National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : JAY GAJANAN GEOTECHNICS, MHADA BUNGLOW, OM SAIPLOT NO. 74, SAVARKAR NAGAR, THANE, THANE(WEST), MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	CHEMICAL- SOIL AND ROCK	Rock	Chloride as Cl	BS 1377 (Part 3)
2	CHEMICAL- SOIL AND ROCK	Rock	pH	IS 2720 (P26)
3	CHEMICAL- SOIL AND ROCK	Rock	Total Soluble Sulphate	IS 2720 (P 27)
4	CHEMICAL- SOIL AND ROCK	Soil	Chloride as Cl	BS 1377 (Part 3)
5	CHEMICAL- SOIL AND ROCK	Soil	Organic Carbon	IS 2720 (P 22)
6	CHEMICAL- SOIL AND ROCK	Soil	Organic Matter	IS 2720 (P 22)
7	CHEMICAL- SOIL AND ROCK	Soil	pH	IS 2720 (P26)
8	CHEMICAL- SOIL AND ROCK	Soil	Total Soluble Sulphate	IS 2720 (P 27)
9	CHEMICAL- WATER	Drinking Water , Potable Water	Colour	IS 3025 (P 4)
10	CHEMICAL- WATER	Drinking water ,Potable Water	Odour	IS 3025 (Part 5)
11	CHEMICAL- WATER	Drinking Water, Potable Water	Calcium as Ca	IS 3025 (Part 40)
12	CHEMICAL- WATER	Drinking Water, Potable Water	Chloride as Cl	IS 3025 (Part 32)
13	CHEMICAL- WATER	Drinking Water, Potable Water	Magnesium as Mg	IS 3025 (Part 46)
14	CHEMICAL- WATER	Drinking Water, Potable Water	PH	IS 3025 (Part 11)
15	CHEMICAL- WATER	Drinking Water, Potable Water	Sulphate as So4	IS 3025 (Part 24)
16	CHEMICAL- WATER	Drinking Water, Potable Water	Total Alkalinity as CaCo3	IS 3025 (Part 23)
17	CHEMICAL- WATER	Drinking Water, Potable Water	Total Dissolved Solids	IS 3025 (Part 16)
18	CHEMICAL- WATER	Drinking Water, Potable Water	Total Hardness as CaCO3	IS 3025 (Part 21)
19	CHEMICAL- WATER	Water for construction purpose	Carbonate alkalinity as CaCO3	IS 3025 (Part 51)
20	CHEMICAL- WATER	Water for construction purpose	Chloride as Cl	IS 3025 (Part 32)
21	CHEMICAL- WATER	Water for construction purpose	Inorganic solids	IS 3025 (Part 18)
22	CHEMICAL- WATER	Water for construction purpose	Organic solids	IS 3025 (Part 18)
23	CHEMICAL- WATER	Water for construction purpose	pH	IS 3025 (Part 11)
24	CHEMICAL- WATER	Water for construction purpose	Sulphate as SO3	IS 3025 (Part 24)
25	CHEMICAL- WATER	Water for construction purpose	Total Acidity	IS 3025 (Part 22)

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26	CHEMICAL- WATER	Water for construction purpose	Total Alkalinity	IS 3025 (Part 23)
27	CHEMICAL- WATER	Water for construction purpose	Total Dissolved Solids	IS 3025 (Part 16)
28	CHEMICAL- WATER	Water for construction purpose	Total Suspended Solids	IS 3025 (Part 17)
29	MECHANICAL- BUILDINGS MATERIALS	Bricks	Compressive Strength	IS: 3495
30	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension (Length)	IS: 1077
31	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension (Thickness)	IS: 1077
32	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension (Width)	IS: 1077
33	MECHANICAL- BUILDINGS MATERIALS	Bricks	Efflorescence	IS: 3495
34	MECHANICAL- BUILDINGS MATERIALS	Bricks	Water Absorption	IS: 3495
35	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/PSC)	Compressive Strength	IS: 4031 - Part 6
36	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/PSC)	Consistency	IS: 4031 - Part 4
37	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/PSC)	Final Setting Time	IS: 4031 - Part 5
38	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/PSC)	Fineness by Blaine's Method	IS: 4031 - Part 2
39	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/PSC)	Initial Setting Time	IS: 4031 - Part 5
40	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/PSC)	Soundness by Autoclave Method	IS: 4031 -Part 3
41	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/PSC)	Soundness by Le-Chatelier's Method	IS : 4031 - Part 3
42	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/PSC)	Specific Gravity	IS: 4031 - Part 11
43	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Aggregate Crushing Value	IS : 2386 - Part 4
44	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density (loose)	IS : 2386 - Part 3
45	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density (Rodded)	IS: 2386 -Part 3

