



EEP CON is pleased to offer value added services of civil structure inspection to its valued customers. It is imperative to test civil structure after the surface has hardened, eroded, cracked in order to determine if the structure is suitable and safe for its designed usage. Integrity assessment of the structure is determined by the compressive strength measurement, pulse sonic velocity test, petrographic analysis, and study on ETAB/ SAP 2000 software. The integrity testing ensures cost saving and fitness of the concrete structure for future usefulness. The testing is conducted without causing any damage or harm to the civil structure. The range of properties that can be assessed using integrity test is quite large and includes fundamental parameters like compressive strength, rebound hardness value, density, surface absorption, reinforcement location, size and depth of crack in concrete.

Civil Structure Assessment Techniques

Different NDT and Load testing Techniques are employed as per site conditions and customer requirements

- ◆ Ultrasonic Pulse Velocity (UPV) Test ASTM C 597
- ◆ Rebound Hammer Test ASTM C 805
- ◆ Petrographic Analysis ASTM C 865
- ◆ Pile Integrity Assessment
- ◆ Dynamic Cone Penetrometer Tests
- ◆ Dynamic Response (Pulse echo, Impact Echo)
- ◆ Ferro scanning/Rebar Locator
- ◆ Infrared Thermography for Buildings
- ◆ Ground Penetrating radar
- ◆ Acoustic Emission
- ◆ Radiometry

Scope of Assessment

- * **Strength Assessment**
- * **Durability Assessment**
- * **Integrity Assessment**

Conclusion *Civil structure assessment ensure:*

- * That safety standards are adhered for residential and Industrial units
- * Guarantees public safety
- * Highly beneficial to owners as well as to buyers who plan to make huge investments.

Contact us

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