REHOBOTH CIVIL TESTING LABORATORY PVT LTD

CMDA / DTCP Registered Professionals

Geo-Technical Engineer

Structural Engineer

Quality Auditor

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SPECIALIZED TESTING SERVICES

PLATE LOAD TEST

- **Safe Bearing Capacity / K Value-Modulus of Subgrade**

PILE LOAD TEST

- **Lateral Pile / Pullout Pile / Vertical Pile**

SOIL INVESTIGATION TEST

- **Standard Penetration / Earth Resistivity / Sand Replacement / Core Cut / CBR / DCPT**

NON DESTRUCTIVE TEST

- **Ultrasonic Pulse Velocity / Rebound Hammer / Pile Integrity / Half Cell Potential**

MATERIAL TEST

- **Concrete –Fresh, Hardened / Aggregate – Fine, Coarse / Anchor Bolt- 8 mm to 32 mm**

STRUCTURAL STABILITY

- **Buildings / Factory / Bridges**

CORE SERVICES SECTORS-PAN INDIA

- Warehouse Projects
- Thermal Power Plant
- Solar Power Plant
- Wind mill Power Plant Foundation
- Transmission Line
- Harbor /Port Construction
- Sewage Treatment Plant
- Road Works, Pavement Testing etc
- Industrial Power Plants.
- Factory Projects, Commercial Building
- High Rise Buildings Residential Buildings
- Steel Power Plants

PRESTIGIOUS CLIENTS

addwatt powering your investment	ADITYA BIRLA RENEWABLES	BLUE BRIGHT ENERGY	CleanMax POWERING SUSTAINABILITY	EAGLE Renewable Energy Solutions
eorjan	PIONEER Pioneer Energy Services	Prozeal GREEN ENERGY India's Most Bankable Green Energy Company	Oriano Your Solar Partner	RAYS POWER INFRA
Relyon Solar	SIEMENS Gamesa RENEWABLE ENERGY	SOLAR PACK	susten BY mahindra	SOLON
mahindra LOGISTICS ascendas FIRSTSPACE A CapitaLand-Firstspace Joint Venture	DP WORLD	HIRANANDANI INDUSTRIAL PARKS	NDR REDEFINING WAREHOUSING	DURA FLOOR CONCRETE SOLUTIONS BUILT STRONG! LASTS LONG!
L&T Hydrocarbon Engineering	OCEAN DELIVERING DREAMS	KEC KEC INTERNATIONAL LIMITED	HCC	TATA TATA PROJECTS LIMITED

PLATE LOAD TEST – SBC

The plate load test is to determine the ultimate bearing capacity of the soil and the probable settlement under a given load – IS 1888

PLATE LOAD TEST- K VALUE

Modulus of Subgrade Reaction is defined as the pressure per unit deformation of the subgrade at specific pressure or deformation- IS 9214

PILE LOAD TEST- VERTICAL

Compression load is applied to the pile top by means of a hydraulic jack using Truck to provide reaction and the settlement is recorded by suitably positioned dial gauges – IS 2911 (IV)

PILE LOAD TEST- LATERAL

The test is carried out by introducing a hydraulic jack with gauge between two piles or pile groups under test or the reaction may be suitably obtained otherwise – IS 2911 (IV)

