

Falcon Industrial Testing Laboratory Pvt Ltd

is a professional testing center for building materials and Soil since 2010.

Falcon lab undertake Quality Consultancy works on Buildings / Infrastructures / Road Works / Heavy Concrete Structures, Soil SPT Test for Foundation Recommendation, etc.



Building Materials & Soil Testing

FALCON INDUSTRIAL TESTING LABORATORY PVT LTD.

FALCON INDUSTRIAL TESTING LABORATORY PVT LTD

is accredited by National Accreditation Board for Testing and Calibration Laboratories (NABL), Govt of India, in discipline of Mechanical in accordance with the ISO/IEC 17025:2017



Contact us today @ +91 72000 96379 for all your Materials testing needs

EQUIPMENT FACILITIES

Laboratory is well equipped with all equipments to carry out all Testing of Soil / Building Materials / Concrete / Aggregate Test / NDT (Rebound Hammer, UPV etc, Concrete Core).

All equipments are calibrated and well maintained.

Our team is well experienced and trained to handle all equipment carefully to establish the reliable and accurate results.



TRAINING PROGRAMME

Training Programme will be undertaken on "Building Materials Testing / Concrete NDT / Soil Testing for Any Degree / Dip. / B.E. / M.E. Civil etc".

LEVEL 1

BUILDING MATERIALS TESTING TRAINING PROGRAMME (CIVIL)

LEVEL 2

NON DESTRUCTIVE TESTING PROGRAMME (CIVIL)

LEVEL 3

SOIL PROPERTIES TESTING PROGRAMME (CIVIL)

LABORATORY TESTING SERVICES



ROAD WORK TESTING

- GSB all test
- WMM all test
- WBM all Test
- Existing Pavement Investigation thru Test Pits
- Soil Compaction, Onsite Lab Set up
- Borrow Area Soil Sample Analysis



BRICKS TEST

- Red burnt clay bricks
- Fly ash bricks



NDT TEST

- Rebound Hammer Test
- Ultrasonic Pulse Velocity Test
- Reinforcement Scanning for Checking the Cover meter
- Carbonation Test on Concrete
- Chloride Test on Concrete
- Concrete Core Test



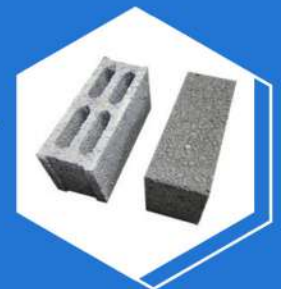
CONCRETE TESTING

- Concrete Cubes / Slump Test
- Concrete Design Mix upto M80 Grade of Concrete
- Concrete Core Test
- Flexural Strength of Concrete Beams

- Concrete cube Test by ACT Method i.e. (Accelerated Curing Test)
- Aggregate all Testing including Physical and Chemical properties

BLOCKS TEST

- Solid blocks
- Hollow blocks
- Paver blocks
- AAC (Aerated concrete blocks)
- CC (Cellular Concrete Products) Blocks



CONSULTANCY WORKS / ONSITE TEST SERVICES

■ Onsite Quality Control /Quality Assurance (QC) Works - Supervising the Site activities day by day and testing of materials, execution, Checking of reinforcement.

■ Onsite QC/QA Works for Construction of Finishing Works on Residential /Commercial Building etc.

■ Road Projects Works such as Soil Compaction test, Soil Analysis test, Pavement Pit Excavation to analysis the existing properties of soil, aggregate etc. Borrow Area sample analysis, suitability of Backfilling, Concrete Core and Soil Core Test etc.

■ Collection and Laboratory Testing of materials and pavement investigation thru Test Pits.

■ Onsite Laboratory on (Soil and Concrete) will be set up and operate by us to the specific requirements.

■ Structural assessment for Old and New Building according to specific and codal requirements thru NDT such as Rebound Hammer, UPV Test, Rebar Locator for scanning the reinforcement placement.

■ Soil Strengthening / Stabilization of Existing Soils / Soil Treatments by taking Soil Compaction Test and Analysis of Soil Properties such as CBR /UCC Test.

■ Government Projects undertaken for Testing of Soil, Concrete Cube, Materials Test, NDT etc.

■ Research Projects in Latest Development of Concrete additives such as Mineral and Chemical Admixtures in Concrete etc.

■ B.E / B.Tech (Civil) and M.E /M.Tech (Civil), Major Projects are undertaken along with Technical guidance.



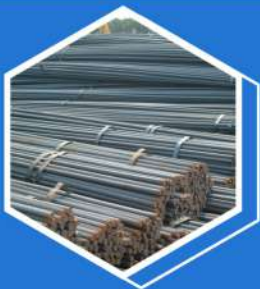
WATER TEST

- Construction purpose
- Drinking & Microbiological



MECHANICAL TESTING

- Reinforcement steel
- Structural steel
- Welded steel



CEMENT TEST / FLYASH TESTING / MINERAL / CHEMICAL ADMIXTURES

- Physical and Chemical Testing
- Chemical Admixture - for Uniformity Tests and Requirements
- Physical Properties on Mineral admixtures and Chemical Admixtures



TILES TEST

- Dimension
- Squareness, Rectangularity Test
- Water Absorption
- Flexural Strength
- Breaking Strength
- Hardness Test



SOIL TEST

- Soil SBC-(Safe Bearing Capacity) for foundation recommendation in Chennai and Tamilnadu.
- Soil Core Cutting test, Sand Replacement Test
- Proctor Density Test
- Soil CBR Test, Unconfined Compressive Strength Test (UCC)
- Sand replacement test
- Soil CBR Test, Unconfined Compressive Strength Test (UCC)
- Soil properties Test such as Sieve Analysis, Specific Gravity, Free Swell Index, Atterberg limits etc

OUR CLIENTS



CONTACT US

For All Building Materials /Soil Testing / NDT related

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