National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ELITE TESTING LAB PRIVATE LIMITED, ROAD NO-05, INDRAPURI, RANCHI, JHARKHAND, INDIA

Accreditation Standard ISO/IEC 17025:2017

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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 BLOCK	DENSITY	IS : 6441 PART 1
2	MECHANICAL- BUILDINGS MATERIALS	Admixtures	Dry Material Content	IS 9103 (Annex-E)
3	MECHANICAL- BUILDINGS MATERIALS	Admixtures	Relative Density	IS 9103 (Annex-E)
4	MECHANICAL- BUILDINGS MATERIALS	Bricks (Burnt Clay Pulverised and flyash bricks)	Compressive Strength	IS 3495 (Part 1)
5	MECHANICAL- BUILDINGS MATERIALS	Bricks (Burnt Clay Pulverised Fuel Flay Ash)	Efflorescence	IS 3495 (Part 3)
6	MECHANICAL- BUILDINGS MATERIALS	Bricks (Burnt Clay Pulverised Fuel Flay Ash)	Water Absorption	IS 3495 (Part 2)
7	MECHANICAL- BUILDINGS MATERIALS	Bricks (Burnt Clay)	Dimensions (Height)	IS 1077
8	MECHANICAL- BUILDINGS MATERIALS	Bricks (Burnt Clay)	Dimensions (Length)	IS 1077
9	MECHANICAL- BUILDINGS MATERIALS	Bricks (Burnt Clay)	Dimensions (Width)	IS 1077
10	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC)	Setting Time (Initial)	IS 4031 (Part 5)
11	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC)	Setting Time (Final)	IS 4031 (Part 5)
12	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC)	Standard Consistency	IS 4031 (Part 4)
13	MECHANICAL- BUILDINGS MATERIALS	CEMENT (OPC,PPC)	COMPRESSIVE STRENGTH (72 HRS,168 HRS,672 HRS)	IS: 4031 (Part-6)
14	MECHANICAL- BUILDINGS MATERIALS	Cement (PPC, OPC)	Soundness by Le-Chatelier Expansion	IS 4031 (Part 3)
15	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tile	Dimension (Width)	IS:1237
16	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Dimension (Height)	IS:1237
17	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Dimension (Length)	IS:1237
18	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Thickness of wearing Layer	IS:1237

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19	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Water Absorption	IS:1237 (Annex-E)
20	MECHANICAL- BUILDINGS MATERIALS	Cement(OPC, PSC,PPC)	Density	IS:4031 (Part 11)
21	MECHANICAL- BUILDINGS MATERIALS	Ceramic tile	Dimension (length)	IS:13630 (Part-1)
22	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Dimension (Thickness)	IS:13630 (Part-1)
23	MECHANICAL- BUILDINGS MATERIALS	Ceramic tiles	Dimension (Width)	IS:13630 (Part-1)
24	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Water Absorption	IS:13630 (Part-2)
25	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tile	Dimension (Length)	IS:13801
26	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete tile	Dimension (Width)	IS:13801
27	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Dimension (Height)	IS:13801
28	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Thickness of Wearing Layer	IS:13801
29	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Water Absorption	IS:13801(Part-2)
30	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS:2386 (P-3)
31	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS:2386(P-4)
32	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS:2386 (P-1)
33	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS:2386(P-1&2)
34	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact value	IS:2386(P-4)
35	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (80mm,63mm,40mm,20mm,16 mm,12.5mm,10mm,4.75mm,2. 36mm)	IS:2386(P-1)
36	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness (Na2SO4 & MgSO4)	IS:2386(P-5)

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37	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS:2836(P-3)
38	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
39	MECHANICAL- BUILDINGS MATERIALS	Concrete Block (Hollow & Solid)	Compressive Strength	IS:2185 (Annex-D)
40	MECHANICAL- BUILDINGS MATERIALS	Concrete Block (Hollow & Solid)	Height	IS:2185 (Part 1, Annexure-B)
41	MECHANICAL- BUILDINGS MATERIALS	Concrete Block (Hollow & Solid)	Length	IS:2185 (Part 1, Annexure-B)
42	MECHANICAL- BUILDINGS MATERIALS	Concrete Block (Hollow & Solid)	Water Absorption	IS:2185 (Annex-E)
43	MECHANICAL- BUILDINGS MATERIALS	Concrete Block (Hollow & Solid)	Width	IS:2185 (Part 1, Annexure-B)
44	MECHANICAL- BUILDINGS MATERIALS	Concrete Core	Compressive Strength	IS:516 (Part-4)
45	MECHANICAL- BUILDINGS MATERIALS	concrete cube/core	Compressive Strength	IS 516
46	MECHANICAL- BUILDINGS MATERIALS	course aggregate	10% Fines Value	IS:2386(P-4)
47	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Material Finer than 75 Micron	IS 2386 (Part 1)
48	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (10mm,4.75mm,2.36mm,1.18 mm,600micron, 300micron,150micron,75micro n)	IS 2386 (Part 1)
49	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness (Na2SO4 & MgSO4)	IS 2386 (Part 5)
50	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
51	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS 2386 (Part 3)
52	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Clay lumps	IS:2386 (P-2)
53	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS:2386 (P-3)
54	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Compressive Strength	IS:1727

