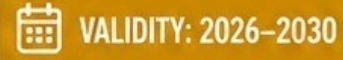


NABL ACCREDITED LAB



ISO/IEC 17025:2017



VALIDITY: 2026-2030



Delivering high-accuracy analytical diagnostics and certified structural assurance for central India's infrastructure sector. Backed by academic excellence and calibrated instrumentation, all tests comply strictly with Bureau of Indian Standards (BIS) codes under accreditation baseline TC-15271.

COMPREHENSIVE TESTING CAPABILITIES



1. SOIL MECHANICS DIAGNOSTICS

- CBR Analysis – 4-Day Soaked & Unsoaked Profiles
- Proctor Compaction – Dry Density & OMC Metrics
- Shear Strength – Direct Box Shear & Triaxial Tests
- Atterberg Limits – Liquid Limit & Plastic Limit
- Grain Size Analysis, Classification & Field Density



2. AGGREGATES & FINE MATERIALS

- Los Angeles Abrasion Value – Mechanical Resistance
- Aggregate Impact Value & Crushing Value Tests
- Flakiness Index & Elongation Shape Verification
- Soundness Audit & Computerized Sieve Analysis
- Specific Gravity, Water Absorption & Bulk Density



3. BINDER & CEMENT MATRIX

- OPC & PPC Compressive Strength – 3, 7 & 28 Days
- Standard Consistency & Vicat Setting Times
- Fineness by Dry Sieving & Soundness (Le Chatelier)
- Initial & Final Setting Time Verification



4. HARDENED CONCRETE ENGINEERING

- Concrete Mix Design – Up to M25 & Above M25 Grade
- Compressive Strength of Cubes & Cylinders
- Fresh Concrete Slump / Workability Assessment
- Density of Hardened Concrete Specimens



5. STRUCTURAL BRICKS & MASONRY

- Burnt Clay Bricks – Compressive Strength & Absorption
- Brick Dimensions (L x W x H) & Efflorescence Test
- AAC Blocks – Bulk Density, Strength & Moisture
- Concrete Paver Blocks – Absorption & Strength



6. STEEL REBAR & BITUMEN SUITE

- Steel Yield Strength, Tensile Strength & Elongation (6-32mm)
- Steel Weight per Meter & Bend / Re-bend Test
- Bitumen Penetration, Viscosity, Ductility & Softening Point
- Specific Gravity, Flash Point & Fire Point



GST & ACCREDITATION NOTE:

18% GST applicable on all services. | All tests comply with BIS codes under ISO/IEC 17025:2017 | Accreditation No: TC-15271



OFFICIAL LABORATORY LOCATION & BOOKING DESK

CDGi Material Testing Laboratory

Village Umrikheda, Near Toll Naka, Khandwa Road, Indore, Madhya Pradesh – 452020

Project Bookings & Quotations: civilab@cdgi.edu.in | Indore – 452020