

S.No.	NAME OF TEST	Rates (Rs)
A	PHYSICAL AND MECHANICAL PROPERTIES OF BUILDING STONE	
1	True specific Gravity	1020
2	Apparent specific gravity	1020
3	Absorption	840
4	Porosity	1020
5	Toughness by Impact	1680
6	Wearing resistance by Abrasion	2340
7	Hardness by Attrition	2340
8	Compressive Strength	1680
9	Transverse Strength	1680
10	Weathering Test (20 cycles)	3960
11	Durability Test (20 cycle)	3960
12	Preparation of sample for test on serial no 5,6,7:	660
B	CEMENT CONCRETE TILES (TERRAZZO OR MOSAIC & OTHER)	
1	Transverse Strength (for one set of minimum 6 pieces)	1020
2	Resistance to wear (for one set of minimum 6 pieces) on 50x50 test pieces	1020
3	Absorption	840
4	Warpage	1020
5	Impact Strength (for one set of minimum 3 pieces)	1680
6	Crazing test (for set of 3 pieces)	2340
	NOTE-Preparation of 3 sample for test on serial no -2	2340
C	HOLLOW CEMENT CONCRETE BLOCK	1680
1	Compressive strength	1680
2	Determination of Bulk Density	3960
D	TIMBERS	3960
1	Determination of Moisture content	660
2	Static Bending test	1020
E	TESTING OF BRICKS	
1	Crushing strength (for one set of minimum 3 pieces)	1500
2	Absorption (for one set of minimum 3 pieces)	1500
3	Moisture content (for one set of minimum 3 pieces)	1500
4	Dimension (for one set of minimum 3 pieces)	1500
5	Efflorescence (for one set of minimum 3 pieces)	1500
F	TESTING OF BUILDING LIMES	
1	Fineness Test	1020
2	Soundness test	1680
3	Compressive strength	2340
4	Transverse Strength	1020
5	Setting Time Test	1680

(G)	TESTING OF CEMENT	
1	Fineness Test (By Sieve)	1020
2	Setting Time Test	2640
3	Soundness test	2640
4	Compressive Strength	3300
5	Tensile Strength	1980
6	Fineness Test (By Air- Permeability)	2340
7	Specific Gravity	1680
(H)	TESTING OF CEMENT CONCRETE	
1	Flexural Strength (10 x 10 x 50 cm Beam)	1980
2	Compressive strength (for one set of minimum 3 Pieces)	1500
3	Workability (Compaction Factor & Slump)	2340
4	Absorption (for one set of minimum 3 pieces)	1500
5	Concrete Mix Design (Including the test of Materials)	27000
(I)	TESTING OF AGGREGATES	
1	Shape Test (Elongation Index, Flakiness Index Angularity Number) Each	1980
2	Surface Area Test	1500
3	Fineness Modulus	1500
4	Grading Analysis	1500
5	Bulk Density	1020
6	Absorption Test	840
7	Los Angeles Abrasion Test	2340
8	Impact Test	1500
9	Crushing Value	1500
10	Bitumen adhesion test for aggregates (Stripping Test)	3000
11	Silt Content test of sand	1020
12	Deleterious Materials of Aggregate	1500
13	Moisture content of Aggregate	1020
14	Specific Gravity	1020
15	Bulk Density	1020
16	Soundness test	3960
	NOTE-Preparation of sample for test if required	
(J)	BITUMEN AND BITUMINOUS CONCRETE	
1	Specific Gravity	1020
2	Penetration Value	1500
3	Viscosity	1500
4	Softening Point	1500
5	Density	1500
6	Design of Bituminous Concrete by Marshal Method for one Set of Conditions	27000
(K)	TESTING OF CONCRETE PILES	
1	Straightness Test	1020
2	Load Bearing Test	3300
3	Absorption (for one set of minimum 3 pieces)	1680

4	Hydraulic Test	6600
	NOTE: For piles above 200 mm diameter, the rate shall be 50% higher	
(L)	TEST ON WATER SAMPLE	
1	Determination of total solids, suspended solids, volatile and non-volatile	2640
2	Determination of pH by Meter	1320
3	Determination of colour units by Cinto meter	1020
4	Sieve analysis for sand sample	1680
5	Determination of mineral and non mineral acidity	1500
6	Determination of alkalinity (OH,HCO ₃ ,CO ₃ ,alkalinity	1500
7	Determination of chloride	1500
8	Determination of chloride demand	1980
9	Determination of Break point chlorination dose	3300
10	Determination of residual chlorine	1680
11	Determination of Hardness by EDTA Method	1500
12	Determination of Ca	1020
13	Determination of Mg	1020
14	Determination of SO ₄	1320
15	Determination of NO ₃	1320
16	Determination of Dissolved Oxygen (D.O.)	1680
17	M.P.N. Test	3300
18	Plate Count Method	3300
19	Determination of Turbidity	1020
	Test on Sewage & Industrial Waste	
20	Determination of different solids	2640
21	Determination of Sludge Volume Index (S.V.I.)	1680
22	Determination of pH	1320
23	B.O.D Test	4980
24	C.O.D Test	2640
25	Oxygen absorption Test	1680
26	Determination of NH ₃ -Nitrogen	1680
27	Determination of NO _y -Nitrogen	1680
28	Determination of NO ₃ -Nitrogen	1680
29	Determination of oil & Grease	1680
30	Acidity solubility test; for cement concrete, asbestos-Cement, Stone ware & glazed pipe and fitting	2640
31	Water absorption Test for asbestos cement pipe.	1320
32	Test for resistance to action of Magnesium Sulphate for glazed Stone Ware pipes. Gutters and fittings.	2640
33	Test of leakage of pipes. Gutters and fittings.	1680
34	Visiting site, for investigation and collection of samples.	3300
(M)	TEST OF SHUTTERS AND DOORS	
1	End Immersion Test	3960
2	Glue Adhesion Test	2340
3	Knife Test	1320

