






Why Choose Us?

-  **State-of-the-Art Laboratory**
Advanced equipment and experienced professionals.
-  **Accurate & Reliable Results**
Following ISO, ASTM, AASHTO, and BIS standards.
-  **Fast Turnaround Time**
Quick and efficient service delivery.
-  **On-Site Testing Services**
Convenient sample collection and mobile testing units.
-  **Certified & Accredited**
Ensuring compliance with industry regulations.

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THE
**LEADING
EDGE IN
SCIENCE**



**BUILDING MATERIAL and
COMPREHENSIVE
TESTING LABORATORY
"ENSURING STRENGTH,
SAFETY & QUALITY"**

7.0

About us

Welcome to Envitro Laboratories, your trusted partner in Building Material Testing & Geotechnical Investigations. We offer reliable, accurate, and standardized testing services to ensure your construction projects meet the highest quality and safety standards. With cutting-edge technology and experienced professionals, we provide fast and precise results to support your engineering decisions.

Our Services

We specialize in testing a wide range of building materials and other commodities for quality control, compliance, and certification.



1. Building Material Testing

We provide detailed analysis and certification for construction materials, ensuring compliance with international standards like Indian Standard

- Cement & Concrete Testing – Strength, durability, and performance testing.
- Fine Aggregate & Coarse Aggregate Testing – Particle size distribution, impact, and crushing resistance.
- Steel & Reinforcement Testing – Tensile strength, bend/rebend, and chemical composition.
- Bitumen & Asphalt Testing – Softening point, penetration, viscosity, and mix performance.
- Bricks, Blocks & Pavers Testing – Compressive strength, water absorption, and dimensional accuracy.
- Soil Testing (Lab testing) – Moisture content, C.B.R., compaction, Tri-axial Testing and Specific Gravity Etc.
- Soil Testing (Field Testing) – Field Density Test (Sand Replacement / Core Cutter Method) – Checks soil compaction Plate Load testing, Pile Pull Out testing Etc.

- Moisture Content Test** : Measures water content in soil for stability assessment
- Standard Penetration Test (SPT)** : Determines soil strength and density
- Drilling of Boreholes (Calex Type)** : For subsoil analysis and foundation design.
- Non-Destructive Testing (NDT)** : Rebound hammer, ultrasonic pulse velocity (UPV), and core cutting & Half Cell Potential Testing.



2. Mix Design Optimization

We provide customized mix design solutions for:

- Concrete & Cement – Ensuring optimal strength, durability, and workability.
- Cementitious & Stabilized Materials – Enhancing performance and sustainability.

3. Earth Resistivity Testing

Our Earth Resistivity Testing helps in:

- Assessing soil resistivity for grounding and electrical safety.
- Designing earthing systems for substations, towers, and infrastructure projects.
- Preventing corrosion in underground structures.



4. Geotechnical Investigation

We offer comprehensive site investigation services, including:

- Soil Bearing Capacity (SBC) Tests – To determine foundation suitability.
- Plate Load Tests & SPT (Standard Penetration Tests) – For structural stability analysis.
- Pile testing – Pile testing is conducted to assess the load-bearing capacity, integrity, and performance of foundation piles.
- Groundwater Level & Permeability Tests – For hydrogeological assessments.