National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : AMBILE TESTING AND RESEARCH LABS, PLOT NO -32 BASEMENT, VAISHALI ELEGENCE, GANDHI PATH WEST, VAISHALI NAGAR, JAIPUR, RAJASTHAN, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 19/04/2021 to 18/04/2023 **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	AAC	Dimension	IS 2185(Part-3)
2	MECHANICAL- BUILDINGS MATERIALS	AAC Blocks	Moisture Content	IS 6441(Part-1)
3	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Compressive Strength	IS 6441(Part-5)
4	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Density in oven dry Condition	IS 6441(Part-1)
5	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Fine)	Bulk Density	IS 2386 (P-3)
6	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Fine)	Bulking of Sand	IS 2386 (P-3)
7	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Fine)	Clay lumps	IS 2386 (P-2)
8	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Fine)	Material Finer than 75micron IS sieve	IS 2386(Part 1)
9	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Fine)	Sieve Analysis (150 micron to 10 mm)	IS 2386 (P-1)
10	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Fine)	Silt Content	CPWD Specification
11	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Fine)	Soundness	IS 2386 (P-5)
12	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Fine)	Specific Gravity	IS 2386 (P-3)
13	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Fine)	Water Absorption	IS 2386(P-3)
14	MECHANICAL- BUILDINGS MATERIALS	Brick	Compressive Strength	IS 3495(Part-1)
15	MECHANICAL- BUILDINGS MATERIALS	Brick	Dimension- Height	IS 1077
16	MECHANICAL- BUILDINGS MATERIALS	Brick	Dimension Length	IS 1077
17	MECHANICAL- BUILDINGS MATERIALS	Brick	dimension-Width	IS 1077
18	MECHANICAL- BUILDINGS MATERIALS	Brick	Efflorescence	IS 3495 (Part-3)

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19	MECHANICAL- BUILDINGS MATERIALS	Brick	Water Absorption	IS 3495(Part-2)
20	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Water Absorption	IS 1237
21	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Wet Transverse Strength	IS 1237
22	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tile	Breaking Strength	IS 13630 (part-6)
23	MECHANICAL- BUILDINGS MATERIALS	ceramic tile	Bulk Density	IS 13630(Part-2)
24	MECHANICAL- BUILDINGS MATERIALS	Ceramic tile	Dimension	IS 13630 (Part-1)
25	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tile	Modulus of rupture	IS 13630(P-6)
26	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tile	Scratch Hardness by Moh's Scale	IS 13630 (Part 13)
27	MECHANICAL- BUILDINGS MATERIALS	Ceramic tile	Thermal shock resistance	IS 13630(Part-5)
28	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tile	Water Absorption	IS 13630(P-2)
29	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Breaking Strength	IS 13630(P-6)
30	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete tile	Dimension	IS 13801
31	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete tile	Water Absorption	IS 13801
32	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete tile	Wet Transverse Strength	IS 13801
33	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10% fine value	IS 2386 (P-4)
34	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Abrasion Value	IS 2386 (P-4)
35	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 (P-3)
36	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Clay lumps	IS 2386(P-2)
37	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (P-4)

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38	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (P-1)
39	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (P-1)
40	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (P-4)
41	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Material Finer than 75micron IS sieve	IS 2386(Part 1)
42	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (2.36 mm to 80 mm)	IS 2386 (P-1)
43	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soft particle	IS 2386(P-2)
44	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness	IS 2386 (P-5)
45	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (P-3)
46	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (P-3)
47	MECHANICAL- BUILDINGS MATERIALS	Concrete	Concrete flow value	IS 9103
48	MECHANICAL- BUILDINGS MATERIALS	Concrete	Concrete mix Design proportioning	IS 10262
49	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube	Compressive Strength	IS 516
50	MECHANICAL- BUILDINGS MATERIALS	Core	Compressive Strength	IS 516 (Part-4)
51	MECHANICAL- BUILDINGS MATERIALS	Flush door Shutter	Dimension	IS 4020 (part:2)
52	MECHANICAL- BUILDINGS MATERIALS	Flush door Shutter	End Immersion	IS 4020(Part-13)
53	MECHANICAL- BUILDINGS MATERIALS	Flush door shutter	Glue Adhesion	IS:4020 (Part-15)
54	MECHANICAL- BUILDINGS MATERIALS	Flush door Shutter	Knife Test	IS 4020(Part-14)
55	MECHANICAL- BUILDINGS MATERIALS	flush door Shutter	Moisture Content	IS 11215
56	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Slump	IS 1199