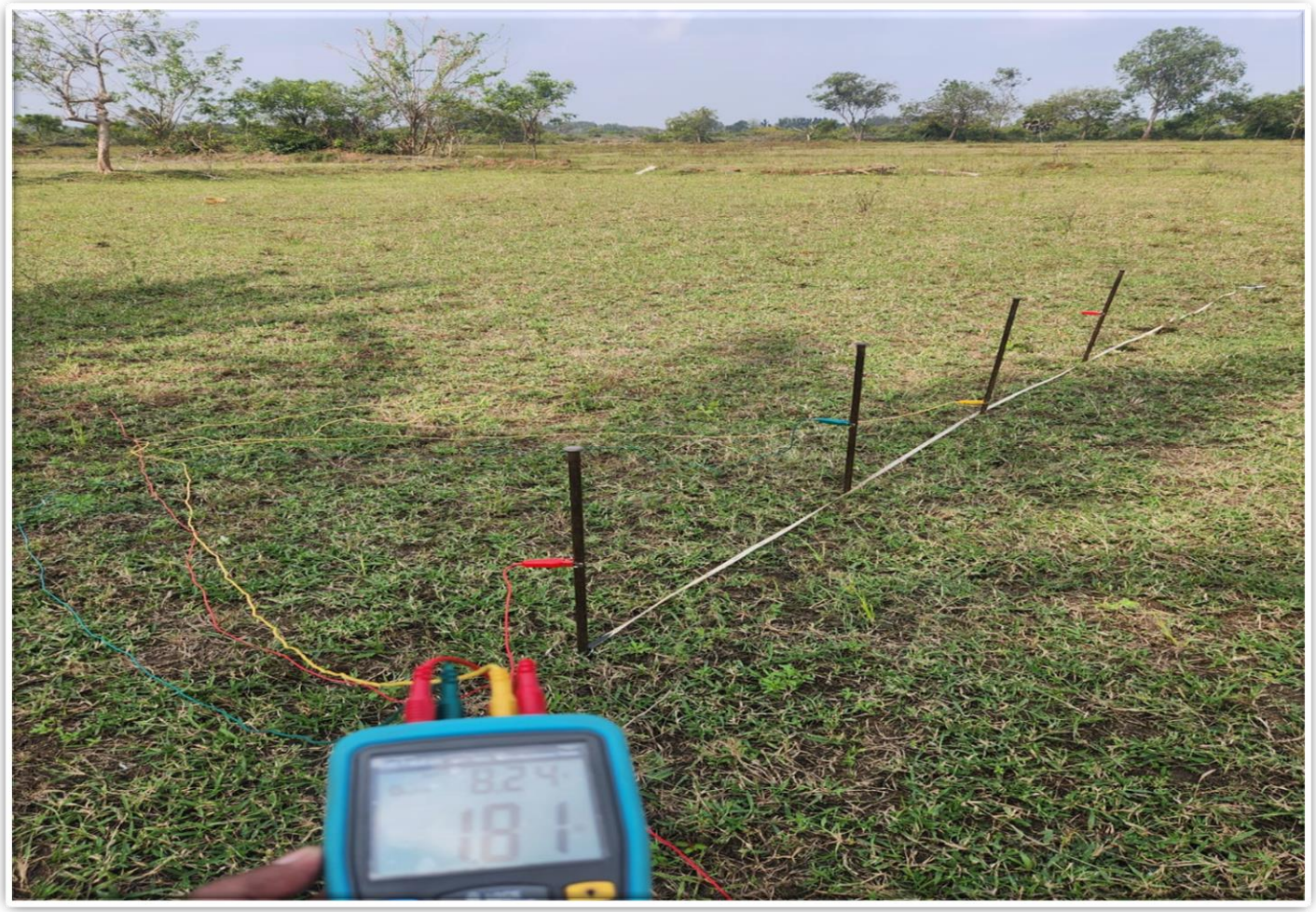
PILE LOAD TEST- PULLOUT

The methodology adopted for Pile Load Test by Pull Out method is in such a way that the hydraulic jack is made to rest on rolled steel joist resting on two supports on the ground – IS 2911 (IV)

SOIL INVESTIGATION – SPT

The standard penetration test is an in-situ dynamic penetration test designed to provide information on the geotechnical engineering properties - IS 2131

SOIL INVESTIGATION – ERT



A Wenner probe test is a geotechnical investigation method used to determine the electrical resistivity of the soil - IS 15736

SOIL INVESTIGATION – SRT

Sand replacement method is used to measure the in-situ density of natural or compacted soils using sand pouring cylinders- IS 2720 (28)

