Heat Transfer Lab Equipments and Specifictions

Sr.No.	Name of Equipment	Specifications	Quantity
1	Thermal Conductivity of insulating Powder	Asbestos Powder 99% purity Conductivity Varies from 0.5 to 2	5 kg
2	Thermal conductivity Composite wall Apparatus	Voltmeter 0- 500V Ammeter 0 – 30 A Dimmer, Panel Mounted 2A Three Material:- Mild Steel, Bakelite, Wood Temperature Indicator Sensor PT 100- 12 Nos. Circular Heater Plate type MCB – 6A with indicator	1
3	Performance of Heat exchanger	Type: Tube in Tube Temperature Indicator Sensor PT 100- 5 Nos. MCB – 6A with indicator Asbestos Insulation Heater Capacity 3 KW	1
4	Thermal conductivity Metal Rod	Voltmeter 0- 500V Ammeter 0 – 30 A Panel Mounted Dimmer 2A Metal Rod- copper	1

		Inlet outlet water Temperature Scanner Sensor PT 100 MCB – 6A with indicator Small water tank for the with Pump for the cooling (Water Pump Submersible) Water Tank SS 304	
5	Stefan Boltzmann Apparatus	Temperature Scanner Sensor PT 100 Heater Type:- Rod type (2Kw) with Thermostat No of Sensors: 6 Hot water Tank – SS 304 Copper Hemisphere Approx. 150 to 200 mm dia. Ball Valve for the Water release Water Level indicator for the test setup Al ducting Insulation for the Copper Hemisphere	1
6	Emissivity Apparatus	Voltmeter 0- 500V - 2 Qty. Ammeter 0 – 30 A - 2 Qty. Panel Mounted Dimmer 2A - 2 Qty. Temperature Scanner	1

		Sensor PT 100: - 5 Nos. Heater Plate type- 2 Nos. MCB 6A with Indicator Test Plate Dia. 200 mm Black Plate Dia. 200 mm Metal Enclose for the Test Plates	
7	Forced Convection Apparatus	Voltmeter 0- 500V Ammeter 0 – 30 A Panel Mounted Dimmer 2A Blower: Metal body U Tube Manometer: Metal Body Orifice plate Metal Temperature Scanner Sensor PT 100 Heater Plate type Metal Pipe length- 500 mm MCB 6A with Indicator	1