National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : GLOBAL LAB MATERIAL TESTING PRIVATE LIMITED, PLOT NO. 206, MAHADEV NAGAR, JHARPADA ROAD, JHARAPADA, BHUBANESWAR, KHORDHA, ODISHA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11444 **Page No** 1 of 4

Validity 14/03/2023 to 13/03/2025 **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	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1)
2	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density (Loose)	IS 2386 (Part 3)
3	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density (Rodded)	IS 2386 (Part 3)
4	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Combined Flakiness & Elongation Index	IS 2386 (Part 1)
5	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
6	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate / GSB / WMM / Track Ballast	Water Absorption	IS 2386 (Part 3)
7	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate / GSB / WMM/ Track Ballast	Specific Gravity	IS 2386 (Part 3)
8	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate / GSB / WMM/ Track Ballast	10% Fines Value	IS 2386 (Part 4)
9	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate / GSB / WMM/ Track Ballast	Impact Value	IS 2386 (Part 4)
10	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate / GSB / WMM/ Track Ballast	Crushing Value	IS 2386 (Part 4)
11	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate / GSB / WMM/ Track Ballast	Loss Angles Abrasion Value	IS 2386 (Part 4)
12	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate / GSB / WMM/ Track Ballast	Sieve Analysis (Sieve size: 2.36mm to 80mm)	IS 2386 (Part 1)
13	MECHANICAL- BUILDINGS MATERIALS	Common Burnt Clay Building Bricks	Length	IS 1077
14	MECHANICAL- BUILDINGS MATERIALS	Common Burnt Clay Building Bricks	Width	IS 1077
15	MECHANICAL- BUILDINGS MATERIALS	Common Burnt Clay Building Bricks / Pulverized Fuel Ash Bricks	Water Absorption	IS 3495 (Part 2)
16	MECHANICAL- BUILDINGS MATERIALS	Common Burnt Clay Building Bricks	Height	IS 1077
17	MECHANICAL- BUILDINGS MATERIALS	Common Burnt Clay Building Bricks / Pulverized Fuel Ash Bricks	Efflorescence	IS 3495 (Part 3)
18	MECHANICAL- BUILDINGS MATERIALS	Common Burnt Clay Building Bricks / Pulverized Fuel Ash Bricks	Compressive Strength	IS 3495 (Part 1)

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19	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Material Finer than 75 microns	IS 2386 (Part 1)
20	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate / Sand for Plaster	Bulk Density (Loose)	IS 2386 (Part 3)
21	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate / Sand for Plaster	Specific Gravity	IS 2386 (Part 3)
22	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate / Sand for Plaster	Water Absorption	IS 2386 (Part 3)
23	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate / Sand for Plaster	Bulk Density (Rodded)	IS 2386 (Part 3)
24	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate / Sand for Plaster	Sieve Analysis (Sieve Size: 150 micron to 10mm)	IS 2386 (Part 1)
25	MECHANICAL- BUILDINGS MATERIALS	Harden Concrete	Density	IS 516 (Part 2, Section 1)
26	MECHANICAL- BUILDINGS MATERIALS	Harden Concrete	Flexural Strength	IS 516 (Part 1, Section 1)
27	MECHANICAL- BUILDINGS MATERIALS	Harden Concrete	Compressive Strength	IS 516 (Part 1, Section 1)
28	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Depth of Water Penetration Test	IS 516 (Part 2, Section 1)
29	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete (Core)	Compressive Strength	IS 516 (Part 4)
30	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Paver Block	Compressive Strength	IS 15658
31	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Paver Block	Flexural Strength	IS 15658
32	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Paver Block	Water Absorption	IS 15658
33	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash Brick	Length	IS 12894
34	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash Bricks	Height	IS 12894
35	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash Bricks	Width	IS 12894
36	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material / Rebar	Rebend Test	IS 1786

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37	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material / Rebar	% Elongation at Maximum Force	IS 1608 (Part 1)
38	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material / Rebar	Percentage Elongation after Fracture	IS 1608 (Part 1)
39	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material / Rebar	Yield Strength	IS 1608 (Part 1)
40	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material / Rebar / Coupler	Tensile Strength	IS 1608 (Part 1)
41	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material/ Rebar	0.2% Proof Strength	IS 1608 (Part 1)
42	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials / Rebar	Bend Test	IS 1599
43	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials / Rebar	Mass Per Meter	IS 1786
44	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Prestressed Wire Strand	Length of Lay	IS 14268
45	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Prestressed Wire Strand	Percentage Difference in Diameter of the Center Wire and Surroundings Wires	IS 14268
46	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Prestressed Wire Strand	Mass per Unit Length	IS 14268
47	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Prestressed Wire Strand	Nominal Area	IS 14268
48	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Prestressed Wire Strand	Nominal Diameter	IS 14268
49	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Prestressed Wire Strand / Wire Rope	Proof Load	IS 1608 (Part 1)
50	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Prestressed Wire Strand / Wire Rope	0.2% Proof Load	IS 14268

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51	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Prestressed Wire Strand / Wire Rope	Breaking Strength	IS 1608 (Part 1)
52	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Prestressed Wire Strand / Wire Rope	Percentage Elongation	IS 14268