

## **CW Near Infrared tuneable diode laser absorption set up**

External-cavity diode laser (ECDL) based continuous wave tuneable diode laser absorption spectrometer (cw-TDLAS) have recently been developed to carry out various molecular spectroscopic investigations, spectral line shape studies etc. The cw-TDLAS set up coupled with white type absorption cell is capable of recording the spectrum of gaseous sample at low molecular pressure in 1520 nm–1640 nm region at step size of 0.008 nm. Its properties such as narrow line width, tuneability and stability make this ideal source for optical absorption spectroscopy for various atmospheric and astrophysical significant molecules.

