



ACCREDITATION STANDARD  
**ISO/IEC 17025:2017**



VALIDITY PERIOD  
**2026 - 2030**



DISCIPLINE FRAMEWORK  
Mechanical Testing (Civil Engineering)

### 1 SOIL TESTING (MECHANICAL - SOIL BASIC)

S.No.	Test	Rate (INR)
1	Liquid Limit	₹300.00
2	California Bearing Ratio (CBR)	₹1,500.00
3	Maximum Dry Density (Heavy Compaction)	₹800.00
4	Maximum Dry Density (Light Compaction)	₹800.00
5	Optimum Moisture Content (Heavy Compaction)	₹1,270.00
6	Optimum Moisture Content (Light Compaction)	₹800.00
7	Plastic Limit	₹300.00
8	Water Content / Natural Moisture Content	₹150.00
9	CBR Test 4-Days Soaking	₹2,000.00
10	Grain Size Analysis	₹450.00
11	Soil Classification	₹550.00
12	Triaxial Test	₹1,500.00
13	Free Swelling Index	₹220.00
14	Field Density by Sand Replacement Test	₹600.00
15	Field Density by Core Cutter Test	₹400.00
16	Direct Shear / Box Shear Test	₹1,200.00

### 2 COARSE AGGREGATE (MECHANICAL - BUILDING MATERIALS)

S.No.	Test	Rate (INR)
17	Abrasion Value (Los Angeles)	₹550.00
18	Crushing Value	₹450.00
19	Elongation Index	₹450.00
20	Flakiness Index	₹450.00
21	Impact Value	₹400.00
22	Material Finer Than 75 Microns	₹300.00
23	Sieve Analysis (63, 40, 25, 20, 16, 12.5, 10 & 4.75 mm)	₹250.00
24	Specific Gravity	₹250.00
25	Water Absorption	₹200.00
26	Bulk Density	₹200.00
27	Soundness	₹600.00

### 5 BRICKS & PRECAST BLOCKS (MECHANICAL - BUILDING MATERIALS)

S.No.	Test	Rate (INR)
47	Burnt Clay Building Bricks 24 Hours Water Absorption	₹290.00
48	Burnt Clay Building Bricks Compressive Strength	₹550.00
49	Burnt Clay Building Bricks Dimensions (Length, Width, Height)	₹180.00
50	Bricks Efflorescence	₹235.00
51	AAC Blocks (Precast Autoclaved Cellular) Bulk Density	₹200.00
52	AAC Blocks (Precast Autoclaved Cellular) Compressive Strength	₹380.00
53	AAC Blocks (Precast Autoclaved Cellular) Moisture Content	₹200.00
54	Concrete Paver Block Water Absorption	₹250.00
55	Concrete Paver Block Compressive Strength	₹450.00

### 3 FINE AGGREGATE (MECHANICAL - BUILDING MATERIALS)

S.No.	Test	Rate (INR)
28	Bulk Density	₹250.00
29	Material Finer Than 75 Microns	₹300.00
30	Sieve Analysis (10, 4.75, 2.36, 1.18, 0.6, 0.3 & 0.15 mm)	₹400.00
31	Specific Gravity	₹250.00
32	Water Absorption	₹200.00
33	Bulking of Sand	₹800.00
34	Soundness	₹600.00

### 4 CEMENT & CONCRETE (MECHANICAL - BUILDING MATERIALS)

S.No.	Test	Rate (INR)
35	Consistency (Slump Test)	₹300.00
36	Density	₹300.00
37	Compressive Strength (Cube - 150×150×150 mm)	₹300.00
38	Cement Compressive Strength Test (3, 7, 28 Days)	₹1,500.00
39	Final Setting Time	₹385.00
40	Initial Setting Time	₹385.00
41	Standard Consistency	₹500.00
42	Fineness by Dry Sieving	₹300.00
43	Soundness Test by Le Chatelier	₹500.00
44	Compressive Strength of Cylindrical Specimen	₹350.00
45	Mix Design up to M25 Grade	₹8,000.00
46	Mix Design Above M25 Grade	₹10,000.00

### 6 METALS & BITUMINOUS INFRASTRUCTURE TESTING

S.No.	Test	Rate (INR)
56	Steel Yield Strength, Tensile Strength & Elongation (6 to 32 mm)	₹2,200.00
57	Steel Weight Per Meter	₹2,400.00
58	Steel Bend & Re-bend Test (>32 to 40 mm)	As per specification
59	Bitumen Penetration	₹480.00
60	Bitumen Absolute Viscosity	₹540.00
61	Bitumen Ductility	₹600.00
62	Bitumen Specific Gravity	₹295.00
63	Bitumen Softening Point	₹480.00
64	Bitumen Flash Point & Fire Point	₹480.00



Note: All tests are conducted as per relevant IS Codes and applicable standards.