National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ALEX TESTING LAB, HALL NO. 1, PLOT NO - 4/237 BASEMENT, CHITRAKOOT, VAISHALI NAGAR, JAIPUR, RAJASTHAN, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10576 **Page No** 1 of 5

Validity 03/05/2022 to 02/05/2024 **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	Aggregate (Coarse)	Crushing Value	IS 2386 (Part 4)
2	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Elongation Index	IS 2386 (Part 1)
3	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Flakiness Index	IS 2386 (Part 1)
4	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Particles finer than 75 micron	IS 2386 (Part 1)
5	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Sieve Analysis (Sieve Size: 80 mm to 4.75 mm)	IS 2386 (Part 1)
6	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Specific Gravity	IS 2386 (Part 3)
7	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Fine)	Bulk Density	IS 2386 (Part 3)
8	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Fine)	Bulking of Sand	IS 2386 (Part 3)
9	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Fine)	Organic Impurities	IS 2386 (Part 2)
10	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Fine)	Particles finer than 75 micron	IS 2386 (Part 1)
11	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Fine)	Specific Gravity	IS 2386 (Part 3)
12	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Fine)	Surface Moisture	IS 2386 (Part 3)
13	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Fine)	Water Absorption	IS 2386 (Part 3)
14	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	10% fine value	IS 2386 (Part 4)
15	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Abrasion Value	IS 2386 (Part 4)
16	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Bulk Density	IS 2386 (Part 3)
17	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Impact Value	IS 2386 (Part 4)
18	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Water Absorption	IS 2386 (Part 3)

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19	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Fine)	Sieve Analysis (Sieve Size: 10 mm to 0.150 mm)	IS 2386 (Part 1)
20	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Bitumen Content	IRC:SP:11
21	MECHANICAL- BUILDINGS MATERIALS	Burnt clay bricks/ Fly ash bricks	Compressive Strength	IS 3495 (Part 1)
22	MECHANICAL- BUILDINGS MATERIALS	Burnt clay bricks/ Fly ash bricks	Dimension (Height)	IS 1077
23	MECHANICAL- BUILDINGS MATERIALS	Burnt clay bricks/ Fly ash bricks	Dimension (Length)	IS 1077
24	MECHANICAL- BUILDINGS MATERIALS	Burnt clay bricks/ Fly ash bricks	Dimension (Width)	IS 1077
25	MECHANICAL- BUILDINGS MATERIALS	Burnt clay bricks/ Fly ash bricks	Efflorescence	IS 3495 (Part 3)
26	MECHANICAL- BUILDINGS MATERIALS	Burnt clay bricks/ Fly ash bricks	Water absorption	IS 3495 (Part 2)
27	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC / PPC)	Compressive Strength	IS 4031 (Part 6)
28	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC / PPC)	Consistency	IS 4031 (Part-4)
29	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC / PPC)	Density	IS 4031 (Part 11)
30	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC / PPC)	Setting Time Initial	IS 4031 (Part 5)
31	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC / PPC)	Soundness by Le-Chatelier Test	IS 4031 (Part 3)
32	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/ PPC)	Setting Time Final	IS 4031 (Part 5)
33	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Breaking Strength	IS 13630 (Part 6)
34	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Modulus of rupture	IS 13630 (Part 6)
35	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Water Absorption	IS 13630 (Part 2)
36	MECHANICAL- BUILDINGS MATERIALS	Chequered Tile	Water Absorption	IS 13801
37	MECHANICAL- BUILDINGS MATERIALS	Chequered Tile	Wet Transverse Strength	IS 13801

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38	MECHANICAL- BUILDINGS MATERIALS	Concrete Tiles	Water Absorption	IS 1237-2012 Annex-E
39	MECHANICAL- BUILDINGS MATERIALS	Concrete Tiles	Wet Transverse Strength	IS 1237-2012 Annex-F
40	MECHANICAL- BUILDINGS MATERIALS	Concrete	Compressive Strength	IS 516
41	MECHANICAL- BUILDINGS MATERIALS	Concrete	Slump	IS 1199
42	MECHANICAL- BUILDINGS MATERIALS	Door / Window	Dimension(Thickness)	IS 4020 (Part 2)
43	MECHANICAL- BUILDINGS MATERIALS	Door / Window	End Immersion Test	IS 4020 (Part 13)
44	MECHANICAL- BUILDINGS MATERIALS	Door / Window	Glue Adhesion Test	IS 4020 (Part 15)
45	MECHANICAL- BUILDINGS MATERIALS	Door / Window	Knife test	IS 4020 (Part 14)
46	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Compressive Strength	IS 15658 Annex-D
47	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Dimension (L)	IS 15658 Annex-B
48	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Dimension (T)	IS 15658 Annex-B
49	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Dimension (W)	IS 15658 Annex-B
50	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Water Absorption	IS 15658 Annex-c
51	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel Bar	Re-Bend Test	IS 1786
52	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel Bar	Total Elongation at maximum force	IS 1608 (Part 1)
53	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel Bar	% Elongation	IS 1608 (Part 1)
54	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel Bar	Bend Test	IS 1599
55	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel Bar	Nominal Mass	IS 1786
56	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel Bar	Ultimate Tensile Strength	IS 1608 (Part 1)

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57	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel Bar	Yield Stress	IS 1608 (Part 1)
58	MECHANICAL- BUILDINGS MATERIALS	Solid & Hollow Block	Block Density	IS 6441 (Part 1)
59	MECHANICAL- BUILDINGS MATERIALS	Solid & Hollow Block	Compressive strength	IS 6441 (Part 5)
60	MECHANICAL- BUILDINGS MATERIALS	Solid & Hollow Block	Dimension (H)	IS 2185 (Part 1)
61	MECHANICAL- BUILDINGS MATERIALS	Solid & Hollow Block	Dimension (L)	IS 2185 (Part 1)
62	MECHANICAL- BUILDINGS MATERIALS	Solid & Hollow Block	Dimension (W)	IS 2185 (Part 1)
63	MECHANICAL- BUILDINGS MATERIALS	Solid & Hollow Block	Moisture Content	IS 6441 (Part 1)
64	MECHANICAL- BUILDINGS MATERIALS	Stone	Compressive strength	IS 1121 (Part 1)
65	MECHANICAL- BUILDINGS MATERIALS	Stone	Moisture Content	IS 13030
66	MECHANICAL- BUILDINGS MATERIALS	Stone	Specific Gravity	IS 1122
67	MECHANICAL- BUILDINGS MATERIALS	Stone	Water Absorption	IS 1124
68	MECHANICAL- SOIL AND ROCK	Soil	CBR Test	IS: 2720 part-16
69	MECHANICAL- SOIL AND ROCK	Soil	Direct shear test (Unconsolidated Undrained)	IS:2720 (Part-13)
70	MECHANICAL- SOIL AND ROCK	Soil	Direct shear test (Unconsolidated Undrained)	IS:2720 (Part-13)
71	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (Sieve Size: 4.75 mm to 75 micron)	IS 2720 (Part 4)
72	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction Test (MDD)	IS:2720(P-8)
73	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction Test (OMC)	IS:2720(P-8)
74	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction Test (MDD)	IS:2720(P-7)
75	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction Test (OMC)	IS:2720(P-7)

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76	MECHANICAL- SOIL AND ROCK	Soil	Liquid limit	IS:2720(P-5)
77	MECHANICAL- SOIL AND ROCK	Soil	Plastic limit	IS:2720(P-5)