



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

OMEGALAB TESTING SERVICES PRIVATE LIMITED, 1052/A, NARMADA BAGAN, WARD NO. 46,
SILIGURI, DARJEELING, WEST BENGAL, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-15509

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Validity

18/02/2025 to 17/02/2029

Last Amended on

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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 Testing				
1	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Accelerated Cured Concrete	Compressive Strength	IS 9013
2	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Ballast	Aggregate Impact Value	IS 2386 (Part 4)
3	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Ballast	Sieve Analysis (Sieve Size: 65mm to 20mm)	IS 2386 (Part 1)
4	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Ballast	Water Absorption	IS 2386 (Part 3)
5	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Bricks (Common Burnt Clay Bricks, Burnt Clay Fly Ash Bricks, Pulverized Fuel Ash Lime Bricks and Pulverized Fuel Ash Cement Bricks)	Water Absorption	IS 3495 (Part 2)
6	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Bricks (Common Burnt Clay Bricks, Burnt Clay Fly Ash Bricks, Pulverized Fuel Ash Lime Bricks and Pulverized Fuel Ash Cement Bricks)	Compressive Strength	IS 3495 (Part 1)
7	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Bricks (Common Burnt Clay Bricks, Burnt Clay Fly Ash Bricks, Pulverized Fuel Ash Lime Bricks and Pulverized Fuel Ash Cement Bricks)	Efflorescence	IS 3495 (Part 3)



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8	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Burnt Clay Fly Ash Bricks	Dimension (Height)	IS 13757
9	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Burnt Clay Fly Ash Bricks	Dimension (Length)	IS 13757
10	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Burnt Clay Fly Ash Bricks	Dimension (Width)	IS 13757
11	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Coarse Aggregates	Aggregate Impact Value	IS 2386 (Part 4)
12	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Coarse Aggregates	Bulk Density (Compacted)	IS 2386 (Part 3)
13	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Coarse Aggregates	Bulk Density (Loose)	IS 2386 (Part 3)
14	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Coarse Aggregates	Combined Flakiness & Elongation Index	IS 383



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15	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Coarse Aggregates	Crushing Value	IS 2386 (Part 4)
16	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Coarse Aggregates	Elongation Index	IS 2386 (Part 1)
17	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Coarse Aggregates	Flakiness Index	IS 2386 (Part 1)
18	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Coarse Aggregates	Sieve Analysis (Sieve Size: 80mm to 2.36mm)	IS 2386 (Part 1)
19	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Coarse Aggregates	Specific Gravity	IS 2386 (Part 3)
20	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Coarse Aggregates	Water Absorption	IS 2386 (Part 3)
21	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Common Burnt Clay Bricks	Dimension (Height)	IS 1077



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22	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Common Burnt Clay Bricks	Dimension (Length)	IS 1077
23	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Common Burnt Clay Bricks	Dimension (Width)	IS 1077
24	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Fiber Reinforced Slab	Energy Absorption Capacity	BS EN 14488-5
25	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Fine Aggregates	Bulk Density (Compacted)	IS 2386 (Part 3)
26	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Fine Aggregates	Bulk density (Loose)	IS 2386 (Part 3)
27	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Fine Aggregates	Material Finer Than 75 Micron	IS 2386 (Part 1)
28	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Fine Aggregates	Sieve Analysis (Sieve Size: 0.150mm to 4.75mm)	ASTM C136



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29	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Fine Aggregates	Sieve Analysis (Sieve Size: 0.150mm to 4.75mm)	IS 2386 (Part 1)
30	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Fine Aggregates	Specific Gravity	IS 2386 (Part 3)
31	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Fine Aggregates	Water Absorption	IS 2386 (Part 3)
32	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Hardened Concrete	Flexural Strength	IS 516 (Part 1, Section 1)
33	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Hardened Concrete (Core)	Compressive Strength	IS 516 (Part 4)
34	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Hardened Concrete (Cube)	Compressive Strength	IS 516 (Part 1, Section 1)
35	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Hollow & Solid Concrete Blocks	Water Absorption	IS 2185 (Part 1)



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36	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Hydraulic Cement (OPC/PPC/PSC/PCC)	Compressive Strength	IS 4031 (Part 6)
37	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Hydraulic Cement (OPC/PPC/PSC/PCC)	Density	IS 4031 (Part 11)
38	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Hydraulic Cement (OPC/PPC/PSC/PCC)	Final Setting Time	IS 4031 (Part 5)
39	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Hydraulic Cement (OPC/PPC/PSC/PCC)	Fineness	IS 4031 (Part 1) - by Dry Sieving
40	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Hydraulic Cement (OPC/PPC/PSC/PCC)	Fineness	IS 4031 (Part 2) - by Blaine Apparatus
41	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Hydraulic Cement (OPC/PPC/PSC/PCC)	Initial Setting Time	IS 4031 (Part 5)
42	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Hydraulic Cement (OPC/PPC/PSC/PCC)	Normal Consistency	IS 4031 (Part 4)



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43	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Hydraulic Cement (OPC/PPC/PSC/PCC)	Soundness	IS 4031 (Part 3) - by Le-Chatelier Method
44	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Hydraulic Cement (OPC/PPC/PSC/PCC)	Specific Gravity	ASTM C188
45	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Metallic Fibered Concrete	Flexural Tensile Strength (Limit of Proportionality - LOP)	EN 14651
46	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Metallic Fibered Concrete	Flexural Tensile Strength (Residual)	EN 14651
47	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Paver Blocks	Compressive Strength	IS 15658 (Annex D)
48	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Paver Blocks	Dimension (Length)	IS 15658 (Annex B)
49	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Paver Blocks	Dimension (Thickness)	IS 15658 (Annex B)



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50	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Paver Blocks	Dimension (Width)	IS 15658 (Annex B)
51	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Paver Blocks	Water Absorption	IS 15658 (Annex C)
52	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Pulverized Fuel Ash Cement Bricks	Dimension (Height)	IS 16720
53	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Pulverized Fuel Ash Cement Bricks	Dimension (Length)	IS 16720
54	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Pulverized Fuel Ash Cement Bricks	Dimension (Width)	IS 16720
55	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Pulverized Fuel Ash Lime Bricks	Dimension (Height)	IS 12894
56	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Pulverized Fuel Ash Lime Bricks	Dimension (Length)	IS 12894



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57	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Pulverized Fuel Ash Lime Bricks	Dimension (Width)	IS 12894