

Department Of Civil Engineering

ENVIRONMENTAL ENGG. LABORATORY

Environmental is a branch of engineering concerned with the application of scientific and engineering principles, and technology that addresses the issue of energy preservation, production asset and control of waste from human and animal activities.

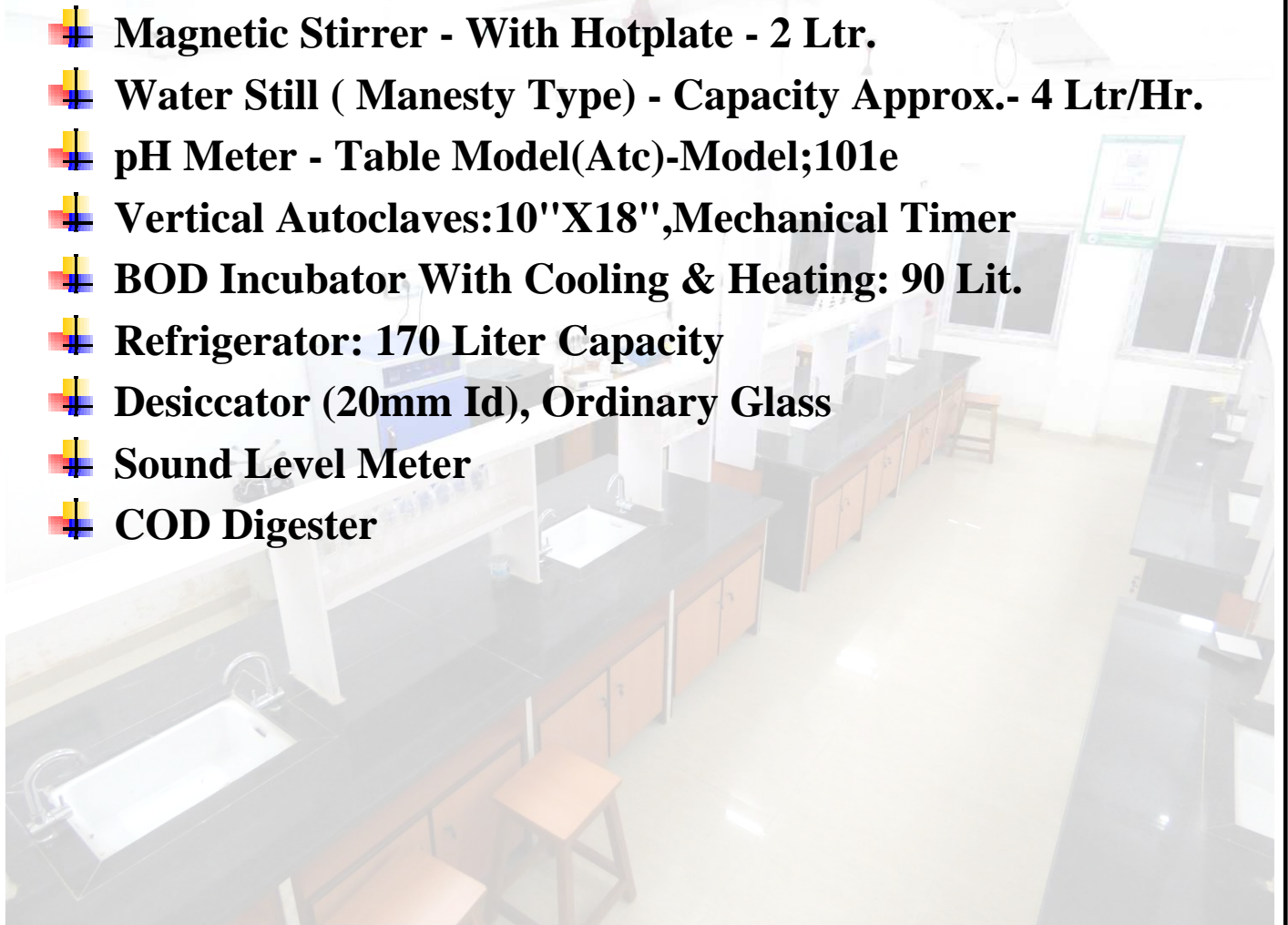


List of Experiment:-

- ✚ Determination of Alkalinity in water
- ✚ Determination of Hardness in water
- ✚ Determination of pH in water
- ✚ Determination of Turbidity in water
- ✚ Determination of Optimum dose of coagulant by using Jar Test Apparatus
- ✚ Determination of Residual chlorine in water
- ✚ Solid Waste : Determination of pH
- ✚ Solid Waste :Determination of moisture content
- ✚ Most probable Number
- ✚ Determination of chlorides in water
- ✚ Measurement of Noise level
- ✚ Determination of chlorides of sewage.
- ✚ Determination of pH of sewage
- ✚ Determination of Total Solids, suspended solids, dissolved solids, volatile solids
- ✚ Determination of Dissolved oxygen
- ✚ Determination of Bio chemical Oxygen Demand of sewage sample
- ✚ Determination of Chemical Oxygen Demand of sewage sample
- ✚ To find Sludge Volume Index (SVI) of sewage sample.
- ✚ Measurement of air quality standard by High volume sampler
- ✚ Plumbing demonstration of accessories, fittings and fixtures.

List of Instruments:-

- + Hardness Test Kit**
- + Alkalinity Of Water Test Kit**
- + Jar Test Apparatus**
- + Turbidity In Water Test Apparatus**
- + Balance Electronic - 200 Gm X 0.001 G (1 Mg) - Sab – 203**
- + Magnetic Stirrer - With Hotplate - 2 Ltr.**
- + Water Still (Manesty Type) - Capacity Approx.- 4 Ltr/Hr.**
- + pH Meter - Table Model(Atc)-Model;101e**
- + Vertical Autoclaves:10"X18",Mechanical Timer**
- + BOD Incubator With Cooling & Heating: 90 Lit.**
- + Refrigerator: 170 Liter Capacity**
- + Desiccator (20mm Id), Ordinary Glass**
- + Sound Level Meter**
- + COD Digester**



Instruments Picture:-

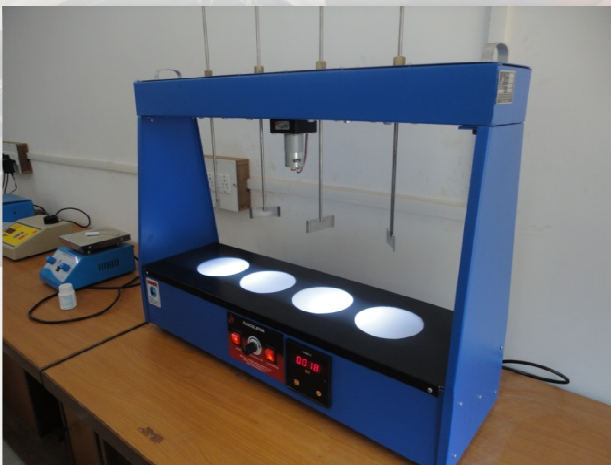
Autoclave



B.O.D. Incubator



Jar Test Apparatus



Magnetic Stirrer with Hot Plate



Electronic Balance (0.001G)



Refrigerator



Water Still



pH Meter



TURBIDITY IN WATER TEST APPARATUS

