National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : INDEX LAB AND CONSULTANTS, B-11 NAVLAKHA COMPLEX, INDORE, MADHYA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 17/07/2022 to 16/07/2024 **Last Amended on** 09/11/2022

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 Cellular Aerated Concrete Products	Block Density	IS 6441 (Part 1)
2	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Aerated Concrete Products	Compressive Strength	IS 6441 (Part 5)
3	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Aerated Concrete Products	Dimensions (Height)	IS 2185 (Part 3)
4	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Aerated Concrete Products	Dimensions (Length)	IS 2185 (Part 3)
5	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Aerated Concrete Products	Dimensions (Thickness)	IS 2185 (Part 3)
6	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Aerated Concrete Products	Drying Shrinkage	IS 6441 (Part 2)
7	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Absolute Viscosity	IS1206 (Part 2)
8	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS 1208 ; Edition 2.1
9	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Fire Point	IS 1209
10	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Flash Point	IS 1209
11	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Kinematic Viscosity	IS 1206 (Part 3)
12	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Mix Design	ASTM D 6927
13	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration	IS 1203
14	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
15	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS 1202
16	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Binder Content	ASTM D 2172
17	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Compacted Density	ASTM D 2726
18	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshall Flow	ASTM D 1559

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19	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshall Stability	ASTM D 1559
20	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks & Fly Ash Bricks	Compressive Strength	IS 3495 (Part 1)
21	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks & Fly Ash Bricks	Dimensions (Height)	IS 1077
22	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks & Fly Ash Bricks	Dimensions (Length)	IS 1077
23	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks & Fly Ash Bricks	Dimensions(Width)	IS 1077
24	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks & Fly Ash Bricks	Efflorescence	IS 3495 ; Part 3
25	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks & Fly Ash Bricks	Water Absorption	IS 3495 ; Part 2
26	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive Strength	IS 4031 (Part 6)
27	MECHANICAL- BUILDINGS MATERIALS	Cement	Consistency	IS 4031 (Part 4)
28	MECHANICAL- BUILDINGS MATERIALS	Cement	Final Setting Time	IS 4031 (Part 5)
29	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness by Blain's Air Permeability	IS 4031 (Part 2)
30	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness by dry sieving (% retained)	IS 4031 (Part 1)
31	MECHANICAL- BUILDINGS MATERIALS	Cement	Initial Setting Time	IS 4031 (Part 5)
32	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness by Autoclave Method	IS 4031 (Part 3)
33	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness by Le-Chatalier Method	IS 4031 (Part 3)
34	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tiles	Water Absorption	IS 1237
35	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Water Absorption	IS 13630 (Part 2)
36	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10 % Fines Value	IS 2386 (Part 4)
37	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 (Part 3)

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38	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)
39	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386
40	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1)
41	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4)
42	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Los Angeles Abrasion Value	IS 2386 (Part 4)
43	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis	IS 4031 (Part 1)
44	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness By Mgso4	IS 2386 (Part 5)
45	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness by Na2SO4	IS 2386 (Part 5)
46	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
47	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Stripping Value	IS 6241
48	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
49	MECHANICAL- BUILDINGS MATERIALS	Concrete	Compressive Strength	IS 516
50	MECHANICAL- BUILDINGS MATERIALS	Concrete	Compressive Strength of cubes (Accelerated Cured Concrete)	IS 9013
51	MECHANICAL- BUILDINGS MATERIALS	Concrete	Flexural Strength	IS 516 ; Part 1, Sec 1
52	MECHANICAL- BUILDINGS MATERIALS	Concrete	Mix Design	IS 10262
53	MECHANICAL- BUILDINGS MATERIALS	Concrete	Slump Test	IS 1199 ; Part 2
54	MECHANICAL- BUILDINGS MATERIALS	Ferrous & Non Ferrous, Metals & Alloys of Bar	% Elongation	IS 1608 ; Part 1
55	MECHANICAL- BUILDINGS MATERIALS	Ferrous & Non Ferrous, Metals & Alloys of Bar	Bend Test	IS 1599
56	MECHANICAL- BUILDINGS MATERIALS	Ferrous & Non Ferrous, Metals & Alloys of Bar	Mass per Meter	IS 1786

