

KCE-652 Environmental Engineering Lab

S.No.	Name of major equipment/setup
1	BOD incubator
2	Conductivity Meter
3	Cyber scan PH Meter
4	Digital electronic Balance
5	NSW Vertical Autoclave
6	Turbidity meter

LIST OF EXPERIMENTS
KCE- 652 ENVIRONMENTAL ENGINEERING LAB

PART -A (To be performed in lab)

1. Determination of turbidity and conductivity.
2. Determination of pH, alkalinity and acidity.
3. Determination of hardness and chlorides.
4. Determination of residual chlorine.
5. Determination of MPN (most probable number) of coliforms.
6. Measurement of SPM and PM10 with high volume sampler.
7. Measurement of sound level with sound level meter.
8. Determination of total, suspended and dissolved solids.
9. Determination of BOD.
10. Determination of COD.
11. Determination of Kjeldahl nitrogen.
12. Determination of fluoride.
13. Determination of optimum dose of coagulants by Jar Test Apparatus.
14. Field Visit of Water/ Sewage Treatment Plant in a nearby area.

Note:

- 1. Experiment at S.NO. 14 is mandatory.**
- 2. Any 8 Experiments out of the S.NO 1 to 13 are to be performed.**

PART B

1. It is mandatory to perform experiments using a virtual lab wherever applicable.
2. Relevant specifications and IS codes must be studied.