National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : GOMA ENGINEERING AND CONSULTANCY, 320,JOSHI ESTATE,SARKHEJ-BAVLA HIGHWAY,CHANGODAR, AHMEDABAD, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 01/08/2021 to 31/07/2023 **Last Amended on** 20/09/2021

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- WATER	Drinking Water	Total Dissolved Solid	IS 3025 (Part 16)
2	CHEMICAL- WATER	Water for construction purpose	Acidity	IS 3025 (Part 22)
3	CHEMICAL- WATER	Water for construction purpose	Alkalinity	IS 3025 (Part 23)
4	CHEMICAL- WATER	Water for construction purpose	Chloride	IS 3025 (Part 32)
5	CHEMICAL- WATER	Water for construction purpose	Inorganic Solid	IS 3025 (Part 18)
6	CHEMICAL- WATER	Water for construction purpose	Organic Solid	IS 3025 (Part 18)
7	CHEMICAL- WATER	Water for construction purpose	pH	IS 3025 (Part 11)
8	CHEMICAL- WATER	Water for construction purpose	Sulphate	IS 3025 (Part 24)
9	CHEMICAL- WATER	Water for construction purpose	Total Suspended Solids	IS 3025 (Part 17)
10	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Absolute Viscosity at 60°C	IS 1206 (Part 2)
11	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS 1208
12	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Kinematic Viscosity at 135°C	IS 1206 (Part-3)
13	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration @ 25°C	IS 1203
14	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
15	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS 1202
16	MECHANICAL- BUILDINGS MATERIALS	Bituminous mix	Binder Content	IRC SP 11
17	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Flow Test	ASTM D 6927
18	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshal Stability	ASTM D 6927
19	MECHANICAL- BUILDINGS MATERIALS	Brick	Compressive Strength	IS 3495 (Part 1)
20	MECHANICAL- BUILDINGS MATERIALS	Brick	Dimension-Height	IS 1077
21	MECHANICAL- BUILDINGS MATERIALS	Brick	Dimension-Length	IS 1077
22	MECHANICAL- BUILDINGS MATERIALS	Brick	Dimension-Width	IS 1077

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23	MECHANICAL- BUILDINGS MATERIALS	Brick	Efflorescence	IS 3495 (Part 3)
24	MECHANICAL- BUILDINGS MATERIALS	Brick	Water Absorption	IS 3495 (Part 2)
25	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive Strength	IS 4031 (Part 6)
26	MECHANICAL- BUILDINGS MATERIALS	Cement	Density	IS 4031(Part 11)
27	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness by Blain's air permeability	IS 4031 (Part 2)
28	MECHANICAL- BUILDINGS MATERIALS	Cement	Nominal consistency	IS 4031 (Part 4)
29	MECHANICAL- BUILDINGS MATERIALS	Cement	Setting time (Final)	IS 4031 (Part 5)
30	MECHANICAL- BUILDINGS MATERIALS	Cement	Setting time (Initial)	IS 4031 (Part 5)
31	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness by Le Chattelier	IS 4031(Part 3)
32	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10% Fine Value	IS 2386 (Part 4)
33	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)
34	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
35	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1)
36	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4)
37	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Loss Angle Abrasion	IS 2386 (Part 4)
38	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (sieve size 75 micron to 90 mm)	IS 2386 (Part 1)
39	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
40	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
41	MECHANICAL- BUILDINGS MATERIALS	Concrete	Compressive Strength	IS 516

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42	MECHANICAL- BUILDINGS MATERIALS	Concrete	Slump Test	IS 1199
43	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS 2386 (Part 3)
44	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Material Finer than 75µ	IS 2386 (Part 1)
45	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (sieve size 75 micron to 90 mm)	IS 2386 (Part 1)
46	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
47	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
48	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Compressive Strength	IS 15658
49	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Water Absorption	IS 15658
50	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel HSD Bar/TMT Bar	Yield Strength	IS 1608 (part 1)
51	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel HSD Bar/ TMT Bar	Elongation	IS 1608 : Part 1
52	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel HSD Bar/ TMT Bar	Section Weight per meter	IS : 1786
53	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel HSD Bar/ TMT Bar	Ultimate Tensile Strength	IS 1608 : Part 1
54	MECHANICAL- SOIL AND ROCK	Rock	Density	IS 13030
55	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compressive Strength	IS 9143
56	MECHANICAL- SOIL AND ROCK	Rock	Water Absorption	IS 13030
57	MECHANICAL- SOIL AND ROCK	Soil	CBR Test (Soaked)	IS 2720 (Part 16)
58	MECHANICAL- SOIL AND ROCK	Soil	Consolidation (Cc)	IS 2720 (Part 15)

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59	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear(Angle)	IS 2720 (Part 13)
60	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear(C)	IS 2720 (Part 13)
61	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
62	MECHANICAL- SOIL AND ROCK	Soil	Grain Size analysis	IS 2720 (Part 4)
63	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction(MDD)	IS 2720 (Part 8)
64	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction(OMC)	IS 2720 (Part 8)
65	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction(MDD)	IS 2720 (Part 7)
66	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction(OMC)	IS 2720 (Part 7)
67	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5)
68	MECHANICAL- SOIL AND ROCK	Soil	Moisture Content	IS 2720 (Part 2)
69	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
70	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720 (Part 5)
71	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3)
72	MECHANICAL- SOIL AND ROCK	Soil	Unconfined compression strength	IS 2720 (Part 10)
73	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete Element(Core)	Carbonation	BS EN 14630

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Site Facility				
1	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Any Reinforced Concrete structure surface	Cover measurement of Reinforcement from top surfce of member.	BS 1881 Part 204
2	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Any Reinforced Concrete surface	Half Cell Potential Corrosion Measurement Test	ASTM C876
3	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Any Reinforced Concrete surface	Pulse velocity test in concrete specimen.	IS516 PART5/SECTION1
4	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Any Reinforced Concrete surface	Rebound Hammer test on concrete surface	IS-13311-Part-2
5	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete Element(Core)	Carbonation	BS EN 14630