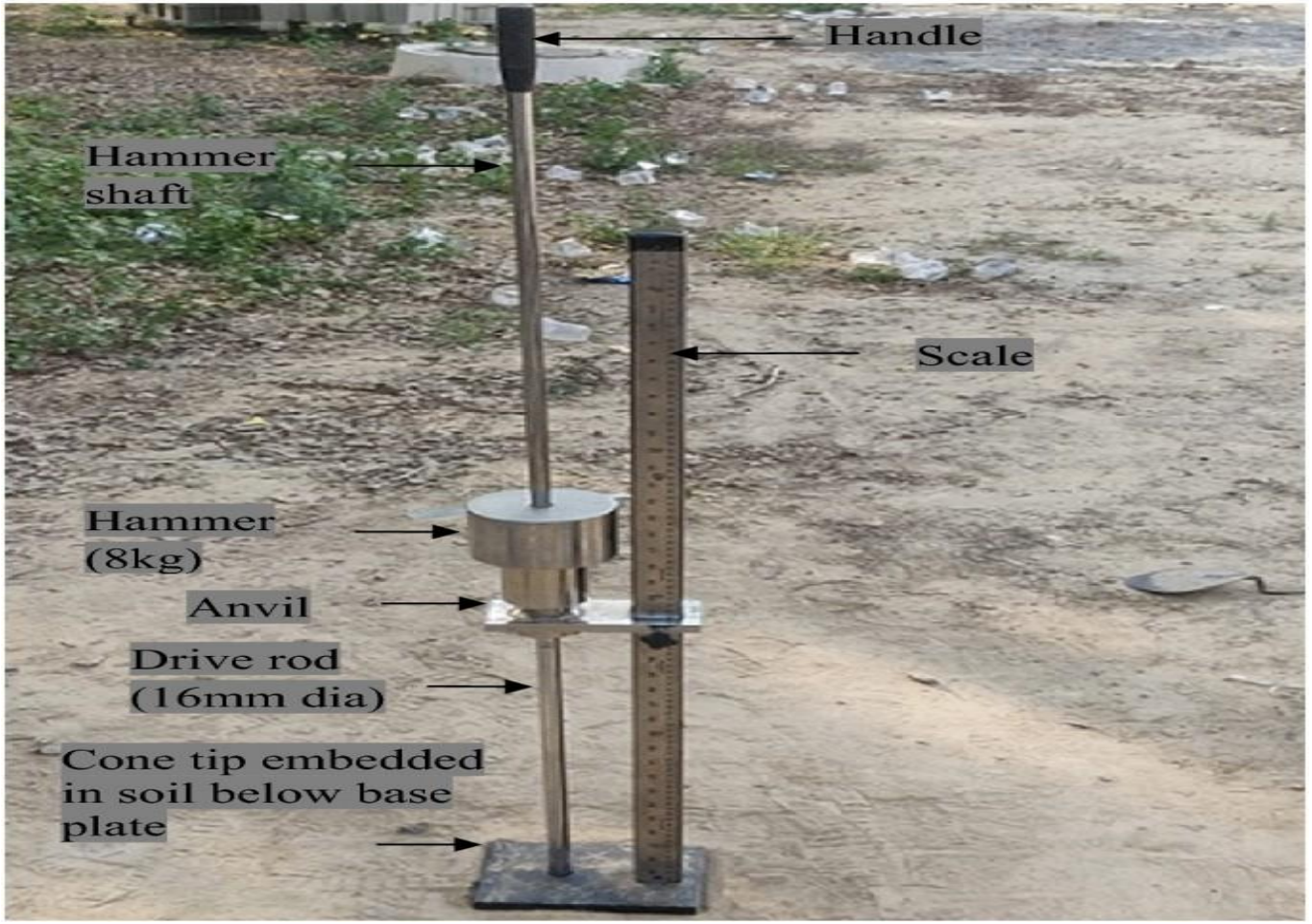
SOIL INVESTIGATION – CORE CUTTING

The core cutter method is a test used to determine the in-situ dry density of soil - IS 2720 (29)

SOIL INVESTIGATION – CBR

The California Bearing Ratio (CBR) is a measure of the strength of the subgrade of a road or other paved area - IS 2720 (31)

SOIL INVESTIGATION – DCPT



The Dynamic Cone Penetration Test provides a measure of a material's in-situ resistance to penetration-ASTM 6951

NON-DESTRUCTIVE TEST - UPV

An ultrasonic pulse velocity test is an in-situ, non destructive test to check the quality of concrete and natural rocks - IS 13311

NON-DESTRUCTIVE TEST - RH

Rebound hammer or concrete hammer test, is a device to measure the elastic properties or strength of concrete - IS 13311(2)

NON-DESTRUCTIVE TEST - PIT

Low strain impact integrity test, is a non-destructive test method for the evaluation of pile quality, and integrity– IS 14893

NON-DESTRUCTIVE TEST – HALF CELL

This method may by used to indicate the corrosion activity associated with steel embedded in concrete.– IS 516 (V)

MATERIAL TEST – CONCRETE

The compressive strength of the concrete cube test provides an idea about all the characteristics of concrete - IS 456

MATERIAL TEST – AGGREGATE

Test of aggregates is important because the quality of an aggregate determines the quality of the concrete being used in a specific project – IS 2386

MATERIAL TEST – ANCHOR BOLT

The aim of the anchor pull-out tests is to determine the load-bearing capacity of the selected washer anchor in the project-specific fastening substrate –IS 11309

STRUCTURAL STABILITY– BUILDING

Structural analysis by using STAAD Pro a Structural Analysis software was used and checked the Structural design stability of Existing Building – IS 456

STRUCTURAL STABILITY – FACTORY

Structural stability of the present strength of concrete and we have worked out a system for checking the stability of the structure – IS 875

STRUCTURAL STABILITY – BRIDGES

The load testing is used to check whether maximum deflection and percentage recovery are within permissible limits or not IRC SP :51