

**TESTING FACILITY
GEOTECHNICAL ENGINEERING LABORATORY**

S. N.	DESCRIPTION	Rates (in Rs)
A. Physical Tests on soil		
1.	Natural Moisture Content (Per Sample)	500
2.	Dry Density of Soil (Per Sample)	1000
3.	Specific Gravity of Soil (Per Sample)	800
4.	Sieve Analysis (Dry) (Per Sample)	1000
5.	Sieve Analysis (Wet) (Per Sample)	4000
6.	Atterberg's Limit (L.L ,P.L ,P.I ,Flow Curve) (Per Sample)	2000
7.	Shrinkage Limit (Per Sample)	1500
8.	a) Standard Proctor's Compaction Test (Per Sample)	3000
9.	b) Modified Proctor's Test (Per Sample)	4000
10.	California Bearing Ratio Test (Unsoaked) (Per Sample)	4000
11.	California Bearing Ratio Test (Soaked) (Per Sample)	5000
12.	Permeability Test on Undisturbed Samples (Per Sample)	4000
13.	Permeability Test on Remolded Samples (Per Sample)	3000
14.	Direct Shear Box Test (Per Sample)	2000
15.	Tri-axial Compression Test (38 mm dia without Pore Water pressure Measurement & Three Tests Required for each Sample)	6000
16.	Unconfined Compression Test (Per Sample)	2000
17.	Determination of Core Recovery & R.Q. (Per Sample-Supplied by client)	As per the requirement
18.	Water absorption test for rock core sample (at least three specimens to be tested for each sample) (Per test)	2000
19.	Consolidation Test – with undisturbed samples (Per sample)	3000
20.	Consolidation Test – with remolded samples (Per sample)	3000
21.	Plate Load Test (First Test) (set up provided by client) (Per location)	10000
22.	Plate Load Test (Subsequent) (Per location)	8000
23.	Standard Penetration Test (set up provided by client) (Per Test)	3000
24.	Determination of SBC	As per the work
25.	Crushing strength of rock core	2000
B. Chemical Tests on soil		
1.	Conductivity test	500

2.	pH of Soil samples	400
3.	Shape, Ignition loss, Soluble fraction in HCL, Wearing loss, Impurities, Silica content, pH, conductivity, organic matter	3500

**TESTING FACILITY
TRANSPORTATION ENGINEERING LABORATORY**

S. N.	DESCRIPTION	Rate (in Rs.)
A. Testing of Stone Aggregates		
1.	Crushing Value (Including sample preparation)	1500
2.	Abrasion Value (Los-Angeles) (Including sample preparation)	4000
3.	Impact Value (Including sample preparation)	1500
4.	Shape Test	1500
5.	Sieve Analysis & Gradation	1500
6.	California Bearing Ratio Test (Unsoaked)	4000
7.	California Bearing Ratio Test (Soaked)	5000
8.	Soundness of aggregates (Per sample)	5000
B. Testing of Bitumen		
1.	Marshall Stability Test	5000
2.	Bitumen Content	2000
3.	Penetration Test of Bitumen	1000
4.	Viscosity Test of Bitumen	2000
5.	Ductility Test of Bitumen	2000
6.	Float Test	2000
7.	Specific Gravity	1500
8.	Softening Point Test	1500
9.	Flash & Fire Point Test	2000
10.	Solubility Test	1500
11.	Spot Test of Bitumen	1500
12.	Loss on Heating	1500
13.	Water Content Test	1500
14.	Bitumen Adhesion Test	2000
15.	Marshall Stability Test for Mix Design of Bituminous Concrete	12000
C. Precast Concrete Blocks for Paving (IS 15658:2006)		
1.	Dimension (Shape test)	750

2.	Water Absorption	1000
3.	Compressive Strength	600
4.	Flexural Strength/ Breaking load	1500
D. Testing of Floor Tiles		
1.	Checking of Conformity of Shapes & Dimensions	500
2.	Water Absorption	1000

