

EN607 – Solar and Environmental Engineering Laboratory

LIST OF FACILITIES

1. Pyranometer (Make - Kipp & Zonen) (Model - CM11 & CMP 22).
2. Shadow ring (Make - Kipp & Zonen) (Model - CM 1218).
3. Sunshine recorder.
4. PAR sensor (Measuring range - 400 to 700 nm) (Make - HydroLab).
5. UV Radiometer (Make - Kipp & Zonen).
6. Yokogawa Data Logger (GX 20).
7. Fluke Ti32 Thermal Imager.
8. MECO PV System Analyzer (9018BT).
9. AMPROBE Solar Analyzer (SOLAR - 600).
10. Solar Flat Plate Collector.
11. Evacuated Tube Collector.
12. Solar Stills (Conventional, stepped and modified) with various designs of covers.
13. Solar box type cooker.
14. Solar Chimney.
15. 7.5 kW PV panel system.
16. Cylindrical Parabolic collectors (5 nos.).
17. pH – pH meter (Eutech instruments pH-700).
18. COD – COD digester (Spectroquant® TR 420).
19. UV Spectrophotometer (Spectroquant® Pharo 300).
20. BOD – BOD machine pressure sensor (BOD Track II, Hach), BOD incubator (Bio-Cane™).
21. DO – DO meter (Make & Model - Hach SC2000).
22. Electrical conductivity – conductivity meter (Make & Model - Eutech Instruments, CON 700).
23. Luminous efficacy – Lux meter (Make & Model - Luminox LT100).
24. Noise level – Noise dosimeter (Make & Model - Larson Dairs, Spark 706RC).
25. Fine dust sampler - Envirotech (APM460BL).
26. Water quality analyzer (Make & Model - Hach DS5 Hydrolab).
27. Water photometer (Make - Water ID).