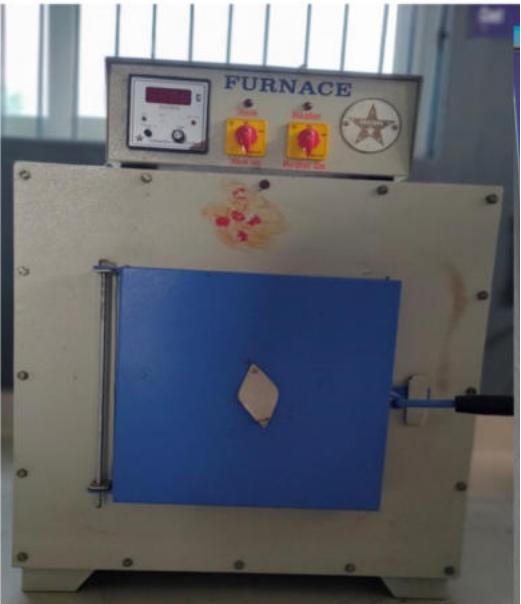


ANNAMACHARYA UNIVERSITY
CIVIL ENGINEERING DEPARTMENT

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.		<p>Hot Air Oven</p>	<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.		<p>Flume Hood</p>	<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.	 <p>DISSOLVED OXYGEN METER</p>	<p>Dissolved Oxygen Meter</p>	<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.	 <p>COD EXTRACTOR Specifications</p> <p>No. of Flasks = 06 Flask capacity = 250 ml Bulb condenser = Borosil glass Power = 220 to 230 V AC, 4 phases, 50 Hz AC Make = Haslab Cost = Rs. 17,512/-</p>	<p>COD Extractor</p>	<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: ±0.5°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/-

