National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : MERIDIAN CONSTRUCTIONS, D-4, KUSUM VIHAR, RAMNAGRIA ROAD, JAIPUR, RAJASTHAN, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 29/03/2022 to 28/03/2024 **Last Amended on** 07/09/2022

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 Test	IS 1208
3	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Elastic Recovery	IS 15462
4	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Flash Point	IS 1209
5	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Kinematic Viscosity	IS 1202 (Part 2)
6	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration Test	IS 1203
7	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
8	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Solubility in Trichloroethylene	IS 1216
9	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS 1202
10	MECHANICAL- BUILDINGS MATERIALS	Bituminous Core	Density	ASTM D2726
11	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Maximum Theoretical Specific Gravity (Gmm)	ASTM D2041
12	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix/ Core	Bitumen Content	IRC SP 112
13	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix/ Core	Marshal Stability Test	ASTM D6927
14	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix/ Core	Tensile Strength Ratio	IRC SP 79 (Annex-E)
15	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	Compressive Strength	IS 3495 (Part 1)
16	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	Dimension (Height)	IS 1077
17	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	Dimension (Length)	IS 1077
18	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	Dimension (Width)	IS 1077

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19	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	Efflorescence	IS 3495 (Part 3)
20	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	Water Absorption	IS 3495 (Part 2)
21	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC)	Compressive Strength (28 Days)	IS 4031 (Part 6)
22	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC)	Compressive Strength (3 Days)	IS 4031 (Part 6)
23	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC)	Compressive Strength (7 Days)	IS 4031 (Part 6)
24	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC)	Consistency	IS 4031 (Part 4)
25	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC)	Density	IS 4031 (Part 11)
26	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC)	Final Setting Time	IS 4031 (Part 5)
27	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC)	Fineness Test (By Blaine's Air Permeability)	IS 4031 (Part 2)
28	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC)	Fineness Test (by Dry Sieve 90 micron IS Sieve)	IS 4031 (Part 1)
29	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC)	Initial Setting Time	IS 4031 (Part 5)
30	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC)	Soundness by Le-Chatelier Method	IS 4031 (Part 3)
31	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	10 % Fines Value	IS 2386 (Part 4)
32	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Bulk Density (Compacted)	IS 2386 (Part 3)
33	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Bulk Density (Loose)	IS 2386 (Part 3)
34	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Crushing Value	IS 2386 (Part 4)
35	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Elongation Index	IS 2386 (Part 1)
36	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Flakiness Index	IS 2386 (Part 1)
37	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Impact Value	IS 2386 (Part 4)

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38	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Los Angles Abrasion Value	IS 2386 (Part 4)
39	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Sieve Analysis (Sieve Size: 2.36 mm to 100 mm)	IS 2386 (Part 1)
40	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Specific Gravity	IS 2386 (Part 3)
41	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Water Absorption	IS 2386 (Part 3)
42	MECHANICAL- BUILDINGS MATERIALS	Concrete	Workability by Slump Test	IS 1199 (Part 2)
43	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube	Compressive Strength of Accelerated Cured Concrete Test	IS 9013
44	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube/ Core	Compressive Strength	IS 516
45	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube/ Core	Density of Hardened Concrete	IS 516 (Part 2, Section 1)
46	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Bulk Density (Compacted)	IS 2386 (Part 3)
47	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Bulk Density (Loose)	IS 2386 (Part 3)
48	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Material Finer than 75 µm	IS 2386 (Part 1)
49	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Sieve Analysis (Sieve Size: 75 µm to 10 mm)	IS 2386 (Part 1)
50	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Specific Gravity	IS 2386 (Part 3)
51	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Water Absorption	IS 2386 (Part 3)
52	MECHANICAL- SOIL AND ROCK	Rock	Dry Relative Density	IS 13030
53	MECHANICAL- SOIL AND ROCK	Rock	Point Load Index	IS 8764
54	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compressive Strength	IS 9143
55	MECHANICAL- SOIL AND ROCK	Rock	Water Content	IS 13030

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56	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio (CBR)	IS 2720 (Part 16)
57	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test - Unit Cohesion	IS 2720 (Part 13)
58	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test- Angle of Internal Friction	IS 2720 (Part 13)
59	MECHANICAL- SOIL AND ROCK	Soil	Dry Sieve Analysis	IS 2720 (Part 4)
60	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
61	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (MDD)	IS 2720 (Part 8)
62	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (OMC)	IS 2720 (Part 8)
63	MECHANICAL- SOIL AND ROCK	Soil	Hydrometer Analysis	IS 2720 (Part 4)
64	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (MDD)	IS 2720 (Part 7)
65	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (OMC)	IS 2720 (Part 7)
66	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5)
67	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
68	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720 (Part 6)
69	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3, Section 2)
70	MECHANICAL- SOIL AND ROCK	Soil	Swelling Pressure	IS 2720 (Part 41)
71	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compression Strength	IS 2720 (Part 10)
72	MECHANICAL- SOIL AND ROCK	Soil	Water Content	IS 2720 (Part 2)
73	MECHANICAL- SOIL AND ROCK	Soil	Wet Sieve Analysis	IS 2720 (Part 4)

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Site Facility				
1	MECHANICAL- SOIL AND ROCK	Soil	Dry Density of Soil by Core Cutter Method	IS 2720 (Part 29)
2	MECHANICAL- SOIL AND ROCK	Soil	Dry Density of Soil by Sand Replacement Method	IS 2720 (Part 28)
3	MECHANICAL- SOIL AND ROCK	Soil	Plate Load Test	IS 1888
4	MECHANICAL- SOIL AND ROCK	Soil	Standard Penetration Test	IS 2131
5	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Bridge Load Test	IRC SP 51
6	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Pile Integrity Test	ASTM D5882
7	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Rebound Hammer	IS 516 (Part 5, Section 4)
8	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Ultrasonic Pulse Velocity Test	IS 516 (Part 5, Section 1)