

## Infrastructure/Lab Facility (Current Status)

S. No.	Instrument	Purpose
1.	Dionex Ion Chromatography	Analysis of common anions and cations
2.	Metrohm ion meter	Analysis of common anions and cations including fluoride
3.	UV-VIS Spectrophotometer	Metals, ions and organics
4.	Carbon dioxide monitor	Measurement of CO <sub>2</sub> in ambient air
5.	Dissolved oxygen (DO) and reduction potential (RP) meter	DO and RP measurement of water
6.	pH, EC and TDS meter	pH, EC and TDS analysis of water
7.	Bacterial incubator	Incubation of bacteria
8.	Bactaslide Plate	Determination of microbes
9.	Air sampler	Collection of fine and coarse particulates
10.	COD meter	COD analysis of waste water
11.	Sound meter	Sound measurement in air
12.	Calorimeter	Measurement of heat value of fuels
13.	Ultrasonic bath	Solution preparation
14.	Flame photometer	Determination of Na, K and Ca
15.	Turbidity meter	Determination of sulfate
16.	Meteorological sensors	Measurement of wind speed & direction, temperature and humidity
17.	Portable coulometers	Silica, Phosphate, Iron, Chlorine, Ammonia, Alkalinity and color
18.	Rotatory shaker	Extraction of analysts from solid matrix
19.	Deep freezer	Sample storage
20.	Mettler Electronic balance	Weighing of sample at microgram levels
21.	Water purification system	Preparation of ultra-pure water
22.	Hot Air Oven	Digestion for samples