National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : JAY JALARAM ENGINEERING SERVICES, PLOT NO. 416, G.I.D.C., KABILPORE, NAVSARI, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9822 **Page No** 1 of 5

Validity 06/09/2021 to 05/09/2023 **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	MECHANICAL- BUILDINGS MATERIALS	Asphalt Mix	Flow Test	ASTM D 6927
2	MECHANICAL- BUILDINGS MATERIALS	Asphalt Mix	Marshall Stability	ASTM D6927
3	MECHANICAL- BUILDINGS MATERIALS	Bitumen and Bituminous material	Specific Gravity	IS 1202
4	MECHANICAL- BUILDINGS MATERIALS	Bitumen and Bituminous material	Ductility	IS 1208
5	MECHANICAL- BUILDINGS MATERIALS	Bitumen and Bituminous material	Loss on Heating	IS 1212
6	MECHANICAL- BUILDINGS MATERIALS	Bitumen and Bituminous material	Absolute Viscosity	IS 1206
7	MECHANICAL- BUILDINGS MATERIALS	Bitumen and Bituminous material	Kinematics Viscosity	IS 1206
8	MECHANICAL- BUILDINGS MATERIALS	Bitumen and Bituminous material	Penetration	IS 1203
9	MECHANICAL- BUILDINGS MATERIALS	Bitumen and Bituminous material	Softening point	IS 1205
10	MECHANICAL- BUILDINGS MATERIALS	Bituminous Concrete Mix	Binder content	ASTM D2172
11	MECHANICAL- BUILDINGS MATERIALS	Bituminous Concrete Mix	Density of the mix	ASTM D2726
12	MECHANICAL- BUILDINGS MATERIALS	Burnt clay brick	Compressive Strength	IS 3495 (Part 1)
13	MECHANICAL- BUILDINGS MATERIALS	Burnt clay brick	Dimension Height	IS 1077
14	MECHANICAL- BUILDINGS MATERIALS	Burnt clay brick	Dimension Length	IS 1077
15	MECHANICAL- BUILDINGS MATERIALS	Burnt clay brick	Dimension Width	IS 1077
16	MECHANICAL- BUILDINGS MATERIALS	Burnt clay bricks	Efflorescence	IS 3495 (Part 3)
17	MECHANICAL- BUILDINGS MATERIALS	Burnt clay bricks	Water absorption	IS 3495 (Part 2)
18	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness by Blaine air permeability	IS 4031 (Part 2)

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19	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive strength	IS 4031 (Part 6)
20	MECHANICAL- BUILDINGS MATERIALS	Cement	Consistency	IS 4031 (Part 4)
21	MECHANICAL- BUILDINGS MATERIALS	Cement	Density	IS 4031 (Part-11)
22	MECHANICAL- BUILDINGS MATERIALS	Cement	Final setting times	IS 4031 (Part 5)
23	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness by dry sieving (%retained)	IS 4031 (Part 1) Clause No.5
24	MECHANICAL- BUILDINGS MATERIALS	Cement	Initial setting times	IS 4031 (Part 5)
25	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness by Le chatelier methods	IS 4031 (Part 3) Clause-5
26	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	10 % Fines value	IS 2386 (Part-4)
27	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 Part 3
28	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)
29	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part-1)
30	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 Part-1
31	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4)
32	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Los Angeles Abrasion value	IS 2386 Part 4
33	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (4.75 mm to 125 mm)	IS 2386 Part-1
34	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 Part 3
35	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 Part 3
36	MECHANICAL- BUILDINGS MATERIALS	Concrete (Cube)	Compressive Strength	IS 516
37	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS 2386 Part 3

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38	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (75 micron to 4.75mm)	IS 2386 Part-1
39	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Silt Content	IS 2386 Part-1
40	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
41	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
42	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Water Absorption	IS 15658
43	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Compressive Strength	IS 15658
44	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Bend	IS 1599
45	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Yield Strength/ 0.2% Proof stress	IS 1608 (Part - 1)
46	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Elongation	IS 1608 (Part - 1)
47	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Mass	IS 1786
48	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Re-bend	IS 1786
49	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Tensile Strength	IS 1608 (Part - 1)
50	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear test Angle	IS 2720 (Part 13)
51	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear test (Cohesion)	IS 2720 (Part 13)
52	MECHANICAL- SOIL AND ROCK	Soil	Gradation (75 micron to 40 mm)	IS 2720 (Part 4)
53	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (MDD)	IS 2720 (Part 8)
54	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (OMC)	IS 2720 (Part 8)
55	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (MDD)	IS 2720 (Part 7)
56	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (OMC)	IS 2720 (Part 27)

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57	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS 2720 (Part 16)
58	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part- 40)
59	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5)
60	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
61	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS:2720 (Part 6)
62	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part-3)
63	MECHANICAL- SOIL AND ROCK	Soil	Standard Penetration	IS 2131
64	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compressive strength	IS:2720 (Part 10)

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Site Facility				
1	MECHANICAL- SOIL AND ROCK	Soil	Dry Density- (Core Cutting Method)	IS 2720 (Part 29)
2	MECHANICAL- SOIL AND ROCK	Soil	Dry Density- (Sand Replacement Method)	IS 2720 (Part 28)