

The Material Testing Institute (MTI) has various engineering laboratory equipment in The Department of Civil Engineering LG14. Quality Assurance test for the following fields can be done in the Lab:

Road Engineering

Foundation Engineering

Building Engineering

Equipment	Name of Course	Workshop Practice	Structural Concrete Design	Construction Material Engineering	Geotechnical Engineering	Structural Design of Steel and Timber	Pavement Technology	Reinforced Concrete Design	Pavement Design
SOIL MECHANICS AND FOUNDATION ENGINEERING -Laboratory Tests-									
Sieve Analysis		√		√	√		√		
Liquid Limit Device		√		√	√		√		
Triaxial Testing Equipment		√		√	√		√		
Oedometer (Consolidation Test)		√		√	√		√		
Direct Shearbox Test		√		√	√		√		
Standpipe Permeability Test Cell		√		√	√		√		
Permeability Test Set (Old)		√		√	√		√		
Universal Soil Compactor/ Universal Extruder		√		hfg	√		√		√
CBR Test Machine (CBR Press)		√		√	√		√		√
Sand Equivalent Test Set		√	√	√	√		√		
SOIL MECHANICS AND FOUNDATION ENGINEERING - In-situ Tests -									
Balloon Density Apparatus (Density)		√		√	√		√		
Static Plate Bearing Test		√		√	√		√		
Dynamic Plate Bearing Apparatus		√		√	√		√		
Dynamic Cone Penetration metre (DCP: 1 & 2 m)		√		√	√		√		√
AGGREGATES									
Flakiness Index		√	√	√	√		√		
Los Angeles		√	√	√	√		√		
Methylenblue-test		√	√	√	√		√		
BITUMEN AND BITUMINOUS MIXTURES									
Ring and Ball		√		√			√		
Penetration test		√		√			√		

Marshal Test Equipment	√		√			√		
Marshall Compactor	√		√			√		√
Ring and Ball	√		√			√		
Penetration Test	√		√			√		
ROAD PAVEMENTS								
Beckelman Beam	√					√		
CONCRETE AND ARTIFICIAL STONES								
Air Entrainment Meter	√	√	√			√		
Compressive Test machines	√	√	√	√	√	√	√	
Compressometer (Strain Characteristics)	√	√	√			√		
CONSISTENCY								
Slump	√	√	√			√	√	
Flow Table	√	√	√			√	√	
Cylinder Capping Frame	√	√	√			√		
Consistency Container	√	√	√			√	√	
Rebound Hummer (according to Schmidt)	√	√	√			√		