



**CEG TEST HOUSE**  
AND RESEARCH CENTRE PVT. LTD.

- ◆ ISO 17025 / NABL ACCREDITED
- ◆ BIS RECOGNIZED
- ◆ ISO 9001, 14001 & 45001 CERTIFIED

## GEOTECHNICAL & GEOPHYSICAL INVESTIGATION (NABL Accredited)

Geotechnical Investigation Plays a major Role in dealing with the ground condition and its respective engineering parameters requires for various geotechnical design and recommendations in order to achieve sustainable infrastructure design & construction.

CEGTH-Geotechnical & Geophysical Division offers its Unique Comprehensive Services with its best-in-class laboratory infrastructure, own fleet of over 50 Hydraulic and Rotary Drilling Rigs & well qualified Geotechnical Engineers and Geologists. CEGTH uses gINT, ReSSA and many in house softwares to provide value added analytics and customized foundation system recommendations. Established in 1984, CEGTH is proud to be associated with over 10,000 projects across the globe.



### FIELD EXPLORATION

- Drilling in Soil & Rock (Auto Trip SPT)
- Permeability Test
- Block Vibration Test
- Static and Dynamic Cone Penetration Test (SCPT/DCPT)
- Piezocone Penetration Test (CPTu/eCPT)
- Vane Shear Test
- Plate Load Test
- Pump Out Test
- Pile Load Test

### GEOPHYSICAL AND SPECIALIZED SERVICES

- Pressuremeter Test (Menard & OY0)
- Cross Hole & Down Hole Seismic Survey
- Seismic Refraction Survey
- Electric Resistivity Test
- Ground Improvement
- Slope Stability Analysis
- Liquefaction Assessment

### LABORATORY TESTING (SOIL & ROCK)

- Strength Tests: Soil & Rock | Triaxial Test, Direct Shear Test
- Proctor Density Test
- Consolidation Tests
- Index Properties of soil
- Swelling Pressure
- California Bearing Ratio
- Cerchar Abrasion
- UCS & Point Load Test
- Modulus of Elasticity & Poisson Ratio
- Brazilian Strength
- Slake Durability
- Petrography
- Chemical Tests

**ISO/IEC 17025 NABL ACCREDITED FOR 500+ PARAMETERS (Both Field & Lab)**

**TESTING | TECHNICAL ADVISORY | RESEARCH PARTNER | TRAINING**

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