



NABL Accredited Testing Laboratory Vide Certificate Number TC - 9284

**SOIL INVESTIGATION & SOIL, ROCK,
BUILDING MATERIALS LABORATORY**

COMPANY PROFILE



**Address : Office & Lab -
Coimbatore, Tamil Nadu**



www.soiltests.in



National Accreditation Board for
Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

V.K.P. GEOTECH

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

**"General Requirements for the Competence of Testing &
Calibration Laboratories"**

for its facilities at

NO: 20, 2 ND CROSS, 1ST MAIN ROAD, SRP NAGAR, COIMBATORE, TAMIL NADU, INDIA

in the field of

TESTING

Certificate Number: TC-9284

Issue Date: 01/03/2025

Valid Until: 28/02/2029

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.
(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Name of Legal Entity: V.K.P.GEOTECH

Signed for and on behalf of NABL




Anuja Anand
Director


N. Venkateswaran
Chief Executive Officer

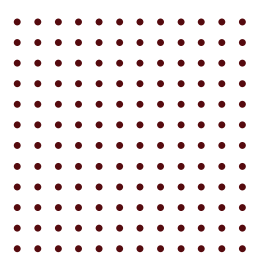
Our business was founded in 2011 with the primary goal of providing geotechnical consultancy services. For both private and public agencies, including **Highway, PWD, CPWD, MES, TNSCB, TNHB, TWAD, and DRDA**, we have performed soil exploration and laboratory work. In order to construct highway bridges, tanks, solar power plants, towers, chimneys, oil and gas pipeline projects, apartments, and buildings, we have worked with a large number of soil exploration, enhanced response technology (ERT), plate load testing, standard penetration testing, and drilling operations.

The **National Accreditation Board for Testing and Calibration Laboratories (NABL)** has granted our lab accreditation.

We have tested the soil for over 800 bridges, 100 towers, tanks, solar power plants, and 1500 buildings.

More than 100 laboratory tests are being conducted on soil, rock, and building materials.

It gives us great pleasure to state that



VISION AND MISSION

MISSION

- We are dedicated to offering our clients competent, economical, and high-quality consulting services.
- Our goal is to become the name of the business that, both domestically and internationally, is synonymous with success in geotechnical engineering while maintaining the highest standards of customer care and accountability.
- Deliver top-notch services to satisfy client demands.
- Supply clients with Accurate, Dependable, and Timely Services
- Use genuine test processes to produce outcomes that are accurate.

VISION

- To be our clients' first option since our staff offers the best consulting services available.
- Our company is committed to providing high-quality services and upholding our clientele's expectations.
- Employee dedication to their jobs and achieving customer happiness are the cornerstones of business success.

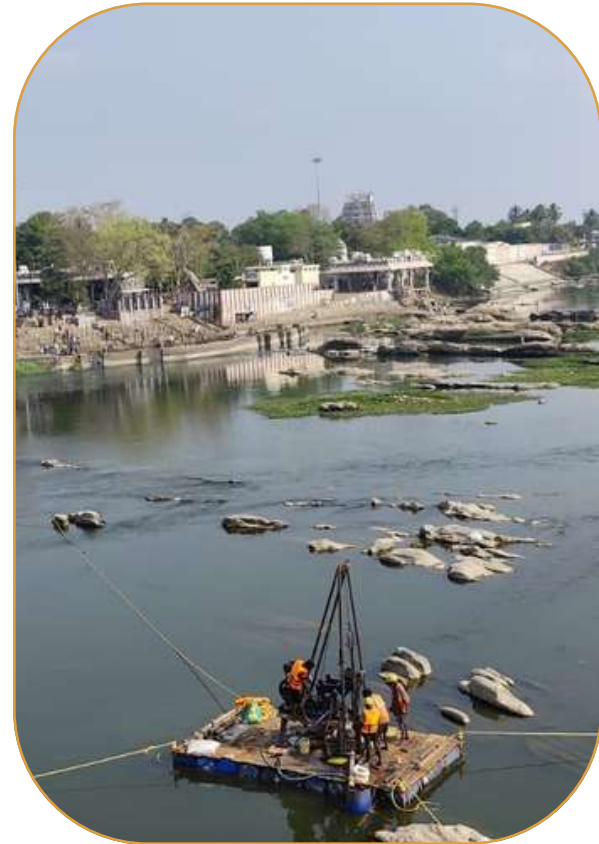
SERVICES

- **GEOTECHNICAL CONSULTANCY WORKS**
- **LABORATORY TESTING SERVICES**
- **FIELD TESTS**
- **REBOUND HAMMER TEST**
- **AUGER BORING**
- **DRILLING WORKS (VERTICAL, HORIZONTAL & CROSSHOLE)**
- **SURVEYING**
- **BRIDGE DESIGNING & ESTIMATE**
- **PREPARATION DPR WORKS**
- **GEOPHYSICAL SURVEY**
- **HYDROLOGICAL SURVEY**
- **EVALUATION OF LIQUEFACTION POTENTIAL**
- **NDT TESTS (CONCRETE)**



