

CIVIL ENGINEERING DEPARTMENT

(Structural Lab.)

Testing Facilities

Sr. No.	Particulars of Test
1	Compression Test
	Concrete Cubes
	Solid Block
	Siporex Block
	Pavers Block
	Brick
	Cylinder FRP Wrap & control
2	Split Test Concrete Cylinder
3	Transverse test of tiles
4	Water Absorption test
	Solid Blocks
	Tiles
	Siporex Block
	Pavers Block
Brick	
5	Sand (Physical Test) – i) Fineness modulus ii) Specific gravity/Bulk density
6	Metal I & II (Physical Test) – i) Fineness modulus ii) Specific gravity/Bulk density iii) Crushing strength
7	Core Test (Dia 2” , 3” & 4”) i) Core cutting ii) Compression Test
8	Tor bar Physical Test (Dia 6 mm to 32 mm) i) Tension test ii) Bend & Rebend test iii) Weight per meter
9	Abrasion test on tiles
10	Physical test of cement- i) Consistency ii) Fineness (By sieve analysis) iii) Soundness iv) Initial and final setting times v) Compression strength (3, 7 & 28 days)
11	Timber Test – <ul style="list-style-type: none">• Transverse test• Compression test –(with load-load deflection curve) Perpendicular & Parallel• Shear test

	• Moisture content test
12	Compression test on Road Stud
13	Mix design of concrete- Accelerated curing & normal curing
14	Digital Hammer Test
15	Ultrasonic Pulse Velocity Test
16	Load Test for slab, beam & Manhole cover
17	Strain Measurement
18	Vibration Measurement
19	Deflection Measurement
20	<ul style="list-style-type: none"> i) Half cell test ii) Carbonation test iii) RCPT Test of concrete iv) Water permeability test for concrete din 1048