



ANNAMACHARYA UNIVERSITY
CIVIL ENGINEERING DEPARTMENT


Name of the Lab: Environmental Engineering Lab

Name of the Lab in-charge: Mr. Ram Bhupal Reddy

S.No.	Equipment Photo	Name of the Equipment	Specifications	Price
1.		pH Meter	<ul style="list-style-type: none"> • Range: 0 – 14 pH • Accuracy: ± 0.01 pH • Display: Digital • Temperature Compensation: Automatic (ATC) • Electrode: Combination glass electrode • Power Supply: 230 V AC, 50 Hz 	Rs. 10,300/-
2.		Electrical Conductivity	<ul style="list-style-type: none"> • Range: 0 – 14 pH • Accuracy: ± 0.01 pH • Display: Digital • Temperature Compensation: Automatic (ATC) • Electrode: Combination glass electrode • Power Supply: 230 V AC, 50 Hz 	Rs. 12,300/-

3.		Muffle Furnace	<ul style="list-style-type: none"> • Temperature Range: Ambient to 1200°C • Temperature Control: Digital PID controller • Inner Chamber Material: High-grade ceramic fiber • Heating Elements: Kanthal wire • Power Supply: 230 V AC, 50 Hz 	Rs. 40,788
4.		Turbidity Meter	<ul style="list-style-type: none"> • Range: 0 – 1000 NTU • Accuracy: $\pm 2\%$ of full scale • Light Source: Infrared or Tungsten lamp • Detector: Photodiode • Display: Digital • Power Supply: 230 V AC or battery operated 	Rs. 23,300/-

5.		Hot Air Oven	<ul style="list-style-type: none"> • Temperature Range: Ambient to 250°C • Controller: Digital temperature controller with thermostat • Construction: Double-walled with glass wool insulation • Inner Chamber: Stainless Steel • Power Supply: 230 V AC, 50 Hz 	Rs. 26,136/-
6.		Flume Hood	<ul style="list-style-type: none"> • Construction: FRP/SS with laminated worktop • Exhaust System: Centrifugal blower with PVC ducting • Illumination: Fluorescent light • Velocity: 0.5 ± 0.05 m/s (face velocity) • Power Supply: 230 V AC 	Rs. 20,000/-

7.		Dissolved Oxygen Meter	<ul style="list-style-type: none"> • Range: 0 – 20 mg/L DO • Accuracy: ± 0.1 mg/L • Temperature Compensation: Automatic • Display: Digital • Sensor: Polarographic or Galvanic DO probe • Power Supply: 230 V AC / battery 	Rs. 29,100/-
8.		COD Extractor	<ul style="list-style-type: none"> • No. of Samples: 6 / 12 / 15 samples • Temperature Range: Up to 150°C $\pm 1^\circ\text{C}$ • Reactor Block: Aluminum / mild steel with powder coating • Timer: Digital 0–120 min • Power Supply: 230 V AC, 50 Hz 	Rs. 17,512/-

9.		Weighing Balance	<ul style="list-style-type: none"> • Capacity: 600 g • Readability: 0.001 g • Display: Digital • Pan Material: Stainless Steel • Power Supply: 230 V AC, 50 Hz 	Rs. 30,800/-
10.		BOD Incubator	<ul style="list-style-type: none"> • Temperature Range: 5°C to 60°C • Temperature Accuracy: $\pm 0.5^{\circ}\text{C}$ • Controller: Digital temperature indicator-cum-controller • Inner Chamber: Stainless Steel • Capacity: 90 L / 120 L / 180 L • Power Supply: 230 V AC, 50 Hz 	Rs. 67,100/-

