National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : JEMS MULTI-TECH CONSULTANCY DEODAR, PLOT NO. 149 G.I.D.C, DEODAR, BANASKANTHA, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8723 **Page No** 1 of 4

Validity 26/01/2023 to 25/01/2025 **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	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Absolute Viscosity	IS 1206 (Part 2)
2	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS 1208
3	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Kinematic Viscosity	IS 1206 (Part 3)
4	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Loss on heating	IS 1212
5	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration	IS 1203
6	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
7	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS 1202
8	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Binder Content	ASTM D 2172/D2172-17E1
9	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Compacted Density of Mix	ASTM D2726/D2726M
10	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Flow Test	ASTM D6927
11	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshall Stability	ASTM D6927
12	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive Strength	IS 4031 (Part 6)
13	MECHANICAL- BUILDINGS MATERIALS	Cement	Consistency	IS 4031 (Part 4)
14	MECHANICAL- BUILDINGS MATERIALS	Cement	Determination of Density	IS 4031 (Part 11)
15	MECHANICAL- BUILDINGS MATERIALS	Cement	Final Setting Time	IS 4031 (Part 5)
16	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness by blaine air permeability	IS 4031 (Part 2)
17	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness by dry sieving	IS 4031 (Part 1)
18	MECHANICAL- BUILDINGS MATERIALS	Cement	Initial Setting Time	IS 4031 (Part 5)

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19	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness by Lechatelier method	IS 4031 (Part 3)
20	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10% Fine Value	IS 2386 (Part 4)
21	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Bulk Density	IS 2386 (Part 3)
22	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Crushing Value	IS 2386 (Part 4)
23	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Elongation Index	IS 2386 (Part 1)
24	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Flakiness Index	IS 2386 (Part 1)
25	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Impact Value	IS 2386 (Part 4)
26	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Los Angeles abrasion value	IS 2386 (Part 4)
27	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Sieve Analysis (63 mm to 4.75 mm sieve)	IS 2386 (Part 1)
28	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Soundness (using Sodium Sulphate and Magnesium Sulphate)	IS 2386 (Part 5)
29	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Specific Gravity	IS 2386 (Part 3)
30	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Water Absorption	IS 2386 (Part 3)
31	MECHANICAL- BUILDINGS MATERIALS	Common Burnt Bricks & Fly Ash Bricks	Dimensions (Breadth)	IS 1077
32	MECHANICAL- BUILDINGS MATERIALS	Common Burnt Bricks & Fly Ash Bricks	Dimensions (Height)	IS 1077
33	MECHANICAL- BUILDINGS MATERIALS	Common Burnt Bricks & Fly Ash Bricks	Dimensions (Length)	IS 1077
34	MECHANICAL- BUILDINGS MATERIALS	Common Burnt Bricks & Fly Ash Bricks	Water Absorption	IS 3495 (Part 2)
35	MECHANICAL- BUILDINGS MATERIALS	Common Burnt Bricks & Fly Ash Bricks	Efflorescence	IS 3495 (Part 3)
36	MECHANICAL- BUILDINGS MATERIALS	Common Burnt Bricks &Fly Ash Bricks	Compressive Strength	IS 3495(Part 1)

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37	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	% Finer than 75 microns	IS 2386 (Part 1)
38	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Bulk Density	IS 2386 (Part 3)
39	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Sieve Analysis (10 mm to 150 microns)	IS 2386 (Part 1)
40	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Specific Gravity	IS 2386 (Part 3)
41	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Water Absorption	IS 2386 (Part 3)
42	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Slump	IS 1199: Part-2
43	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Compressive Strength	IS 516: Part-1
44	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Compressive Strength	IS 15658
45	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Water Absorption	IS 15658
46	MECHANICAL- SOIL AND ROCK	Soil	Atterberg's Limits (Liquid Limit)	IS 2720 (Part 5)
47	MECHANICAL- SOIL AND ROCK	Soil	Atterberg'sLimits (Plastic limit)	IS2720(Part5)
48	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio (Soaked)	IS 2720 (part 16)
49	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio(unsoaked)	IS 2720 (part 16)
50	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Test (Cc)	IS 2720 (Part 15)
51	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear (for soil up to 4.75 mm) Phi	IS 2720 (Part 13)
52	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear (for Soil up to 4.75 mm) 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 (90 mm to 75 microns)	IS 2720 (Part 4)
55	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (M.D.D.)	IS 2720 (Part 8)

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56	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (O.M.C.)	IS 2720 (Part 8)
57	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (M.D.D.)	IS 2720 (Part 7)
58	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (O.M.C.)	IS 2720 (Part 7)
59	MECHANICAL- SOIL AND ROCK	Soil	Permeability (Falling Head Method)	IS 2720 (Part 17)
60	MECHANICAL- SOIL AND ROCK	Soil	Permeability (ConstantHead Method)	IS 2720 (Part 17)
61	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720 (Part 6)
62	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3) Sec 1
63	MECHANICAL- SOIL AND ROCK	Soil	Swelling Pressure	IS 2720 (Part 41)
64	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compressive Strength	IS 2720 (Part 10)