




DEPARTMENT OF CIVIL ENGINEERING
AGRICULTURAL STRUCTURES & ENVIRONMENTAL CONTROL LABORATORY
COLLEGE OF TECHNOLOGY
Sardar Vallabhbhai Patel University of Agriculture & Technology Meerut 250110 (UP)
List of Equipment's

S. No.	Name of Equipment	Technical Specification	Figure of Equipment/Model/Device
01	Weighing Balance	Capacity-6 Kg, LC-1mg	



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2	Digital Thermo-Hydrometer with Data Logger	A sensor to measure air temperature and one sensor to measure relative humidity, temp. Resolution- 0.1 degree Celsius. Temp: -10 degree to 100 degree Celsius. Accuracy- 0.5 degree Celsius. Humidity output- 10MVVDC/1% RH, Humidity Resolution- 0.1% RH, Humidity- 99.9% RH, Humidity Accuracy- 3% RH.	
3.	Wet & Dry Bulb Thermometer	To measure Humidity, Temp Range- 90 degree Celsius, Temp Accuracy- 0.10.	



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4.	Anemometer	To measure the wind Velocity, Velocity Accuracy 3%, Min Temp. measure: -10 degree Celsius. Min. measurable air velocity: 0.1 m/sec	
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5.	Lux Meter	Display- 18mm. LCD, Range: 0-50,000 LUX, 3 range, Sampling time: 0.4 sec, operating temp. 0 to 50 degree Celsius, operating humidity: less than 80% RH	
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6.	Solar Power Meter	Display- LCD, Display unit: w/m^2 , sampling time: 0.25 sec.	
7.	Muffle Furnace	Temp. range: 900-1400 degree Celsius, accuracy: 1 degree Celsius, Inner Size 30x30x60cm.	




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8.	Hot Air Oven	Capacity: 95 litre, temp range: 250 degree Celsius, accuracy 5 degree Celsius, No. of Cells: 6, Motorized blower- air circulation	
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9.	Thermal Conductivity Apparatus	Conductivity cell Nozzle- Pneumatic, conductivity cell material- Non-magnetic, conductivity cell frequency MHz: 2, Conductivity cell sample capacity: 10ml, stability cell nozzle- Pneumatic, Desired Temp. (upto): 60 degree Celsius, reflector assembly least count: 0.001mm.	
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