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57	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement	Compressive Strength	IS 4031 (P-6)
58	MECHANICAL- BUILDINGS MATERIALS	Hydraulic cement	Consistency	IS 4031 (P-4)
59	MECHANICAL- BUILDINGS MATERIALS	Hydraulic cement	Density	IS 4031(P-11)
60	MECHANICAL- BUILDINGS MATERIALS	Hydraulic cement	Setting Time Final	IS 4031 (P-5)
61	MECHANICAL- BUILDINGS MATERIALS	Hydraulic cement	Setting Time Initial	IS 4031 (P-5)
62	MECHANICAL- BUILDINGS MATERIALS	Hydraulic cement	Soundness by 1.Le-Chatelier method	IS 4031 (P-3)
63	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Compressive Strength	IS 15658(Annexure D)
64	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Dimension(Thickness)	IS 15658 (Annexure B)
65	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Water Absorption	IS 15658(Annexure C)
66	MECHANICAL- BUILDINGS MATERIALS	Tar and Bituminous material	Flush Points and Fire Points	IS 1209
67	MECHANICAL- BUILDINGS MATERIALS	Tar and Bituminous materials	Bitumen Content	IRC SP 11
68	MECHANICAL- BUILDINGS MATERIALS	Tar and Bituminous materials	Density	ASTM D 2726/D 2726 M
69	MECHANICAL- BUILDINGS MATERIALS	Tar and Bituminous materials	Penetration	IS 1203
70	MECHANICAL- BUILDINGS MATERIALS	Tar and Bituminous materials	Softening Point	IS 1205
71	MECHANICAL- SOIL AND ROCK	Bentonite	Fineness	IS 6186
72	MECHANICAL- SOIL AND ROCK	Bentonite	Free Swell Index	IS 2720(P-40)
73	MECHANICAL- SOIL AND ROCK	Bentonite	Gel Formation Index	IS 6186
74	MECHANICAL- SOIL AND ROCK	Bentonite	Liquid Limit	IS 2720(P-5)
75	MECHANICAL- SOIL AND ROCK	Bentonite	Moisture Content	IS 6186

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76	MECHANICAL- SOIL AND ROCK	Bentonite	Sand Content	IS 6186
77	MECHANICAL- SOIL AND ROCK	Soil & Granular Material	Direct Shear Test Angle of internal friction	IS 2720-Part 13
78	MECHANICAL- SOIL AND ROCK	Soil & Granular Material	Direct Shear Test Cohesion	IS 2720-Part 13
79	MECHANICAL- SOIL AND ROCK	Soils & Granular Material	C.B.R	IS 2720(Part-16)
80	MECHANICAL- SOIL AND ROCK	Soils & Granular Material	Free swell Index	IS 2720
81	MECHANICAL- SOIL AND ROCK	Soils & Granular Material	Grain Size Analysis	IS 2720(Part-4)
82	MECHANICAL- SOIL AND ROCK	Soils & Granular Material	Liquid Limit	IS 2720(Part-5)
83	MECHANICAL- SOIL AND ROCK	Soils & Granular Material	MDD (by Heavy Compaction)	IS 2720(Part-8)
84	MECHANICAL- SOIL AND ROCK	Soils & Granular Material	MDD(by Light Compaction)	IS 2720(Part-7
85	MECHANICAL- SOIL AND ROCK	Soils & Granular Material	OMC(By Heavy Compaction)	IS 2720(P-8)
86	MECHANICAL- SOIL AND ROCK	Soils & Granular Material	OMC(By Light Compaction)	IS 2720(P-7)
87	MECHANICAL- SOIL AND ROCK	Soils & Granular Material	Plastic Limit	IS 2720(Part-5)
88	MECHANICAL- SOIL AND ROCK	Soils & Granular Material	Shrinkage Limit	IS 2720(Part-6)
89	MECHANICAL- SOIL AND ROCK	Soils & Granular Material	Water Content	IS 2720(Part-2)
90	MECHANICAL- SOIL AND ROCK	Stones	Compressive strength	IS 1121(P-1)
91	MECHANICAL- SOIL AND ROCK	Stones	Dry Density	IS 13030
92	MECHANICAL- SOIL AND ROCK	Stones	Durability	IS 1126
93	MECHANICAL- SOIL AND ROCK	Stones	Porosity	IS 1124
94	MECHANICAL- SOIL AND ROCK	Stones	Tensile Strength	IS 1121(Part-3)

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95	MECHANICAL- SOIL AND ROCK	Stones	Transverse Strength	IS 1121(P-2)
96	MECHANICAL- SOIL AND ROCK	Stones	True Specific Gravity	IS 1122
97	MECHANICAL- SOIL AND ROCK	Stones	Water Absorption	IS 1124

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Site Facility				
1	MECHANICAL- SOIL AND ROCK	Soils	Dry Density of Soils, By the Core cutter Method	IS 2720 (Part 29)
2	MECHANICAL- SOIL AND ROCK	Soils & Granular Material	Dry Density of Soils, By the Sand Replacement Method	IS 2720 (Part 28)