Technical Specification
UV-Vis Spectrophotometer
Optical Design: Double Beam with sample and reference cuvette positions; Czerny-Turner Monochromator
Spectral Bandwidth: 1 nm
Light Source: Xenon flash lamp or similar with atleast 3-year warranty
Detector: Dual Silicon Photodiodes
Wavelength Range: 190 –1100 nm
Wavelength Accuracy: ± 0.5 nm (541.9, 546.1 nm mercury line) ± 0.8 nm (full range)
Wavelength Reproducibility: ≤ 0.05 nm (546.1 nm mercury line, SD of 10 measurements)
Scanning Speed: <1 to 5000 nm/min or better ; continuously variable
Slew Speed: 25,000nm/min or better
Photometric Range ≥ 3.5 Abs
Should Include:
a. Software for Computer Control and off-line data analysis
b. USB Memory Device
c. A pair of Quartz cuvetter with 10 mm path length and 3.5 ml volume
d. Free of cost Installation and demonstration at site
e. Full Range Scanning