



**KSSEM**  
K.S. SCHOOL OF ENGINEERING AND MANAGEMENT

# K. S. GROUP OF INSTITUTIONS

K.S. SCHOOL OF ENGINEERING AND MANAGEMENT, BENGALURU-109

## Department of Civil Engineering

Laboratory Name: **Geotechnical Engineering Lab**

Faculty Incharge: **Dr. Arekal Vijay**

Instructor: **Mr. Kantharaju M J**

Lab Area: **183.8 sq.m**

Sl.No	Major Equipment	No
1	Electronic Triaxial Test Apparatus: Load frame motorized 50KN <ul style="list-style-type: none"><li>• Triaxial Cell Compensating Pressure Apparatus (Oil &amp; Water Type)</li><li>• Pressure gauge 50-1000 KPa</li><li>• HS 28.585</li><li>• Electronic kit for triaxial test instrument consisting of 3 channel digital indicator 10KN.</li></ul>	1
2	Bench Type Consolidometer	1
3	Hydraulic Extruder: Sample eject 5000 Hydraulic Sample Extruder Electrical cum Hand operator	1
4	Direct Shear Apparatus: Motorized 12 Speed Supplied complete with proving ring & 2nos of dial gauge of 0.01X 25mm with Electric Kit HS 25.515.1	1
5	Unconfined Compression Test Apparatus: HS 22.15 (Motorized Supplied complete with proving ring dial gauge).	1
6	Universal Combination Permeameter	
7	Electronic Balance 100Kg Capacity 10gm reliability, Platform Size 450X550mm	1
8	HOS Lab Electric Oven with Digital Indicator 450X450X450mm	2
9	Coarse Sieve Shaker & Fine Sieve Shaker: Motorized	1Each
10	Liquid Limit Cone Penetrometer: Automatic digital new model	1
11	Swell Pressure Test Apparatus	1