(N)	SURVEYING	
1	Topography of area (Contour Map) Minimum of Rs. 1000/- per site generally Rs. 5000/- Per acre, but actual rate may be more or less and shall be decided for each individually.	
2	Detailing and fixing of boundaries. 2500/- acre.	
(O)	TESTING OF F.R.P. SHEETS	
1	Bending Test	3000
2	Thickness Test	1020
3	Bolt - Shear Test	1020
(P)	TEST ON SOILS	
1	Inspection and advice for soil investigation	3300
2	Water Content and Bulk Density	1680
3	Atterberg's Limit	
	(i) Liquid Limit	1980
	(ii) Plastic Limit	1500
	(iii) Shrinkage Limit	1980
4	Linear Shrinkage Limit	1500
5	Particle Size Analysis of Soil	
	(i) Sieve Analysis	1500
	(ii) Hydrometer Analysis	3960
6	Specific Gravity of Soil	1500
7	Density Index (Relative Density) swelling index-500	3960
8	Classification of soil as per I.S. code	3300
9	Percentage gravel content	1020
10	Unconfined compression Test on cohesive soil	3300
11	Tri-axial compression test on 38 mm diameter undisturbed sample:	
	i) Un-consolidated un-drained Test	6600
	ii) Consolidated Un-Drained Test without pore water pressure	8280
	iii) Consolidated Un-drained Test without pore water pressure	11580
	iv) Consolidated-Drained Test on a) Sand & b) for Clays	14880
12	Direct shear test on 6 cm x 6cm specimen	
	i) Quick Share Test	4980
	ii) Consolidated Share Test	6600
13	SBC by Plate Load Test	32400
14	SBC by Triaxial /Direct shear Lab Test	19800
15	C.B.R. Test at a specified water content & dry density	8280
16	Consolidation Test on 65 mm dia specimen	16500
17	Allowable Bearing Pressure of soil (i.e. safe value based on share on as well as settlement criteria); Test conducted on undisturbed soil S.P.T.	24300
18	Permeability Test on undisturbed sample	
	a) Course grained soil (constant head)	4980
	b) Fine grained soil (Falling head)	4980
19	Compaction Test	
	a) Standard proctor	3300

	b) Modified proctor	3300
	c) Harvard moisture compaction Test	3300
20	In situ sub grade bearing value by North Dakota Cone	3300
21	Visiting site, collection of sample from open pit (Max. size of sample 100 mm dia & 450 mm long	3960
22	Proctor penetration resistance test conducted to supplement with compaction Test vide S.No. 20 (a) & (b)	1500
23	Total soluble solids determination	1320
24	Calcium carbonate determination vide IS 2720-1972	1320
25	Calcium carbonate determination vide IS 2720-1966	1320
26	A) Exchangeable metallic anions	1980
	B) Exchangeable Hydrogen anions	1980
27	Silica sesquioxide ration determination	1980
28	pH value determination	1500
29	Total soluble sulphates determination	1980
30	Textural classification	1500
31	Static cone penetration test	1500
32	Dynamic cone penetration	19800
Other testing and consultancy work		
1	F.R.P. Man hole cover	18000
New Tests/Consultancy work		
1	Free Swelling Index	1500
2	Preparation of soil sample for Triaxial Test	3300
3	Pile Load Test	32400
4	Swelling Pressure Test	7500
5	Field CBR Test (Minimum charge)	30000
6	Resilient Modulus Test (Minimum charge)	30000
7	Tensile strength test of Geosynthetics/Geogrid	2700
8	Puncture test of Geosynthetics/Geogrid	2700
9	Weight per meter length	1350
10	Diameter of deformed bars	1350
11	Bend test	1350
12	Rebound Test	1350
13	Ultimate Tensile strength	2700
14	Percentage elongation	2700
15	0.2% proof stress	7200
16	Strength of Weld joint	2700
17	Rebound Hammer test on Concrete (Minimum charge)	30000
18	Ultrasonic Pulse Velocity (Minimum charge)	30000
19	Half cell potentiometer (Minimum charge)	30000
20	Electrical Resistivity (Minimum charge)	30000
21	Determination of Rheological parameters (Minimum charge)	30000
22	Shrinkage of cementation material (Minimum charge)	30000