

**Name of Lab: - Geotechnical Engineering Lab**

**Name of Lab In charge: - Prof. Danish Ali**

**Name of Lab Assistant: - Mr. Patil V.B.**

Geotechnical Engineering lab is used for performing practicals on soil which is very important for designing of foundation of any civil Engineering structure. In Geotechnical Engineering lab we find all physical and other properties of soil by performing Practical's provided by syllabus through MSBTE.

### **Maharashtra State Board of Technical Education**

#### **Equipment List**

**Name of Lab: Geo-Technology Engineering Lab**

**Particulars:** Specifications of Major/essential Equipment required for conduction of practical as per curriculum

<b>Sr. No</b>	<b>Particulars</b>	<b>No of Available</b>	<b>Cost</b>
1	C.B.R. Testing Machine <b>Specification:</b> capacity 50Kn, Low rates of travel of 1.25, 1.5, 2.5mm/min.	1	Rs.39500/-
2	Dial Gauge	1	Rs.4800/-
3	Direct Shear Apparatus <b>Specification:-</b> displacement sensor range 19.99mm Load cell, mode of digital display, 3 channel digital digital indicator. electronic outfit for in place of providing ring and dial gauge.	1	Rs.152632/-
4	Electronic Balance	1	Rs.8820/-
5	Hot Air Oven	1	Rs.23893/-
6	Liquid Limit Device	2	Rs.13440/-
7	Load Frame	1	Rs.32500/-

8	Permeability Apparatus	1	Rs.45000/-
9	Core Cutter	2	Rs.4100/-
10	Triaxial Shear Test Apparatus <b>Specification:</b> Triaxial cell IS 2720 for dia 38mm Loading pad made of prefix for 38mm dia for specimens. Pairs of plain disc made of Perspex X38mm dia 6mmtk	1	Rs.185000/-
<b>Total Cost</b>			<b>Rs.509685/-</b>

Lab In charge

HOD