National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : IR SOLUTIONS, SR.NO.122, DANDEKAR BRIDGE, SINHGAD ROAD, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8993 **Page No** 1 of 5

Validity 14/09/2022 to 13/09/2024 **Last Amended on** 13/04/2023

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	Bulk Density	IS 6441 (part 1)
2	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Compressive Strength	IS 6441 (Part 5)
3	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Moisture Content	IS 6441 (Part 1)
4	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS 1208
5	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration	IS 1203
6	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
7	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Binder Content	IRC SP 11
8	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshall Flow Value	ASTM D6927
9	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshall Stability	ASTM D6927
10	MECHANICAL- BUILDINGS MATERIALS	Brick	Compressive Strength	IS 3495 (Part 1)
11	MECHANICAL- BUILDINGS MATERIALS	Brick	Dimension - Height	IS 1077
12	MECHANICAL- BUILDINGS MATERIALS	Brick	Dimension - Length	IS 1077
13	MECHANICAL- BUILDINGS MATERIALS	Brick	Dimension - Width	IS 1077
14	MECHANICAL- BUILDINGS MATERIALS	Brick	Water Absorption	IS 3495 (Part 2)
15	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive Strength	IS 4031 (Part 6)
16	MECHANICAL- BUILDINGS MATERIALS	Cement	Density	IS 4031 (Part 11)
17	MECHANICAL- BUILDINGS MATERIALS	Cement	Final Setting Time	IS 4031 (Part 5)
18	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness By Blaine Air Permeability Method	IS 4031 (Part 2)

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19	MECHANICAL- BUILDINGS MATERIALS	Cement	Initial Setting Time	IS 4031 (Part 5)
20	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness By Le-Chatelier Method	IS 4031 (Part 3)
21	MECHANICAL- BUILDINGS MATERIALS	Cement	Standard Consistency	IS 4031 (Part 4)
22	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete core	Compressive strength of core	IS 516 Part-4
23	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 (Part 3)
24	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)
25	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
26	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1)
27	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4)
28	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (4.75 mm-80 mm)	IS 2386 (Part 1)
29	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
30	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
31	MECHANICAL- BUILDINGS MATERIALS	Concrete	Compressive Strength	IS 516 part 1 Sec 1
32	MECHANICAL- BUILDINGS MATERIALS	Concrete Paver Block	Compressive Strength	IS 15658 Annex D
33	MECHANICAL- BUILDINGS MATERIALS	Concrete Paver Block	Water Absorption	IS 15658 Annex C
34	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS 2386 (Part 3)
35	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Material Finer than 75 Micron	IS 2386 (Part 1)
36	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (75 µm-4.75 mm)	IS 2386 (Part 1)
37	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)

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38	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
39	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Structural Steel	0.2% Proof Stress / Yield Stress	IS 1608 (Part 1)
40	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Structural Steel	Elongation	IS 1608 (Part 1)
41	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Structural Steel	Tensile Strength	IS 1608 (Part 1)
42	MECHANICAL- MECHANICAL PROPERTIES OF METALS	TMT Steel	0.2% Proof Stress / Yield Stress	IS 1608 (Part 1)
43	MECHANICAL- MECHANICAL PROPERTIES OF METALS	TMT Steel	Elongation	IS 1608 (Part 1)
44	MECHANICAL- MECHANICAL PROPERTIES OF METALS	TMT Steel	Mass per meter	IS 1786
45	MECHANICAL- MECHANICAL PROPERTIES OF METALS	TMT Steel	Tensile Strength	IS 1608 (Part 1)
46	MECHANICAL- MECHANICAL PROPERTIES OF METALS	TMT Steel (Round Shape TMT Bar)	Bend Test	IS 1599
47	MECHANICAL- MECHANICAL PROPERTIES OF METALS	TMT Steel (Round Shape TMT Bar)	Re-bend Test	IS 1786
48	MECHANICAL- SOIL AND ROCK	Natural Building Stone	Porosity	IS 1124
49	MECHANICAL- SOIL AND ROCK	Natural Building Stone	True Specific Gravity	IS 1122
50	MECHANICAL- SOIL AND ROCK	Natural Building Stone	Water Absorption	IS 1124
51	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compressive Strength	IS 9143
52	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS 2720 (Part 16)

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53	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
54	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis	IS 2720 (Part 4)
55	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction - Maximum Dry Density	IS 2720 (Part 8)
56	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction - Optimum Moisture Content	IS 2720 (Part 8)
57	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction - Maximum Dry Density	IS 2720 (Part 7)
58	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction - Optimum Moisture Content	IS 2720 (Part 7)
59	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit by Casagrade Apparatus	IS 2720 (Part 5)
60	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)

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Site Facility				
1	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Rebound Hammer Test	IS 516 (Part-5) Sec-4
2	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Ultrasonic Pulse Velocity	IS 516 (Part 5/Sec 1)