National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : INNOVATO SOLUTIONS - TESTING LABORATORY, A-106, SECTOR 80, NOIDA, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, 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	Burnt Clay Bricks / Fly Ash Bricks	Compressive Strength	IS 3495 (Part 1)
2	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks / Fly Ash Bricks	Efflorescence	IS 3495 (Part 3)
3	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks / Fly Ash Bricks	Water Absorption	IS 3495 (Part 2)
4	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	Dimension (Height)	IS 1077
5	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	Dimension (Length)	IS 1077
6	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	Dimension (Width)	IS 1077
7	MECHANICAL- BUILDINGS MATERIALS	Cement - Ordinary Portland Cement (OPC), Portland Pozzolana Cement (PPC)	Compressive Strength	IS 4031 (Part 6)
8	MECHANICAL- BUILDINGS MATERIALS	Cement - Ordinary Portland Cement (OPC), Portland Pozzolana Cement (PPC)	Consistency	IS 4031 (Part 4)
9	MECHANICAL- BUILDINGS MATERIALS	Cement - Ordinary Portland Cement (OPC), Portland Pozzolana Cement (PPC)	Final Setting Time	IS 4031 (Part 5)
10	MECHANICAL- BUILDINGS MATERIALS	Cement - Ordinary Portland Cement (OPC), Portland Pozzolana Cement (PPC)	Fineness by Dry Sieving Method	IS 4031 (Part 1)
11	MECHANICAL- BUILDINGS MATERIALS	Cement - Ordinary Portland Cement (OPC), Portland Pozzolana Cement (PPC)	Initial Setting Time	IS 4031 (Part 5)
12	MECHANICAL- BUILDINGS MATERIALS	Cement - Ordinary Portland Cement (OPC), Portland Pozzolana Cement (PPC)	Soundness (Le-Chatelier Expansion)	IS 4031 (Part 3)
13	MECHANICAL- BUILDINGS MATERIALS	Cement - Ordinary Portland Cement (OPC), Portland Pozzolana Cement (PPC)	Specific Gravity	IS 4031 (Part 11)
14	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10 Percent Fines Value	IS 2386 (Part 4)
15	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Abrasion Value	IS 2386 (Part 4)
16	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Aggregate Impact Value	IS 2386 (Part 4)
17	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density - Loose	IS 2386 (Part 3)
18	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density - Rodded	IS 2386 (Part 3)

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19	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Combined Flakiness and Elongation	IS 2386 (Part 1) & IS 383
20	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)
21	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
22	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1)
23	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Material Finer than 75 micron	IS 2386 (Part 4)
24	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (80 mm - 4.75 mm)	IS 2386 (Part 1)
25	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
26	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
27	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density - Loose	IS 2386 (Part 3)
28	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density - Rodded	IS 2386 (Part 3)
29	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Material Finer than 75 micron	IS 2386 (Part 1)
30	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (4.75 mm - 75 micron)	IS 2386 (Part 1)
31	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
32	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
33	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Final Setting Time	IS 1727
34	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Fineness by Dry Sieving Method (150 micron)	IS 1727
35	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Fineness by Dry Sieving Method (300 micron)	IS 1727
36	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Initial Setting Time	IS 1727
37	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Soundness of Fly Ash by Le-Chatelier Method	IS 1727

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38	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Specific Gravity	IS 1727
39	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Standard Consistency	IS 1727
40	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete (Cube Specimen of 150mm*150mm*150mm)	Compressive Strength (Cube Specimen)	IS 516 (Part 1 / Section 1)
41	MECHANICAL- BUILDINGS MATERIALS	Paver Block / Interlocking Blocks	Dimension (Length)	IS 15658
42	MECHANICAL- BUILDINGS MATERIALS	Paver Block / Interlocking Blocks	Dimensions (Height)	IS 15658
43	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks / Interlocking Blocks	Compressive Strength	IS 15658
44	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks / Interlocking Blocks	Dimensions (Width)	IS 15658
45	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks / Interlocking Blocks	Visual Inspection	IS 15658
46	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks / Interlocking Blocks	Water Absorption	IS 15658
47	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Cross-sectional Area of Steel Bar	IS 1786
48	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Diameter of Bar	IS 1786
49	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Mass Per Meter	IS 1786
50	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Percentage Elongation	IS 1608 (Part 1)
51	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Ultimate Tensile Strength	IS 1608 (Part 1)
52	MECHANICAL- BUILDINGS MATERIALS	Reinforcement steel	Yield Strength	IS 1608 (Part 1)
53	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys and Products	Brinell Hardness Test (HBW 10/3000)	IS 1500 (Part 1)
54	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys and Products	Rockwell Hardness Test - Regular (HRA)	IS 1586 (Part 1)
55	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys and Products	Rockwell Hardness Test - Regular (HRC)	IS 1586 (Part 1)

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56	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys and Products	Rockwell Hardness Test - Superficial (HR15N)	IS 1586 (Part 1)
57	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys and Products	Rockwell Hardness Test (HRBW)	IS 1586 (Part 1)
58	MECHANICAL- SOIL AND ROCK	Bentonite	Fineness by Dry Sieving (150 micron)	IS 6186
59	MECHANICAL- SOIL AND ROCK	Bentonite	Fineness by Dry Sieving (75 micron)	IS 6186
60	MECHANICAL- SOIL AND ROCK	Bentonite	Moisture Content	IS 6186
61	MECHANICAL- SOIL AND ROCK	Bentonite	Sand Content	IS 6186
62	MECHANICAL- SOIL AND ROCK	Bentonite	Swelling Power	IS 6186
63	MECHANICAL- SOIL AND ROCK	Rock	Point Load Index Strength - Diametrical Load Test	IS 8764
64	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compressive Strength of Rock	IS 9143
65	MECHANICAL- SOIL AND ROCK	Rock	Water Content	IS 13030
66	MECHANICAL- SOIL AND ROCK	Soil	Constant Head Permeability Test	IS 2720 (Part 17)
67	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (UU) - Angle of Internal Friction	IS 2720 (Part 13)
68	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (UU) - Cohesion	IS 2720 (Part 13)
69	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
70	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction - MDD	IS 2720 (Part 8)
71	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction - OMC	IS 2720 (Part 8)
72	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction - MDD	IS 2720 (Part 7)
73	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction - OMC	IS 2720 (Part 7)

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74	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5)
75	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
76	MECHANICAL- SOIL AND ROCK	Soil	Sieve Analysis - Wet Sieving	IS 2720 (Part 4)
77	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity of Fine Grained Soil	IS 2720 (Part 3)
78	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Test (UU) - Angle of Internal Friction	IS 2720 (Part 11)
79	MECHANICAL- SOIL AND ROCK	Soil	Triaxial test (UU) - Cohesion	IS 2720 (Part 11)
80	MECHANICAL- SOIL AND ROCK	Soil	Variable Head Permeability Test	IS 2720 (Part 17)
81	MECHANICAL- SOIL AND ROCK	Soil	Water Content	IS 2720 (Part 2)
82	MECHANICAL- SOIL AND ROCK	Soil - Subgrade	California Bearing Ratio - Soaked	IS 2720 (Part 16)
83	MECHANICAL- SOIL AND ROCK	Soil - Subgrade	California Bearing Ratio - Unsoaked	IS 2720 (Part16)

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Site Facility				
1	MECHANICAL- SOIL AND ROCK	Soil	Dry Density of Soil in Place by Core Cutter Method	IS 2720 (Part 29)
2	MECHANICAL- SOIL AND ROCK	Soil	Dry Density of Soil in Place by Sand Replacement Method	IS 2720 (Part 28)