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55	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Fineness by wet sieving (Particles retained on 45 microns IS sieve)	IS:1727
56	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Finess by Blaine Air Permeability	IS:1727
57	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Specific Gravity	IS:1727
58	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Brick	Dimension (Height)	IS:12894
59	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Brick	Dimension (Length)	IS:12894
60	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Brick	Dimension (Width)	IS:12894
61	MECHANICAL- BUILDINGS MATERIALS	GSB / WMM	CBR	IS : 2720 part 16
62	MECHANICAL- BUILDINGS MATERIALS	Kerb Stone	Height	IS:5758
63	MECHANICAL- BUILDINGS MATERIALS	Kerb Stone	Length	IS:5758
64	MECHANICAL- BUILDINGS MATERIALS	Kerb Stone	Thickness	IS:5758
65	MECHANICAL- BUILDINGS MATERIALS	Kerb Stone	Water absorption	IS:5758
66	MECHANICAL- BUILDINGS MATERIALS	Marble	Dimension (Length)	IS 1130
67	MECHANICAL- BUILDINGS MATERIALS	Marble	Dimension (Thickness)	IS:1130
68	MECHANICAL- BUILDINGS MATERIALS	Marble	Dimension (width)	IS:1130
69	MECHANICAL- BUILDINGS MATERIALS	Marble	Hardness	IS:13630 (Part-13)
70	MECHANICAL- BUILDINGS MATERIALS	Marble	True Specific gravity	IS 1122
71	MECHANICAL- BUILDINGS MATERIALS	Marble	Water absorption	IS:1124
72	MECHANICAL- BUILDINGS MATERIALS	Micro Silica	Compressive Strength	IS:1727

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73	MECHANICAL- BUILDINGS MATERIALS	Micro Silica	Fineness by wet sieving (Particles retained on 45 microns IS sieve)	IS:1727
74	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Paving Block	Compressive Strength	IS 15658
75	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Paving Block	Dimensions (Length)	IS 15658
76	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Paving Block	Dimensions (Thickness)	IS 15658
77	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Paving Block	Dimensions (Width)	IS 15658
78	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Paving Block	Thickness of wearing layer	IS 15658
79	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Paving Block	water absorption	IS:15658
80	MECHANICAL- BUILDINGS MATERIALS	Water Bound Macadam	Impact Value	IS:2386 (Part-4)
81	MECHANICAL- BUILDINGS MATERIALS	Water Bound Macadam	Sieve Analysis	Morth 5th
82	MECHANICAL- BUILDINGS MATERIALS	Water Bound Macadam	Water Absorption	IS:2386(Part-3)
83	MECHANICAL- BUILDINGS MATERIALS	Wet Mix Macadam	MDD	IS:2720
84	MECHANICAL- BUILDINGS MATERIALS	Wet Mix Macadam	OMC	IS:2720
85	MECHANICAL- BUILDINGS MATERIALS	Wet Mix Macadam	Sieve Analysis	Morth 5th
86	MECHANICAL- BUILDINGS MATERIALS	Wet Mix Macadam	Water Absorption	IS:2386 (Part-3)
87	MECHANICAL- BUILDINGS MATERIALS	Wet Mix Macadom	Impact Value	IS:2386 (Part 4)
88	MECHANICAL- BUILDINGS MATERIALS	Wet Mix Macadom	Liquid Limit test	IS:2720
89	MECHANICAL- BUILDINGS MATERIALS	Wet Mix Macadom	Plastic Limit	IS:2720
90	MECHANICAL- SOIL AND ROCK	BENTONITE	Fineness	IS : 6186

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91	MECHANICAL- SOIL AND ROCK	BENTONITE	Liquid Limit	IS:2720
92	MECHANICAL- SOIL AND ROCK	BENTONITE	Moisture	IS: 6186
93	MECHANICAL- SOIL AND ROCK	BENTONITE	Plastic Limit	IS : 2720
94	MECHANICAL- SOIL AND ROCK	BENTONITE	Sand Content	IS : 6186
95	MECHANICAL- SOIL AND ROCK	Natural Building Stone	Compressive strength	IS :1121 (Part- 1)
96	MECHANICAL- SOIL AND ROCK	Rock	Unconfined compressive strength	IS 9143
97	MECHANICAL- SOIL AND ROCK	Rock	Water Content	IS 13030
98	MECHANICAL- SOIL AND ROCK	SOIL	California Bearing Ratio (CBR)	IS 2720 (Part 16)
99	MECHANICAL- SOIL AND ROCK	SOIL	Direct Shear Test (Ø)	IS 2720 (Part 13) Amd. 1
100	MECHANICAL- SOIL AND ROCK	SOIL	Direct Shear Test, C Value	IS 2720 (Part 13) Amd. 1
101	MECHANICAL- SOIL AND ROCK	SOIL	Free Swell Index	IS 2720 (Part 40)
102	MECHANICAL- SOIL AND ROCK	SOIL	Grain size Analysis - Wet & Dry (75 mm to 75 micron)	IS 2720 (Part 4)
103	MECHANICAL- SOIL AND ROCK	SOIL	Heavy Compaction (OMC)	IS 2720 (Part 8)
104	MECHANICAL- SOIL AND ROCK	SOIL	Heavy Compaction (MDD)	IS 2720 (Part 8)
105	MECHANICAL- SOIL AND ROCK	SOIL	Light Compaction (MDD)	IS 2720 (Part 7) Amd. 2
106	MECHANICAL- SOIL AND ROCK	SOIL	Light Compaction (OMC)	IS 2720 (Part 7) Amd. 2
107	MECHANICAL- SOIL AND ROCK	SOIL	Liquid Limit	IS 2720 (Part 5)
108	MECHANICAL- SOIL AND ROCK	SOIL	Moisture Content	IS 2720 (Part 2)
109	MECHANICAL- SOIL AND ROCK	SOIL	Plastic Limit	IS 2720 (Part 5)

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110	MECHANICAL- SOIL AND ROCK	SOIL	Specific Gravity	IS 2720 (Part 3) Sec 1