



MANIPAL UNIVERSITY JAIPUR

School of Civil and Chemical Engineering

Department of Civil Engineering

Lab & Equipment Details (Geotechnical Engg. Lab)

Name of Laboratory	Geotechnical Engineering Lab
Lab Description	The provide hand on practice experience to conduct quality research and foster them to learn by doing methodology. Students learn to wide range of test from basic soil properties to advance tests related to soil strength and bearing capacity.
Lab Resources	<ol style="list-style-type: none"> 1. Balance Weighing Machine 2. Compaction Test Apparatus 3. CBR Test Apparatus 4. Core Cutter with Rammers 5. Direct Shear Test Apparatus (Motorized) 6. Hot Air Oven 7. Hydro Meter 8. Liquid Limit Cone Penetrometer 9. Liquid Limit Device Motorized 10. Plastic Limit Apparatus 11. Sand Pouring Cylinder 12. Shrinkage Limit Apparatus 13. Sieve Shaker Motorized 14. Three Gang Bench Type Consolidometer 15. Triaxial Test Apparatus 16. Rapid Moisture Meter 17. Unconfined Compression Apparatus 18. Vane-Shear Apparatus 19. pH meter 20. Standard Penetration Test Apparatus with Assembly 21. Scientific Instruments Hydraulic Extruder 22. Relative Density Test Apparatus 23. Mould For Relative Density Apparatus 24. Soil Cone Penetrometer 25. Permeability Apparatus of Soil 26. CBR Mould AS per IS Code