: 1KW/15HP, 415V AC (Automatic) DOL Starter : 3 Phase, 415V AC	01No.		
		DC Motor Starters	DC Motor Starter Three Point Starter : 220V DC, 10A Four Point Starter : 220V DC, 10A	01No. each		