National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : BHAVYA MATERIAL TESTING LABORATORY, A2-6, GROUND FLOOR, AADINATH JAIN RESIDENCY, BHIM, RAJSAMAND, RAJASTHAN, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 11/03/2023 to 10/03/2025 **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	Autoclaved Aerated Concrete (AAC) Blocks or Autoclaved Cellular Concrete (ACC)Blocks	Compressive Strength	IS 6441 (Part 5)
2	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Aerated Concrete (AAC) Blocks or Autoclaved Cellular Concrete (ACC)Blocks	Moisture Content	IS 6441 (Part 1)
3	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS 1208
4	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Flash Point	IS 1209 RA
5	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration	IS 1203
6	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
7	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Solubility in Trichloroethylene	IS 1216
8	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS 1202
9	MECHANICAL- BUILDINGS MATERIALS	Bitumen Macadam (BM)	Bituminous Macadam Gradation	MORTH 5th Revision,cl. 504,T 500-7
10	MECHANICAL- BUILDINGS MATERIALS	Bituminous Concrete (BC)	BC Gradation	MORTH 5th Revision,cl. 507,T 500-17
11	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix / Core	Binder Content	IRC SP 11 Clause C, Appendix 5
12	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix / Core	Density	ASTM D2726
13	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix / Core	Maximum Theoretical Specific Gravity	ASTM D2041
14	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix Cores	Marshal Stability	ASTM D6927
15	MECHANICAL- BUILDINGS MATERIALS	Brunt Clay Bricks / Fly Ash Bricks	Compressive Strength	IS 3495 (Part 1)
16	MECHANICAL- BUILDINGS MATERIALS	Brunt Clay Bricks / Fly Ash Bricks	Efflorescence	IS 3495 (Part 3)
17	MECHANICAL- BUILDINGS MATERIALS	Brunt Clay Bricks / Fly Ash Bricks	Water Absorption	IS 3495 (Part 2)
18	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Abrasion Value by Los Angels Machine	IS 2386 (Part 4)cl. 5.2

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19	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 (Part 3) Cl. 3
20	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Crushing Value	IS 2386 (Part 4 Cl. 2)
21	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Elongation Index	IS 2386 (Part 1 ,Cl. 5)
22	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Flakiness Index	IS 2386 (Part 1, Cl. 4)
23	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Impact Value	IS 2386 (Part 4 Cl. 4)
24	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Sieve Analysis (4.75 mm to 80 mm)	IS 2386 (Part 1,Cl.2)
25	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Soundness by Na2so4 & Mgso4	IS 2386 (Part 5, Cl.)
26	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Specific Gravity	IS 2386 (Part 3, Cl 2)
27	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Ten Percent Fines Value	IS 2386 (Part 4, Cl.3)
28	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Water Absorption	IS 2386 (Part 3,Cl.2)
29	MECHANICAL- BUILDINGS MATERIALS	Crusher-Run Macadam (CRM)	CRM Gradation	MORTH 5th Revision,cl. 407,T 400-14
30	MECHANICAL- BUILDINGS MATERIALS	Dense Bituminous Macadam (DBM)	DBM Gradation	MORTH 5th Revision,cl. 505,T 500-10
31	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Clay, Fine Silt & Fine Dust (Sedimentation)	IS 2386 (Part 2) cl 3
32	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Materials Finer Than 75 micron	IS 2386 (Part 1) cl. 3
33	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Bulk Density	IS 2386 (Part 3,Cl.)
34	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Sieve Analysis (0.15 to 10 mm)	IS 2386 (Part 1,Cl.)
35	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Soundness by Na2So4 & MgSo4	IS 2386 (Part 5,Cl.)
36	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Specific Gravity	IS 2386 (Part 3,Cl.2)
37	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Water Absorption	IS 2386 (Part 3 Cl.2)