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57	MECHANICAL- BUILDINGS MATERIALS	Ferrous & Non Ferrous, Metals & Alloys of Bar	Rebend Test	IS 1786
58	MECHANICAL- BUILDINGS MATERIALS	Ferrous & Non Ferrous, Metals & Alloys of Bar	Ultimate Tensile Strength	IS 1608 ; Part 1
59	MECHANICAL- BUILDINGS MATERIALS	Ferrous & Non Ferrous, Metals & Alloys of Bar	Yield Stress	IS 1608 ; Part 1
60	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS 2386 (Part 3)
61	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulking of Sand	IS 2386 (Part 3)
62	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Finer Than 75 Micron	IS 2386 (Part 1)
63	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (sieve size: 10mm, 4.75mm, 2.36mm, 1.18mm, 0.600mm, 0.300mm, 0.150mm)	IS 4031 (Part 1)
64	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness By Mgso4	IS 2386 (Part 5)
65	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness by Na2SO4	IS 2386 (Part 5)
66	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
67	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
68	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Compressive Strength	IS 1727
69	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Final Setting Time	IS 4031 (Part 5)
70	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Fineness by Blaine	IS 1727
71	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Initial Setting Time	IS 4031 (Part 5)
72	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Lime Reactivity	IS 1727
73	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Particle Retained on 45µ IS Sieve	IS 1727
74	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Soundness by Autoclave	IS 4031 (Part 3)

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75	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Soundness by Le-chatalier Method	IS 4031 (Part 3)
76	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Specific Gravity / Density	IS 1727
77	MECHANICAL- BUILDINGS MATERIALS	Hollow Solid Block	Block Density	IS 2185 (Part 1)
78	MECHANICAL- BUILDINGS MATERIALS	Hollow/Solid Block	Compressive Strength	IS 2185 (Part 1)
79	MECHANICAL- BUILDINGS MATERIALS	Hollow/Solid Block	Water Absorption	IS 2185 (Part 2)
80	MECHANICAL- BUILDINGS MATERIALS	OPC,PPC	Density	IS 4031 (Part 11)
81	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Compressive Strength	IS 15658
82	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Cross Sectional Area	IS 15658
83	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Dimensions (Height)	IS 15658
84	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Dimensions (Length)	IS 15658
85	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Dimensions (Width)	IS 15658
86	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Flexural Strength	IS 15658
87	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Thickness of Wearing Layer	IS 15658
88	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Water Absorption	IS 15658
89	MECHANICAL- BUILDINGS MATERIALS	Tile	Cement Concrete Flooring Tiles - Dimension (Breadth)	IS 1237
90	MECHANICAL- BUILDINGS MATERIALS	Tile	Cement Concrete Flooring Tiles - Dimension (Length)	IS 1237
91	MECHANICAL- BUILDINGS MATERIALS	Tile	Cement Concrete Flooring Tiles - Dimension (Thickness)	IS 1237
92	MECHANICAL- BUILDINGS MATERIALS	Tile	Cement Concrete Flooring Tiles - Thickness of Wearing Layer	IS 1237

