National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : JEMS MULTI TECH CONSULTANCY, TECHNO HUB BUILDING, 7-A, NALKUNJ SOCIETY, PART-2, CAMP ROAD, AHMEDABAD, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5142 **Page No** 1 of 5

Validity 18/08/2022 to 17/08/2024 **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	Fire Point	IS 1209
4	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Flash Point	IS 1209
5	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Kinematic Viscosity	IS 1206 (Part 3)
6	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Loss on heating	IS 1212
7	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration	IS 1203
8	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
9	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS 1202
10	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Binder Content	ASTM D2172
11	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Compacted Density of Mix	ASTM D2726
12	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Flow Test	ASTM D6927
13	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshall Stability	ASTM D6927
14	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Theoretical Maximum Specific Gravity and Density	ASTM D2041/D2041M
15	MECHANICAL- BUILDINGS MATERIALS	Cement OPC/PPC	Compressive Strength	IS 4031 (Part 6)
16	MECHANICAL- BUILDINGS MATERIALS	Cement OPC/PPC	Consistency	IS 4031 (Part 4)
17	MECHANICAL- BUILDINGS MATERIALS	Cement OPC/PPC	Determination of Density	IS 4031 (Part 11)
18	MECHANICAL- BUILDINGS MATERIALS	Cement OPC/PPC	Final Setting Time	IS 4031 (Part 5)

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19	MECHANICAL- BUILDINGS MATERIALS	Cement OPC/PPC	Fineness by blaine air permeability	IS 4031 (Part 2)
20	MECHANICAL- BUILDINGS MATERIALS	Cement OPC/PPC	Fineness by dry sieving	IS 4031 (Part 1)
21	MECHANICAL- BUILDINGS MATERIALS	Cement OPC/PPC	Initial Setting Time	IS 4031 (Part 5)
22	MECHANICAL- BUILDINGS MATERIALS	Cement OPC/PPC	Soundness by Le-chatelier method	IS 4031 (Part 3)
23	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	10% Fine Value	IS 2386 (Part 4)
24	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Bulk Density	IS 2386 (Part 3)
25	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Crushing Value	IS 2386 (Part 4)
26	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Elongation Index	IS 2386 (Part 1)
27	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Flakiness Index	IS 2386 (Part 1)
28	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Impact Value	IS 2386 (Part 4)
29	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Los Angeles abrasion value	IS 2386 (Part 4)
30	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Sieve Analysis (90 mm to 4.75 mm sieve)	IS 2386 (Part 1)
31	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Soundness	IS 2386 (Part 5)
32	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Specific Gravity	IS 2386 (Part 3)
33	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Stripping Value of Road Aggregates	IS 6241
34	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Water Absorption	IS 2386 (Part 3)
35	MECHANICAL- BUILDINGS MATERIALS	Common Burnt Bricks & Fly Ash Bricks	Efflorescence	IS 3495 (Part 3)
36	MECHANICAL- BUILDINGS MATERIALS	Common Burnt Clay Building Bricks	Dimensions (Height)	IS 1077
37	MECHANICAL- BUILDINGS MATERIALS	Common Burnt Clay Building Bricks	Dimensions (Length)	IS 1077

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38	MECHANICAL- BUILDINGS MATERIALS	Common Burnt clay building Bricks	Dimensions (Width)	IS 1077
39	MECHANICAL- BUILDINGS MATERIALS	Common Burnt clay building Bricks & Fly Ash Bricks	Compressive Strength	IS 3495 (Part 1)
40	MECHANICAL- BUILDINGS MATERIALS	Common Burnt clay building Bricks & Fly Ash Bricks	Water Absorption	IS 3495 (Part 2)
41	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Bulk Density	IS 2386 (Part 3)
42	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Material finer than 75 micron IS sieve	IS 2386 (Part 1)
43	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Sieve Analysis (10 mm to 150 microns)	IS 2386 (Part 1)
44	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Specific Gravity	IS 2386 (Part 3)
45	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Water Absorption	IS 2386 (Part 3)
46	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Slump	IS 1199(part-1)
47	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Compressive Strength	IS 516(part-1/sec 1)
48	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Flexural Strength of beam	IS 516(Part-1sec 1)
49	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Compressive Strength	IS 15658
50	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Water Absorption	IS 15658
51	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel	Elongation	IS 1608 (Part 1)
52	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel	Nominal mass/meter	IS 1786
53	MECHANICAL- SOIL AND ROCK	Soil	Atterberg's Limits (Liquid Limit)	IS 2720 (Part 5)
54	MECHANICAL- SOIL AND ROCK	Soil	Atterberg's Limits (Plastic limit)	IS 2720 (Part 5)
55	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS 2720 (part 16)

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56	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Test (Cc)	IS 2720 (Part 15)
57	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear (for Soil up to 4.75 mm) Cohesion	IS 2720 (Part 13)
58	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear (for soil up to 4.75 mm) Phi	IS 2720 (Part 13)
59	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
60	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (90 mm to 75 microns)	IS 2720 (Part 4)
61	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (M.D.D.)	IS 2720 (Part 8)
62	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (O.M.C.)	IS 2720 (Part 8)
63	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (M.D.D.)	IS 2720 (Part 7)
64	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (O.M.C.)	IS 2720 (Part 7)
65	MECHANICAL- SOIL AND ROCK	Soil	Permeability (Constant Head Method)	IS 2720 (Part 17)
66	MECHANICAL- SOIL AND ROCK	Soil	Permeability (Falling Head Method)	IS 2720 (Part 17)
67	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720 (Part 6)
68	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3)
69	MECHANICAL- SOIL AND ROCK	Soil	Swelling Pressure	IS 2720 (Part 41)
70	MECHANICAL- SOIL AND ROCK	Soil	Tri Axial Shear Strength (UU-without measurement of pore water pressure) Cohesion	IS 2720 (Part 11)
71	MECHANICAL- SOIL AND ROCK	Soil	Tri Axial Shear Strength (UU-without measurement of pore water pressure) Phi	IS 2720 (Part 11)
72	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compressive Strength	IS 2720 (Part 10)

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Site Facility				
1	MECHANICAL- BUILDINGS MATERIALS	Bituminous Pavements	Benkelman Beam Deflection	IRC 81
2	MECHANICAL- SOIL AND ROCK	Soil	Field Density (By Core Cutter Method)	IS 2720 (Part 29)
3	MECHANICAL- SOIL AND ROCK	Soil	Field Density (By Sand Replacement Method)	IS 2720 (Part 28)
4	MECHANICAL- SOIL AND ROCK	Soil	Field Moisture Content (By Core Cutter Method)	IS 2720 (Part 2)
5	MECHANICAL- SOIL AND ROCK	Soil	Field Moisture Content (By Sand Replacement Method)	IS 2720 (Part 2)
6	MECHANICAL- SOIL AND ROCK	Soil	Standard Penetration Test	IS 2131
7	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete deep foundations	Low Strain Impact Integrity Testing of Deep Foundations	ASTM D5882