

Geotechnical Investigation

MATERIAL TESTING LABORATORY



Noble Geo-Structs Pvt. Ltd. is a leading Geotechnical Consulting and contracting firm. The range of our services, quality engineering and competitive prices have made us one of the fastest growing companies of its kind in India.

The insitu tests that yield the parameters that are characteristic of insitu state of stress and more realistic are realized from the field tests.

Tests performed on soil samples are listed next

California Bearing Ratio	Specific Gravity
Consolidation Test	Standard Proctor Compaction Test MDD
Density of core cutter	Standard Proctor Compaction Test OMC
Direct Shear	Triaxial Consolidated Drained - C
Free Swell Index	Triaxial Consolidated Drained- Angle
Grain Size Analysis	Triaxial consolidated undrained- Angle
Grain Size Analysis - Hydrometer Method	Triaxial consolidated undrained- C
Liquid Limit	Triaxial Unconsolidated Undrained - C
Modified Proctor Compaction Test MDD	Triaxial Unconsolidated Undrained -Angle
Modified Proctor Compaction Test OMC	Unconfined Compressive Strength
Plastic Limit	Vane Shear Test
Shrinkage Limit	Water Content

Tests performed on rock samples are listed next

Dry Density	Tensile Strength
Point Load Index	Unconfined Compressive Strength
Poissons Ratio	Water Absorption
Porosity	Young Modulus
Specific Gravity	Petrographic analysis

The chemical tests are listed next

pH	Organic matter
Chloride content	Hardness
Sulphate content	Mineralogic analysis

The Geofabric test are listed next

Grab tensile	Aperture opening size
Mass per unit area	Friction
Puncture strength	Thickness

The reinforced concrete projects include the following:

Slab load test	Crushing strength
Girder load test	Mix Design
Reinforcement bar test	Cement test

Tests performed on aggregates are listed next

Fine aggregates	Coarse aggregates
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Tests performed on building material are listed next

Burnt Clay Bricks Compressive strength	Hardened Concrete Compressive strength
Burnt Clay Bricks Dimension	Concrete Paving Blocks Compressive strength
Burnt Clay Bricks Efflorescence	Concrete Paving Blocks Dimension
Burnt Clay Bricks Water Absorption	Concrete Paving Blocks Water absorption



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