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93	MECHANICAL- BUILDINGS MATERIALS	Tile	Ceramic Tiles / Pressed Ceramic (Vitri?ed) Tiles - Dimension (Length)	IS 13630 (Part 1)
94	MECHANICAL- BUILDINGS MATERIALS	Tile	Ceramic Tiles / Pressed Ceramic (Vitri?ed) Tiles - Dimension (Thickness)	IS13630 (Part 1)
95	MECHANICAL- BUILDINGS MATERIALS	Tile	Ceramic Tiles / Pressed Ceramic (Vitri?ed) Tiles - Dimension (Width)	IS13630 (Part 1)
96	MECHANICAL- SOIL AND ROCK	Rock	Dry Density	IS 13030
97	MECHANICAL- SOIL AND ROCK	Rock	Dry Speci?c Gravity	IS 13030
98	MECHANICAL- SOIL AND ROCK	Rock	Point Load Index	IS 8764
99	MECHANICAL- SOIL AND ROCK	Rock	Porosity	IS 13030
100	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compressive Strength	IS 9143
101	MECHANICAL- SOIL AND ROCK	Rock	Water Content	IS 13030
102	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS 2720 (Part 16)
103	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (C)	IS 2720 (Part 39)
104	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test(F)	IS 2720 (Part 39)
105	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 15)
106	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis	IS 2720 (Part 4)
107	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis by Hydrometer by Analysis	IS 2720 (Part 4)
108	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (MDD)	IS 2720 (Part 8)
109	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (OMC)	IS 2720 (Part 8)
110	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (MDD)	IS 2720 (Part 7)

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111	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (OMC)	IS 2720 (Part 7)
112	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5)
113	MECHANICAL- SOIL AND ROCK	Soil	Moisture Content	IS 2720 (Part-2)
114	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
115	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720 (Part 6)
116	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3)
117	MECHANICAL- SOIL AND ROCK	Soil	Tri Axial Shear Test with pore pressure (C)	IS 2720 (Part 12)
118	MECHANICAL- SOIL AND ROCK	Soil	Tri Axial Shear Test with Pore Pressure (F)	IS 2720 (Part 12)

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Site Facility				
1	MECHANICAL- BUILDINGS MATERIALS	Bituminous Concrete pavement	Benkelman Beam Deflection	IRC 81
2	MECHANICAL- BUILDINGS MATERIALS	Concrete and Bituminous pavement	Bump Integration Test	IRC (SP 16)
3	MECHANICAL- BUILDINGS MATERIALS	Reinforced Concrete Structure	Cover Meter Test	BS 1881 (Part 204)
4	MECHANICAL- SOIL- FIELD	Pile	Lateral Load Test	IS 2911 (Part 4)
5	MECHANICAL- SOIL- FIELD	Pile	Pullout Test	IS 2911 (Part 4)
6	MECHANICAL- SOIL- FIELD	Pile	Vertical Load Test - Cyclic Load	IS 2911(Part 4)
7	MECHANICAL- SOIL- FIELD	Pile	Vertical Load Test -Maintain Load	IS 2911 (Part 4)
8	MECHANICAL- SOIL- FIELD	Soil	Core Cutter Method	IS 2720 (Part 29)
9	MECHANICAL- SOIL- FIELD	Soil	Dynamic Cone Penetration Test	IS 4968 (Part 2)
10	MECHANICAL- SOIL- FIELD	Soil	Electrical Resistivity Test	IS 3043
11	MECHANICAL- SOIL- FIELD	Soil	Field CBR Test	IS 2720 (Part 31)
12	MECHANICAL- SOIL- FIELD	Soil	Plate Load Test	IS 1888
13	MECHANICAL- SOIL- FIELD	Soil	Sand Replacement Method	IS 2720 (Part 28)
14	MECHANICAL- SOIL- FIELD	Soil	Sand Replacement Method	IS 2720 (Part 28)
15	MECHANICAL- SOIL- FIELD	Soil	Standard Penetration Test	IS 2131
16	MECHANICAL- SOIL- FIELD	Soil/Rock	Modulus of subgrade reaction	IS 9214
17	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Carbonation Test	BS 1881-201
18	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Hardened Concrete	Rebound Hammer	IS 13311 (Part 2)
19	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Hardened Concrete	Ultrasonic Pulse Velocity	IS 13311 (Part 1)
20	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Pile	Pile Integrity Test	IS 14893

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21	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete	Load Test for Bridge & Slab	IRC-SP-51
22	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Uncoated Reinforcing steel in concrete	Half Cell Potential Test	ASTM C 876