



Vidya Pratishthan's Kamalnayan Bajaj Institute of Engineering and Technology, Baramati  
**DEPARTMENT OF CIVIL ENGINEERING**  
**Testing & Consultancy Services**

Sr.No	Name of Material	Name of Testing & Consultancy Services
1	Cement	Consistency Test
2	Cement	Initial setting Test
3	Cement	Final setting test
4	Cement	Fineness Test
5	Cement	Compressive Test/3 specimen
6	Cement	Expansion test/Soundness
7	Cement	Specific Gravity
8	Sand	Silt Contain Test
9	Sand	Sieve Analysis
10	Sand	Specific Gravity test
11	Sand	Bulking of Sand
12	Sand	Moisture Content
13	Aggregates	Sieve Analysis
14	Aggregates	Crushing strength
15	Aggregates	Impact test
16	Aggregates	Flakiness index
17	Aggregates	Water absorption
18	Aggregates	Abrasion Test
19	Aggregates	Specific gravity test
20	Aggregates	Soundness
21	Aggregates	Bulk Density
22	Steel	Tensile test(3 specimen)
23	Steel	Bend & rebend test /3 specimen
24	Steel	Shear test /3 specimen
25	Steel	Torsion test

26	Brick	Water absorption/4 block
27	Brick	Compressive strength Test(five bricks)
28	Paving block	Compressive strength Test(three)
29	Paving block	Water absorption(three)
30	Tile	Bending
31	Tile	Abrasion
32	Hollow rods	Flexural test (single)
33	Timber	Flexural test (single)
34	Core Rock	Compressive strength Test(single)
35	Core Rock	Water absorption
36	Core concrete	Compressive strength Test(single)
37	Concrete	Flow table test
38	Concrete	Compaction test
39	Concrete	Vee-bee test
40	Concrete	Flow table test
41	Concrete	Slump cone test
42	Concrete	Compressive strength Test
43	Concrete	Tensile strength test (single)
44	Concrete	Casting and curing of cube for test (single)
45	Concrete	NDT by digital Hammer/specimen
46	Concrete	NDT by Ultra sonic Pulse –Velocity meter/specimen
47	Concrete	Mix design/grade
48	Bitumen	Loss on heating test
49	Bitumen	Softening point test
50	Bitumen	Penetration test
51	Bitumen	Ductility test
52	Bitumen	Flash point and fire point
53	Bitumen	Viscosity test
54	Bitumen	Extraction test
55	Bitumen	Marshall test

56	Soil	Liquid limit test/sample
57	Soil	Shrinkage limit test/sample
58	Soil	Plastic limit test /sample
59	Soil	Shear test /sample
60	Soil	Plasticity index/sample
61	Soil	Sieve analysis
62	Soil	Swell test /sample
63	Soil	Unconfined compression test /sample
64	Soil	Laboratory C.B.R. Test/sample
65	Soil	Field C.B.R. Test /sample
66	Soil	Standard Proctor test/sample
67	Soil	Permeability test /sample
68	Soil	Standard Penetration test/sample
69	Soil	Compaction test /sample
70	Soil	Field Density test/sample
71	Soil	Water content test /sample
72	Soil	Speedy moisture meter test /sample
73	Soil	Bearing Capacity(Plate load)
74	Soil	Bearing Capacity(Shear Test)
75	Soil	Bearing Capacity(SPT)
76	Survey	level survey /acre
77	Survey	Land Measurement/acre
79	Survey	Contour Survey/acre
80	Survey	Demarcation of Plot/acre
80	Water	Colour Test /sample
81	Water	Odour test /sample
82	Water	Taste /sample
83	Water	pH test/sample
84	Water	Total dissolved solids test (TDS) /sample
85	Water	Total Hardness test/sample

86	Water	Total alkalinity test /sample
87	Water	Chloride content test /sample
88	Water	Turbidity test /sample
89	Water	Iron /sample
90	Water	Fluoride/sample
91	Waste Water	BOD test /sample
92	Waste Water	COD test/sample
93	Waste Water	Total solid /sample
94	Waste Water	Dissolved solid/sample
95	Waste Water	Dissolved oxygen
96	Actual Construction Site	Structural/ Stability Audit
97	Any Constructions of Structure	Estimation of Structure
98	Existing structure	Measures for repair, rehabilitation and retrofitting of structure
99	Any Constructions of Structure	Drawing work for planning
100	Actual Construction Site	Third Party Technical Audit

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