TESTING FACILITY

GEOTECHNICAL ENGINEERING LABORATORY

S. N.	DESCRIPTION	Rates (in Rs)
1.	Natural Moisture Content (Per Sample)	800
2.	Dry Density of Soil (Per Sample)	1500
3.	Specific Gravity of Soil (Per Sample)	1000
4.	Sieve Analysis (Dry) (Per Sample)	1500
5.	Sieve Analysis (Wet) (Per Sample)	4000
6.	Atterberg's Limit (L.L ,P.L ,P.I ,Flow Curve) (Per Sample)	3000
7.	Shrinkage Limit (Per Sample)	1500
8.	a) Standard Proctor's Compaction Test (Per Sample)	4000
9.	b) Modified Proctor's Test (Per Sample)	5000
10.	California Bearing Ratio Test (Unsoaked) (Per Sample)	5000
11.	California Bearing Ratio Test (Soaked) (Per Sample)	7000
12.	Permeability Test on Undisturbed Samples (Per Sample)	5000
13.	Permeability Test on Remolded Samples (Per Sample)	4000
14.	Direct Shear Box Test (Per Sample)	3000
15.	Tri-axial Compression Test (38 mm dia without Pore Water pressure Measurement & Three Tests Required for each Sample)	8000
16.	Unconfined Compression Test (Per Sample)	3000
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)	4000
20.	Consolidation Test – with remolded samples (Per sample)	4000

21.	Plate Load Test (First Test) (set up provided by client) (Per location)	15000
22.	Plate Load Test (Subsequent) (Per location)	10000
23.	Standard Penetration Test (set up provided by client) (Per Test)	4000
24.	Determination of SBC	As per the work
25.	Crushing strength of rock core	4000

TESTING FACILITY

TRANSPORTATION ENGINEERING LABORATORY

S. N.	DESCRIPTION	Rate (in Rs.)
A. Testing of Stone Aggregates		
1.	Crushing Value (Including sample preparation)	1800
2.	Abrasion Value (Los-Angeles) (Including sample preparation)	4000
3.	Impact Value (Including sample preparation)	1800
4.	Shape Test	1500
5.	Sieve Analysis & Gradation	2000
6.	California Bearing Ratio Test (Unsoaked)	5000
7.	California Bearing Ratio Test (Soaked)	7000
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	1500
4.	Viscosity Test of Bitumen	3000
5.	Ductility Test of Bitumen	3000
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	15000
C. Precast Concrete Blocks for Paving (IS 15658:2006)		
1.	Dimension (Shape test)	800
2.	Water Absorption	1000
3.	Compressive Strength per sample	300
4.	Flexural Strength/ Breaking load per sample	1500
D. Testing of Floor Tiles		
1.	Checking of Conformity of Shapes & Dimensions	800
2.	Water Absorption	1000

TESTING FACILITY

ENVIRONMENTAL ENGINEERING LABORATORY

S. N.	DESCRIPTION OF TEST	Rate (in Rs.)
A. Water Analysis		
1.	Acidity	500
2.	Alkalinity	500
3.	Chloride	800

4.	Calcium hardness as $CaCO_3$	700
5.	Dissolved Oxygen (DO)	800
6.	Hardness (Total)	700
7.	Magnesium hardness as $CaCO_3$	700
8.	Odor	500
9.	pH test	300
10.	Suspended matter	500
11.	Taste	200
12.	Total Volatile matter	700
13.	Total dissolved matter	700
14.	Turbidity	500
15.	Temperature	200
B. Waste Water Analysis		
1.	Acidity	300
2.	Alkalinity	300
3.	B.O.D. (for 5 days)	1000
4.	Chloride	800
5.	C.O.D	1000
6.	Calcium hardness as CaCO3	700
7.	Dissolved Oxygen (DO)	600
8.	Hardness (Total)	800
9.	Magnesium hardness as CaCO3	700
10.	pH test	300
11.	Suspended solids	500
12.	Total Volatile solids	700

13.	Total dissolved solids	700
14.	Total solids	500
15.	Total fixed solids	600
16.	Turbidity	400
17.	Temperature	200
C. Chemical Test on Soil		
1.	Conductivity test	1000
2.	pH of Soil samples	500
3.	Shape, Ignition loss, Soluble fraction in HCL, Wearing Loss, Impurities, Silica content, pH, Conductivity, Organic matter	4000

TESTING FACILITY

SURVEYING LABORATORY

S. N.	DESCRIPTION	Rate (in Rs.)
A. Survey Works		
1.	Topography Survey (Boundary And Property Line Survey etc.)	Lump sum
2.	Alignment of road work, canal work and water/sewage distribution system	15000/per km
3.	Farm Survey (per Ha.)	3000
4.	Construction setouts (Depends on quantity of work)	Lump sum
5.	Plane table survey (Per Ha.)	4000
6.	Earthwork and volumes (Per Km.)	13000

TESTING FACILITY

CONCRETE LABORATORY

S.N.	DESCRIPTION	RATE (in Rs.)
A. Test on Concrete Sample		
1	Cube Compressive Strength Test (Min.3 Nos.)	700
2	Split Tensile Test (Min.3 Nos.)	700
3	Flexure Strength Test (Min.3 Nos.)	1500
4.	Cube Compressive Strength with casting, curing & testing (One set of 03 Nos. each at 7 days & 28 Days)	4000
5.	Cube Compressive Strength with casting, curing & testing (One set of 03 Nos. each at 7 days & 28 Days) with Mix design	16000
5.	Workability of Concrete Mix for each type with/without plasticizer	1500
6.	Compressive strength of concrete solid/hollow block Per specimen	500
7.	Water absorption of concrete solid/hollow block	500
8.	Block density of concrete solid/hollow block	500
B. Test on Cement Sample		
1.	Compressive Strength of Cement mortar cube with curing/specimen	500
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	 1000 1500 1800
3.	Consistency	600
4.	Setting Time (Initial & Final)	600
5.	Fineness	300
6.	Soundness	1000
7.	Specific Gravity	1000