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46	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS: 2386 -Part 1
47	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS: 2386 - Part 1
48	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS: 2386 - Part 4
49	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Los Angale's Abrasion Value	IS: 2386 - Part 4
50	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis	IS : 2386-Part 1
51	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific gravity	IS: 2386 - Part 3
52	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS: 2386 - Part 3
53	MECHANICAL- BUILDINGS MATERIALS	Concrete Core	Compressive Strength	IS: 516 Part 4
54	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube	Compressive Strength	IS: 516
55	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Bulk Density (Loose)	IS: 2386 - Part 3
56	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density (Rodded)	IS: 2386 - Part 3
57	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Bulking	IS: 2386 - Part 3
58	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Particle finer than 75 microns	IS : 2386 - Part 2
59	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Sieve Analysis	IS: 2386 - Part 1
60	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Specific Gravity	IS: 2386 - Part 3
61	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Water Absorption	IS: 2386 - Part 3
62	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Comparative compressive strength	IS: 1727
63	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Fineness specific surface by Blaine's Air permeability Method	IS: 1727

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64	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Lime Reactivity	IS: 1727
65	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Residue on 45 micron sieve	IS: 1727
66	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Soundness by Autoclave method	IS: 1727
67	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Specific gravity	IS: 1727
68	MECHANICAL- SOIL AND ROCK	Clays & Soils	Dry density by core cutter method	IS- 2720 - Part 29
69	MECHANICAL- SOIL AND ROCK	Clays & Soils	Dry density by Sand Replacement	IS: 2720 - Part 28
70	MECHANICAL- SOIL AND ROCK	Rock	Bulk Density	IS 13030
71	MECHANICAL- SOIL AND ROCK	Rock	Dry Density	IS 13030
72	MECHANICAL- SOIL AND ROCK	Rock	Point Load Index	IS 8764
73	MECHANICAL- SOIL AND ROCK	Rock	Poission's Ratio	IS 9221
74	MECHANICAL- SOIL AND ROCK	Rock	Porosity	IS 13030
75	MECHANICAL- SOIL AND ROCK	Rock	Slake Durability Index	IS 10050
76	MECHANICAL- SOIL AND ROCK	Rock	Specific Gravity	IS 1122
77	MECHANICAL- SOIL AND ROCK	Rock	Tensile Strength	IS 10082
78	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compressive Strength	IS 9143
79	MECHANICAL- SOIL AND ROCK	Rock	Water Absorption	IS 2386 (Part 3)
80	MECHANICAL- SOIL AND ROCK	Rock	Water Content	IS 13030
81	MECHANICAL- SOIL AND ROCK	Rock	Young's Modulus	IS 9221
82	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS 2720 (Part 16)

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83	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test - Angle of Friction	IS 2720 (Part 13)
84	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test - Coefficient of Cohesion	IS 2720 (Part 13)
85	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 Part 40
86	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis - Gravel	IS 2720 Part 4
87	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis - Sand	IS 2720 Part 4
88	MECHANICAL- SOIL AND ROCK	Soil	Hydrometer Analysis - Clay	IS 2720 Part 4
89	MECHANICAL- SOIL AND ROCK	Soil	Hydrometer analysis - Silt	IS 2720 Part 4
90	MECHANICAL- SOIL AND ROCK	Soil	Lab Vane Shear	IS 2720 (Part 30)
91	MECHANICAL- SOIL AND ROCK	Soil	Linear Shrinkage Limit	IS 2720 Part 20
92	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 Part 5
93	MECHANICAL- SOIL AND ROCK	Soil	Moisture Content	IS 2720 Part 2
94	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 Part 5
95	MECHANICAL- SOIL AND ROCK	Soil	Proctor Compaction Test - Modified / Heavy - Maximum Dry Density	IS 2720 (Part 8)
96	MECHANICAL- SOIL AND ROCK	Soil	Proctor Compaction Test - Modified / Heavy - Optimum Moisture Content	IS 2720 (Part 8)
97	MECHANICAL- SOIL AND ROCK	Soil	Proctor Compaction Test - Standard / Light - Maximum Dry Density	IS 2720 (Part 7)
98	MECHANICAL- SOIL AND ROCK	Soil	Proctor Compaction Test - Standard / Light - Optimum Moisture Content	IS 2720 (Part 7)
99	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720 Part 6

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100	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 Part 3
101	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Shear Test - Unconsolidated Undrained - Angle of Friction	IS 2720 (Part 11)
102	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Shear Test - Unconsolidated Undrained - Coefficient of Cohesion	IS 2720 (Part 11)
103	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compressive strength	IS 2720 (Part 10)

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Site Facility				
1	MECHANICAL- SOIL AND ROCK	Clays & Soils	Dry density by core cutter method	IS- 2720 - Part 29
2	MECHANICAL- SOIL AND ROCK	Clays & Soils	Dry density by Sand Replacement	IS: 2720 - Part 28
3	MECHANICAL- SOIL AND ROCK	Clays & Soils	Electrical Resistivity Test - Apparent Soil Resistivity	IS 3043 (Clause 40)
4	MECHANICAL- SOIL AND ROCK	Clays & Soils	Electrical Resistivity Test - Polar Soil Resistivity	IS 3043 (Clause 40)