

Major Equipment

Sl.No.	Name of the Equipment
Existing Equipment	
1.	Experimental Setup for Pullout Tests on Granular Pile Anchors
2.	Experimental Setup for Pullout Tests on Geosynthetic Reinforced Soil Slopes
3.	Triaxial Compression Testing Machine
4.	Pore Pressure Measurement Apparatus
5.	Sensitive Volume Change Measurement Apparatus
6.	Direct Shear Testing Machine
7.	Relative Density Test Apparatus
8.	Unconfined Compression Testing Machine
9.	Universal Automatic Compactor
10.	Consolidation Testing Machine
11.	California Bearing Ratio (CBR) Testing Machine
12.	Vane Shear Test Apparatus
Proposed Equipment	
1.	Swelling Pressure By Constant Volume Method Apparatus
2.	Digital Consolidation Apparatus (3 Gang)
3.	Lateral Pressure Assembly
4.	Compression Load Cell with Digital Indicator Unit
5.	Compression cum Tension Load Cell
6.	Hydraulic Extruder, Hand Operated
7.	Sampling Tubes – 38 mm Inner Diameter
8.	Sampling Tubes – 50 mm Inner Diameter

9.	LVDT – 100 mm
10.	LVDT – 50 mm
11.	LVDT – 25 mm
12.	Remotely Hand Operated Hydraulic Jack with Pumping Unit – 10 ton Capacity
13.	Remotely Hand Operated Hydraulic Jack with Pumping Unit – 200 ton Capacity
14.	DT 85G Series 3 – 8 channel Geotechnical Data Logger
15.	Vacuum Pump/De Airing System
16.	Portable Swelling Pressure and Heave Evaluating Apparatus (Digital)
17.	Desiccator
18.	Air Compressor – 10 kg/sq.m.
19.	Standard Penetration Test Apparatus
20.	Miscellaneous Equipment

Photographs



Experimental Setup for Pullout Tests on Granular Pile Anchors



Experimental Setup for Pullout Tests on Geosynthetic Reinforced Soil Slopes



Triaxial Compression Testing Machine with Pore Pressure Measurement