National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : VINAYAK CONSULTANCY, 22, OM SHANTI NAGAR SOCIETY, BHAVNAGAR ROAD, BOTAD, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-4133 **Page No** 1 of 4

Validity 16/05/2023 to 15/05/2025 **Last Amended on** -

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	Water for construction purpose	Chloride	IS 3025 (Part-32)
2	CHEMICAL- WATER	Water for construction purpose	PH	IS 3025(Part 11)
3	CHEMICAL- WATER	Water for construction purpose	Sulphate	IS 3025(Part-24) Sec-1
4	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Absolute Viscosity	IS 1206 (Part 2)
5	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS 1208
6	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Kinematic Viscosity	IS 1206 (Part 3)
7	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration	IS 1203
8	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softning Point	IS 1205
9	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS 1202
10	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Binder Content	ASTM D 2172
11	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Density	ASTM D 2041
12	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Flow Test	ASTM D 6927
13	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshal stability	IS ASTM D 6927
14	MECHANICAL- BUILDINGS MATERIALS	Brick Clay/ Fly Ash Bricks/ Fly Ash Lime Bricks	Dimension(Height)	IS 1077
15	MECHANICAL- BUILDINGS MATERIALS	Brick Clay/ Fly Ash Bricks/ Fly Ash Lime Bricks	Dimension(Width)	IS 1077
16	MECHANICAL- BUILDINGS MATERIALS	Brick Clay/ Fly Ash Bricks/ Fly Ash Lime Bricks	Dimention(Length)	IS 1077
17	MECHANICAL- BUILDINGS MATERIALS	Brick Clay/ Fly Ash Bricks/ Fly Ash Lime Bricks	Efflorescence	IS 3495 (Part 3)
18	MECHANICAL- BUILDINGS MATERIALS	Brick Clay/ Fly Ash Bricks/ Fly Ash Lime Bricks	Water Absorption	IS 3495 (Part 2)
19	MECHANICAL- BUILDINGS MATERIALS	Brick Clay/Fly Ash Bricks/Fly Ash Lime Bricks	Compressive Strength	IS 3495 (Part 1)

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20	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive Strength	IS 4031 (Part 6)
21	MECHANICAL- BUILDINGS MATERIALS	Cement	Consistency	IS 4031 (Part 4)
22	MECHANICAL- BUILDINGS MATERIALS	Cement	Final Setting Time	IS 4031 (Part 5)
23	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness by Blaine's Method	IS 4031 (Part 2)
24	MECHANICAL- BUILDINGS MATERIALS	Cement	Initial Setting Time	IS 4031 (Part 5)
25	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness by Le-Chatelier method	IS 4031 (Part 3)
26	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 (Part 3)
27	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)
28	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
29	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1)
30	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4)
31	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Los Angles Abrasion Value	IS 2386 (Part 4)
32	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (Sieve sizes: 80 mm, 75 mm, 63 mm, 40 mm, 25 mm, 20 mm, 19 mm, 16 mm, 12.5 mm, 10 mm, 6.3 mm & 4.75 mm)	IS 2386 (Part 1)
33	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
34	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
35	MECHANICAL- BUILDINGS MATERIALS	Concrete Paver Block	Compressive Strength	IS 15658
36	MECHANICAL- BUILDINGS MATERIALS	Concrete Paver Block	Water Absorption	IS 15658
37	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS 2386 (Part 3)

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38	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (Sieve size: 4.75 mm, 2.36 mm, 2mm, 1.18 mm, 600µ, 425 µ, 300 µ, 212 µ, 150 µ & 75 µ)	IS 2386 (Part 1)
39	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
40	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
41	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete Cube	Compressive Strength	IS 516 (Part -1 / Section-1)
42	MECHANICAL- BUILDINGS MATERIALS	High Strength Deformed Steel Bars for Concrete reinforcement	Bend Test	IS 1599
43	MECHANICAL- BUILDINGS MATERIALS	High Strength Deformed Steel Bars for Concrete reinforcement	Elongation	IS 1608 (Part-1)
44	MECHANICAL- BUILDINGS MATERIALS	High Strength Deformed Steel Bars for Concrete Reinforcement	Mass per meter	IS 1786
45	MECHANICAL- BUILDINGS MATERIALS	High Strength Deformed Steel Bars for Concrete Reinforcement	Tensile Strength	IS 1608 (Part-1)
46	MECHANICAL- BUILDINGS MATERIALS	High Strength Deformed Steel Bars for Concrete reinforcement	Yield Strength	IS 1608(Part-1)
47	MECHANICAL- SOIL AND ROCK	Soil	Hydrometer Analysis (Clay)	IS 2720 (Part 4)
48	MECHANICAL- SOIL AND ROCK	Soil	Hydrometer Analysis (Silt)	IS 2720 (Part 4)
49	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS 2720 (Part 16)
50	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Test	IS 2720 (Part 15)
51	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (UU) Angle of Friction	IS 2720 (Part 13)
52	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (UU) Cohesion	IS 2720 (Part 13)
53	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
54	MECHANICAL- SOIL AND ROCK	Soil	Grain Size analysis (Dry analysis) (75 micron to 40 mm)	IS 2720 (Part 4)
55	MECHANICAL- SOIL AND ROCK	Soil	Grain size analysis (Wet) (75 micron to 4.75mm)	IS 2720 (Part 4)

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56	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (MDD)	IS 2720 (Part 8)
57	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (OMC)	IS 2720 (Part 8)
58	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (MDD)	IS 2720 (Part 7)
59	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (OMC)	IS 2720 (Part 7)
60	MECHANICAL- SOIL AND ROCK	Soil	Liquid limit	IS 2720 (Part 5)
61	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
62	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720 (Part 6)
63	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3)