

S. No	Name of the Equipment	Quantity (nos.)	Capacity	Purpose	Location	Prof. Incharge for the equipment
1	Shimadzu Servo Hydraulic Actuator	1	100 kN	To apply static and cyclic vertical load (both displacement control and stress control modes) on large soil beds	Advanced Geotechnical Engineering Laboratory	Dasaka S. Murty
2	Cyclic triaxial facility (hydraulic based)	1	50 kN	To conduct static and cyclic triaxial tests on soil and asphalt samples of 100 mm diameter and 200 mm height		
3	Pore pressure transducer	5	350 kPa	To measure pore water pressure in soils		
4	LVDT	4	25 and 50 mm	To measure surface deformations/settlements etc., in model tests		
5	Accelerometer	4		To measure accelerations in soils or in model studies		
6	Earth pressure transducers	5	200 kPa	To measure the soil pressures in large test setups		
7	Earth pressure transducers	6	200 kPa	To measure the soil pressures in large test setups		
8	Laser displacement transducers	2	20-100 mm	To measure surface deformations without contacting the material surface		
9	Data logger (8 channels)	2	16 sensors	To log electrical signals from the various sensors		

10	Catman Easy software	2		To log the data from HBM datalogger and it also usefull for coverting electrical signals to engineering signals		
11	Power controlled soldering kit	1		Temperature controlled soldering kit with pointed and flat tips		