GEOTECHNICAL INVESTIGATION (ON-SHORE & OFF-SHORE) & IN-SITU TESTS

- Soil drilling with SPT and undisturbed sampling with borehole sizes
- of 75 mm, 100 mm, 125 mm and 150 mm diameter upto 300m depth.
- Rock core drilling for Open and Underground Mining of Ex, Ax, Bx, Nx, Hx, Px, AQ, BQ, NQ, HQ, PQ size.
- Trial Pits
- Standard Penetration Test
- In situ Soil & Rock Permeability Tests
- Plate Load Test
- Cyclic Plate Load Test
- Modulus of Subgrade Reaction (K Value)
- Field California Bearing Ratio Test
- Field Density Test
- Electrical Resistivity Test
- Peculation Test



NON - DESTRUCTIVE TESTING (NDT)



- Rebound Hammer Test
- Carbonation Test

MECHANICAL TESTING - SOIL

- Sieve Analysis
- Particle Size Analysis by Hydrometer
- Specific gravity
- Natural Moisture Content
- Liquid Limit
- Plastic Limit
- Shrinkage limit
- Free Swell Index
- Light Compaction Test (Maximum Dry Density & Optimum Moisture Content)
- Heavy Compaction Test (Maximum Dry Density & Optimum Moisture Content)



- Triaxial Compression Test- Unconsolidated Undrained (UU)
- Triaxial Compression Test-Consolidated Undrained (CU) with Pore Pressure Measurement
- Triaxial Compression Test-Consolidated Drained (CD)
- California Bearing Ratio (Lab CBR) Soak & Unsoaked
- Unconfined Compressive Strength of Soil

MECHANICAL TESTING - SOIL

- Direct Shear Test
- Consolidation Test
- Swelling Pressure Test
- Silt Factor
- Permeability by Constant head
- Permeability by Falling head



MECHANICAL TESTING - BENTONITE



- Sand Content
- Swelling Power
- Moisture Content
- Fineness
- pH
- Liquid Limit - Casagrande method
- Specific Gravity

MECHANICAL TESTING - STABILIZED SOIL

- Natural Moisture Content
- Light Compaction Test (Maximum Dry Density & Optimum Moisture Content)
- Heavy Compaction Test (Maximum Dry Density & Optimum Moisture Content)
- Unconfined Compressive Strength of Soil



MECHANICAL TESTING - ROCK & BUILDING STONE

- Unconfined Compressive Strength
- Point Load Strength Index
- Water Absorption
- Porosity
- Water Content
- Dry Density, Bulk Density, Relative density
- Specific Gravity
- Rock Slake Durability Index



COARSE AGGREGATES



- Elongation, Flakiness Index
- Sieve Analysis
- Specific Gravity
- Water absorption
- Moisture content
- Soundness by Chloride & Sulphate
- Bulk Density
- Impact Value
- 10 percent Fines Value
- Crushing Value

CEMENT (OPC, PPC, SRC, PSC)

- Compressive Strength
- Consistency Test
- Initial & Final Setting Time
- Density of Cement/Specific Gravity



FINE AGGREGATES

- Sieve Analysis
- Specific Gravity
- Water absorption
- Silt Content (Finer than 75 micron)
- Moisture content
- Soundness by Chloride & Sulphate
- Bulk Density



CONCRETE CUBES



- Compressive Strength of Concrete Cube
- Density of Concrete Cube
- Compressive Strength of Concrete Cube Core Cutter
- Slump Cone Test
- Carbonation Test

TIMBER & PLYWOOD

- Moisture Content
- Specific Gravity
- Density (In Plywood)
- Moisture Content (In Plywood)



BRICKS(BURNT CLAY BUILDING BRICKS / PULVERIZED FUEL - ASH-LIME BRICKS

- Dimension (Height, Length, Width)
- Water absorption
- Compressive Strength
- Efflorescence



AAC BLOCKS



- Dimension (Height, Length, Width)
- Moisture Content
- Compressive Strength (150X150X150)
- Bulk Density
- Drying Shrinkage

PAVER BLOCKS

- Compressive Strength
- Water absorption
- Dimension (Height, Length, Width)