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38	MECHANICAL- BUILDINGS MATERIALS	Granular Sub Base (GSB)	GSB Gradation	MORTH 5th Revision,cl. 401 T 400-1
39	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Beam Flexural Strength	IS 516
40	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Compressive Strength of Accelerated Cured Concrete by Boiling Water Method	IS 9013
41	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Core Compressive Strength	IS 516 (Part 4)
42	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Cube Compressive Strength	IS 516 (1959)
43	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Compressive Strength	IS 2185 (Part 1) Annex D
44	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Moisture Content	IS 2185 (Part 1) Annex E
45	MECHANICAL- BUILDINGS MATERIALS	OPC & PPC	Compressive Strength	IS 4031 (Part6)
46	MECHANICAL- BUILDINGS MATERIALS	OPC & PPC	Consistency	IS 4031 (Part 4)
47	MECHANICAL- BUILDINGS MATERIALS	OPC & PPC	Density	IS 4031 (Part 11)
48	MECHANICAL- BUILDINGS MATERIALS	OPC & PPC	Final Setting Time	IS 4031 (Part 5)
49	MECHANICAL- BUILDINGS MATERIALS	OPC & PPC	Fineness by Blaine Air Permeability Method	IS 4031 (Part 2)
50	MECHANICAL- BUILDINGS MATERIALS	OPC & PPC	Initial Setting Time	IS 4031 (Part 5)
51	MECHANICAL- BUILDINGS MATERIALS	OPC & PPC	Soundness by Le-Chatelier Method	IS 4031 (Part 3)
52	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Paver Blocks	Compressive Strength	IS 15658 (Annex D)
53	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Paver Blocks	Water Absorption	IS 15658 (Annex C)
54	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Bars	Nominal Mass	IS 1786 (2008)
55	MECHANICAL- BUILDINGS MATERIALS	Semi Dense Bituminous Concrete (SDBC)	SDBC Gradation	MORTH 4th Revision,cl. 508,T 500-15

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56	MECHANICAL- BUILDINGS MATERIALS	Water Bound Macadam (WBM)	WBM Gradation	MORTH 5th Revision,cl. 404,T 400-9
57	MECHANICAL- BUILDINGS MATERIALS	Wet Mix Macadam (WMM)	WMM Gradation	MORTH 5th Revision,cl. 406,T 400-13
58	MECHANICAL- SOIL AND ROCK	Natural Building Stone	Water Absorption	IS 1124
59	MECHANICAL- SOIL AND ROCK	Natural Building Stones	Compressive Strength	IS 1121 (Part 1) 2013
60	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compressive Strength	IS 9143
61	MECHANICAL- SOIL AND ROCK	Rock	Water Absorption	IS 13030
62	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear - Cohesion	IS 2720 (Part 13)
63	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear -Angle of Shearing Resistance	IS 2720 (Part 13)
64	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
65	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis(0.075 to 4.75 mm)	IS 2720 (Part 4)
66	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction - Maximum Dry Density	IS 2720 (Part 7)
67	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction - Optimum Moisture Content	IS 2720 (Part 7)
68	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit (Cone Penetrometer)	IS 2720 (Part 5)
69	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
70	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3/Sec.1)
71	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compressive Strength	IS 2720 (Part 11)
72	MECHANICAL- SOIL AND ROCK	Soil	Water Content	IS 2720 (Part 2)
73	MECHANICAL- SOIL AND ROCK	Soil / GSB / WMM	Heavy Compaction - Maximum Dry Density	IS 2720 (Part 8)
74	MECHANICAL- SOIL AND ROCK	Soil / GSB / WMM	Heavy Compaction - Optimum Moisture Content	IS 2720 (Part 8)

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75	MECHANICAL- SOIL AND ROCK	Soil/GSB/WMM	California Bearing Ratio	IS 2720 (Part 16)

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Site Facility				
1	MECHANICAL- SOIL AND ROCK	Soil	Dry Density by Core Cutter Method	IS 2720 (Part 29)
2	MECHANICAL- SOIL AND ROCK	Soil	Standard Penetration Test	IS 2131
3	MECHANICAL- SOIL AND ROCK	Soil / GSB / WMM	Dry Density by Sand Replacement Method	IS 2720 (Part 28)