National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : MARG TEST LAB & ENGINEERING SERVICES, 26, A.B. ROAD, BIAORA, MADHYA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7903 **Page No** 1 of 5

Validity 26/09/2021 to 25/09/2023 **Last Amended on** 23/11/2021

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	TMT Reinforcement Steel (rebar)	Bend Test	IS 1599
2	MECHANICAL- BUILDINGS MATERIALS	TMT Reinforcement Steel (rebar)	Elongation	IS:1608 (Part 1)
3	MECHANICAL- BUILDINGS MATERIALS	TMT Reinforcement Steel (rebar)	Mass Per Meter	IS 1786
4	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS 1208
5	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration	IS 1203
6	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
7	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshall Flow Value	ASTM D 6927
8	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Binder Content	IRC SP-11 (Appendix 5 Clause C)
9	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshall Stability	ASTM D 6927
10	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Brick	Compressive Strength	IS 3495 (Part-1)
11	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Brick	Efflorescence	IS 3495 (Part-3)
12	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Brick	Height	IS 1077
13	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Brick	Length	IS 1077
14	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Brick	Water Absorption	IS 3495 (Part-2)
15	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Brick	Width	IS 1077
16	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Compressive Strength	IS 4031 (Part-6)
17	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	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's Air Permeability	IS 4031 (Part-2)
20	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Initial Setting Time	IS 4031 (Part-5)
21	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Soundness by Le-Chatelier Method	IS 4031 (Part-3)
22	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Standard Consistency	IS 4031 (Part-4)
23	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10% Fines Value	IS 2386 (Part-4)
24	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 (Part-3)
25	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part-4)
26	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part-1)
27	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part-1)
28	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part-4)
29	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Light Weight Pieces (Coal and Lignite)	IS 2386 (Part 2)
30	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (Sieve Sizes – 4.75, 5.6, 6.3, 9.5, 10, 11.2, 12.5, 13.2, 16, 19, 20, 22.4, 25, 26.5, 31.5, 37.5, 40, 45, 53, 63, 75, 80 mm)	IS 2386 (Part-1)
31	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness (by MgSO4)	IS 2386 (Part-5)
32	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness (by Na2SO4)	IS 2386 (Part-5)
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	Coarse Aggregates	Deleterious Material (Clay lumps)	IS 2386 (Part-2)
36	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Materials Finer than 75 micron	IS 2386 (Part 1)

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37	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS 2386 (Part-3)
38	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Organic Impurities	IS 2386 (Part-2)
39	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Percentage of Bulking	IS 2386 (Part-3)
40	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis Aggregate (Sieve Sizes – 0.075, 0.150, 0.300, 0.600, 1.18, 2.36, 4.75, 10 mm)	IS 2386 (Part-1)
41	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness (by MgSO4)	IS 2386 (Part-5)
42	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness (by Na2SO4)	IS 2386 (Part-5)
43	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part-3)
44	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part-3)
45	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Deleterious Material (Clay lumps)	IS 2386 (Part - 2)
46	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Light weight Pieces (Coal & Lignite)	IS 2386 (Part 2)
47	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Material Finer than 75 micron	IS 2386 (Part 1)
48	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Silt & Clay Content	IS 2386 (Part 2)
49	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Bricks	Compressive Strength	IS 3495 (Part-1)
50	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Bricks	Efflorescence	IS 3495 (Part-3)
51	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Bricks	Height	IS 12894
52	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Bricks	Length	IS 12894
53	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Bricks	Water Absorption	IS 3495 (Part-2)
54	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Bricks	Width	IS 12894

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55	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Slump	IS 1199
56	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete (Cube & Core)	Compressive Strength	IS 516 part-1 sec-1
57	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete Beam	Flexural Strength	IS 516
58	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Paving Block	Compressive Strength	IS 15658
59	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Paving Block	Water Absorption	IS 15658
60	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel (rebar)	Re-Bend Test	IS 1786
61	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel (rebar)	Tensile Strength	IS 1608 (Part 1)
62	MECHANICAL- BUILDINGS MATERIALS	TMT Reinforcement Steel (rebar)	Yield Stress	IS 1608 (Part 1)
63	MECHANICAL- SOIL AND ROCK	Rock	Unconfined compressive strength	IS 9143
64	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio (CBR)	IS 2720 (Part-16)
65	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear (Undrained) (C Value)	IS 2720 (Part-13)
66	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear (Undrained) (Phi Value)	IS 2720 (Part-13)
67	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part-40)
68	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (MDD)	IS 2720 (Part-8)
69	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (OMC)	IS 2720 (Part-8)
70	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part-5)
71	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part-5)
72	MECHANICAL- SOIL AND ROCK	Soil	Sieve Analysis (Wet Analysis)	IS 2720 (Part-4)
73	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part-3/Sec-1)

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74	MECHANICAL- SOIL AND ROCK	Soil	Water Content	IS 2720 (Part-2)
75	MECHANICAL- SOIL AND ROCK	Stone	Point Load Strength Index	IS 8764