Department of Chemical Engineering

Infrastructure and Facilities

Sl. No.	Name of Laboratory	Carpet Area (Sq.mt.)	Major Equipments available	Total Investment till Date in Lakhs
1	Chemical R & D Lab.	34.20	Online Nitrate/COD/BOD/TOC analyzer, UV spectrophotometer , Weigh balance, shaker, oven, Autoclave, ,Cooling centrifuge, Peristaltic pump, Incubator shaker, compressor, laminar flow chamber, draft tube reactor, DO meter, digital pipette. Resipirable dust particle and fine particle monitoring, gaseous monitoring.	19,70,000.00
2	Mechanical Operation Lab	93.10	Ball Mill, Thickener/Clarifier, Plate & Frame Filter, Jaw Crusher, Cyclone Separator, Air elutriator, Sieve shakers, Vacuum leaf filter, Drop weight crusher.	5,23,170.00
3	Momentum transfer Lab	66.50	Reynolds Apparatus, Reciprocating Pump Test Rig, Flow through Venturimeter /Orifice meter, Pitot Tube Apparatus, Centrifugal Pump Test Rig.	3,80,265.00
4	Heat Transfer Lab	102.62	Mini Steam Generator, Double Pipe Heat Exchanger, Cross Flow Heat Exchanger, Agitated Vessel, Heat Transfer through Lagged Pipe, Emissivity Measurement Apparatus, Helical coil, unsteady state, Fins, Thermal conductivity of liquids, Boltzmann apparatus	4,40,812.00
5	Mass Transfer Lab & Inst. Analysis Lab	118.75	Cooling Tower, Tray Dryer, Vapor in Air Diffusion Apparatus, Wetted Wall Column, Vapor liquid equilibrium, Ion Analyzer with 04 electrodes, Bomb Calorimeter, Flame Photometer, K. F. Autotirator, Turbidity Meter M V. Traitor, Horizontal Rotary Shaker .B.O.D. Incubator Dust Sampler (Air Monitoring), Stack monitoring.	11,14,127.00
6	Chemical Engineering Reaction & Pollution Control Lab	118.75	RTD Studies in PFTR, Isothermal Semi Batch Reactor, RTD Studies in CSTR, Adiabatic Batch Reactor, Packed bed non catalytic reactor, Continuous Stirred Tank Reactor, B.O.D. Incubator Dust Sampler (Air Monitoring), Stack monitoring.	3,41,353.00
7	Process Control Lab	43.70	Heat Exchanger Computerized Flow Control Trainer, Level Control Trainer, Pressure Control Trainer, Temperature Control Trainer, Control Valve Characteristics., I & II order System, Temperature measurement.	8,11,864.00