SUBGRADE FOR ROAD CONSTRUCTION - WMM

- Aggregate Impact Value
- Aggregate Wet Impact value
- Determination of 10% fines value
- Sieve Analysis
- Water Absorption
- Heavy Compaction (MDD & OMC)
- California Bearing Ratio
- Field Density by Sand Replacement Method
- Field moisture content & Density by Sand Replacement Method
- Elongation Test, Flakiness Index
- Soundness - Magnesium Sulphate, Sodium Sulphate



SUBGRADE FOR ROAD CONSTRUCTION - Granular Sub Base



- Aggregate Impact Value
- Aggregate Wet Impact value
- Determination of 10% fines value
- Sieve Analysis
- Water Absorption
- Heavy Compaction (MDD & OMC)
- California Bearing Ratio
- Field Density by Sand Replacement Method
- Field moisture content & Density by Sand Replacement Method

CHEMICAL TEST SOIL & ROCK

- pH Value
- Chloride Content
- Determination of Total Soluble sulphate content (as S_o ,)
- Determination of Total Soluble sulphate content (as SO_3)
- Organic Content (Mass Loss on Ignition) & Inorganic Content
- Organic Content & Inorganic Content
- Carbonate (as Co ,)
- Carbonate (as $CaCO$)
- Total Soluble Solids

CONSTRUCTION WATER



- pH
- Chloride Content
- Sulphate Content
- Organic Content
- Inorganic Content
- Total Dissolved Solids
- Total Suspended Solid



Various type of project in field test

- Plain Surface
- Water Bodies
- Hilly (Sloped) Area

Geotechnical Investigation of Residential, commercial , Apartment, Hospital



Geotechnical Investigation of Bridges , Flyovers, culvert, Gas Pipe line

Geotechnical Investigation of Permeability Test, Grouting works





Various type of project in field test

**Geotechnical Investigation of
Solar power Plant, Windmill,
chimney, Tower, water tank, Petrol
Bunk**



**Geotechnical Investigation of Tunnel
Drilling (Vertical, Horizontal, Inclined)**

NDT Test - Rebound Hammer Test

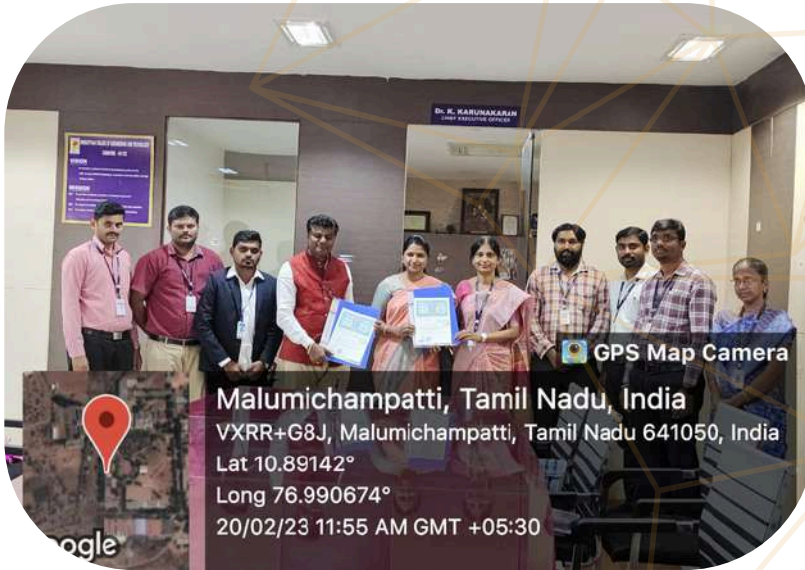


Various type of project in field test

- Plate Load Test
- Topographical
- Core cutter
- Percolation Tests
- Electrical Resistivity Tests



MEMORANDUM OF UNDERSTANDING



**Hindusthan College
of Engineering &
Technology**

**Akshaya College of
Engineering and
Technology**



**Sri Ranganathar
Institute of
Engineering and
Technology**

MEMORANDUM OF UNDERSTANDING

Karpagam College of Engineering



Sri Ramakrishna Engineering and Technology

Sri Krishna College of Engineering and Technology



INDUSTRIAL VISIT & GUEST LECTURE



CONTACT DETAILS



9442114108 , 9442114222, (0422) 4383993



vkpgeotech@gmail.com, vkpgeotechnabl@gmail.com



www.soiltests.in



Office & Lab : -
No 20, 2nd Cross,
1st Main Road, SRP Nagar,
Saibaba Colony,
Coimbatore

