

Equipment list for the project: Development of a Mid –IR Cavity Ring-Down spectrometer for High-Precision Real-Time Continuous Monitoring of Multiple Trace Gases and Stable Isotopic species in the Atmosphere

Sl. No.	Name of the equipment
1.	QCL Tunable Laser with controller unit
2.	Mid –IR delector with controller and power supply
3.	Cavity Ring-down cell components and mid-IR high reflectivity mirrors
4.	Piezoelectric Actuators(PZT), Piezo Controller and associated driver electronics
5.	Mid-IR acousto Optic Modulator (AOM) with driver electronics
6.	Off-axis parabolic mirrors (OAPMs) in the mid-IR
7.	Vacuum pump, pressure gauge, display and control unit for Ring-down cavity