**TESTING FACILITY
ENVIRONMENTAL ENGINEERING LABORATORY**

S. N.	DESCRIPTION OF TEST	Rate (in Rs.)
A. Water Analysis		
1.	Acidity	300
2.	Alkalinity	300
3.	Chloride	500
4.	Calcium hardness as CaCO ₃	400
5.	Dissolved Oxygen (DO)	500
6.	Hardness (Total)	400
7.	Magnesium hardness as CaCO ₃	400
8.	Odor	200
9.	pH test	300
10.	Suspended matter	400
11.	Taste	200
12.	Total Volatile matter	600
13.	Total dissolved matter	500
14.	Turbidity	400
15.	Temperature	200
B. Waste Water Analysis		
1.	Acidity	300
2.	Alkalinity	300
3.	B.O.D. (for 5 days)	800
4.	Chloride	500
5.	C.O.D	800
6.	Calcium hardness as CaCO ₃	400

7.	Dissolved Oxygen (DO)	500
8.	Hardness (Total)	400
9.	Magnesium hardness as CaCO ₃	400
10.	pH test	300
11.	Suspended solids	400
12.	Total Volatile solids	600
13.	Total dissolved solids	500
14.	Total solids	300
15.	Total fixed solids	600
16.	Turbidity	400
17.	Temperature	200

**TESTING FACILITY
SURVEYING LABORATORY**

S. N.	DESCRIPTION	Rate (in Rs.)
A. Survey Works		
1.	Topography Survey (Boundary And Property Line Survey etc.)	Depends on quantity of work
2.	Alignment of road work, canal work and water/sewage distribution system (Per Km)	15000
3.	Farm Survey (per Ha.)	2000
4.	Construction setouts	Depends on quantity of work
5.	Plane table survey (Per Ha.)	3000
6.	Earthwork and volumes (Per Km.)	10000

**TESTING FACILITY
CONCRETE LABORATORY**

S.N.	DESCRIPTION	RATE (in Rs.)
A. Test on Concrete Sample		
1	Cube Compressive Strength Test (Min.3 Nos.)	200
2	Split Tensile Test (Min.3 Nos.)	400
3	Flexure Strength Test (Min.3 Nos.)	1000
4.	Cube Compressive Strength with casting, curing & testing (One set of 03 Nos. each at 7 days & 28 Days)	3000
5.	Cube Compressive Strength with casting, curing & testing (One set of 03 Nos. each at 7 days & 28 Days) with Mix design as per IS code	5000
5.	Workability of Concrete Mix for each type with/without plasticizer	1200
6.	Compressive strength of concrete solid/hollow block Per specimen	500

7.	Compressive strength of Siporex/AAC block Per specimen	500
8.	Water absorption of concrete solid/hollow block	500
9.	Block density of concrete solid/hollow block	300
B. Test on Cement Sample		
1.	Compressive Strength of Cement mortar cube with curing/specimen	150
2.	Compressive Strength of cement with casting, curing, testing exclusively for mix design and cement strength test: a) One set of 3 Nos. at 3 days b) One set of 3 Nos. at 7 days c) One set of 3 Nos. at 28 days	600 900 1200
3.	Consistency	500
4.	Setting Time (Initial & Final)	500
5.	Fineness	200
6.	Soundness	1000
7.	Specific Gravity	700
D. Coarse Aggregates (Stone Chips)		
1.	Sieve Analysis	1000
2.	Specific Gravity	800
3.	Water Absorption	500
4.	Bulk Density	800
5.	Flakiness & Elongation	1000
6.	Free Moisture Content	500
7.	Impact Value	1500
8.	Crushing Value	1500
9.	Abrasion test (Los Angles)	4000
E. Fine Aggregates (Sand)		
1.	Sieve Analysis	1000
2.	Specific Gravity	800
3.	Water Absorption	500
4.	Bulk Density	500
5.	Bulking of sand	1000
6.	Silt Content	500
7.	Free Moisture Content	500
F. Test on Bricks		
1.	Compressive Strength	500
2.	Water Absorption	500
3.	Efflorescence Test	500
4.	Shape Test	400
5.	Field test	500

**TESTING FACILITY
MATERIAL TESTING LABORATORY**

S.N.	DESCRIPTION	RATE (in Rs.)
1.	Bend and Re-bend test Test (Min.3 Nos. of same dia. from same brand)	650
2.	Weight/meter test (Min.3 Nos. of same dia. from same brand)	200
3.	Tensile strength/yield stress ratio (Min.3 Nos. of same dia. from same brand)	650
4.	Elongation (Min.3 Nos. of same dia. from same brand)	3000

***All the quoted rates are exclusive of GST**