National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : GLOBAL TECH TESTING LAB, MOHANBARI HINDU GAON, A. T. ROAD, LAHOWAL, DIBRUGARH, ASSAM, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10908 **Page No** 1 of 3

Validity 11/08/2022 to 10/08/2024 **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	Bricks (Clay or Fly Ash)	Compressive Strength	IS 3495 (Part-1)
2	MECHANICAL- BUILDINGS MATERIALS	Bricks (Clay or Fly Ash)	Dimension (Height)	IS 1077 ; IS 12894
3	MECHANICAL- BUILDINGS MATERIALS	Bricks (Clay or Fly Ash)	Dimension (Length)	IS 1077 ; IS 12894
4	MECHANICAL- BUILDINGS MATERIALS	Bricks (Clay or Fly Ash)	Dimension (Width)	IS 1077 ; IS 12894
5	MECHANICAL- BUILDINGS MATERIALS	Bricks (Clay or Fly Ash)	Efflorescence	IS 3495 (Part-3)
6	MECHANICAL- BUILDINGS MATERIALS	Bricks (Clay or Fly Ash)	Water Absorption	IS 3495 (Part-2)
7	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 (Part-3)
8	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part-4)
9	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part-1)
10	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part-1)
11	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part-4)
12	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Los Angeles Abrasion Value	IS 2386 (Part-4)
13	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (Sieve Size Range - 63mm to 1.70mm)	IS 2386 (Part-1)
14	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part-3)
15	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part-3)
16	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS 2386 (Part-3)
17	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Organic Impurities	IS 2386 (Part-2)
18	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (Sieve Size Range - 10mm to 75 micron)	IS 2386 (Part-1)

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19	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part-3)
20	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part-3)
21	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete (Cube)	Compressive Strength	IS 516 (Part-1, Sec-1)
22	MECHANICAL- BUILDINGS MATERIALS	Ordinary Cement or Blended Cement (Ordinary Portland Cement/ Portland Pozzolana Cement)	Compressive Strength	IS 4031 (Part-6)
23	MECHANICAL- BUILDINGS MATERIALS	Ordinary Cement or Blended Cement (Ordinary Portland Cement/ Portland Pozzolana Cement)	Consistency	IS 4031 (Part-4)
24	MECHANICAL- BUILDINGS MATERIALS	Ordinary Cement or Blended Cement (Ordinary Portland Cement/ Portland Pozzolana Cement)	Density	IS 4031 (Part-11)
25	MECHANICAL- BUILDINGS MATERIALS	Ordinary Cement or Blended Cement (Ordinary Portland Cement/ Portland Pozzolana Cement)	Setting Time (Final)	IS 4031 (Part-5)
26	MECHANICAL- BUILDINGS MATERIALS	Ordinary Cement or Blended Cement (Ordinary Portland Cement/ Portland Pozzolana Cement)	Setting Time (Initial)	IS 4031 (Part-5)
27	MECHANICAL- BUILDINGS MATERIALS	Ordinary Cement or Blended Cement (Ordinary Portland Cement/ Portland Pozzolana Cement)	Soundness (by Le-Chatelier Expansion)	IS 4031 (Part-3)
28	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Block for Paving (Paver Blocks/ Interlocking Tiles)	Compressive Strength	IS 15658
29	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Block for Paving (Paver Blocks/ Interlocking Tiles)	Water Absorption	IS 15658
30	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio (CBR Value - 96 Hours Soaked Condition)	IS 2720 (Part-16)
31	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test - Angle of Internal Friction (Phi Value)	IS 2720 (Part-13)
32	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test - Cohesion Intercept (C Value)	IS 2720 (Part-13)
33	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part-40)
34	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (Sieve Size Range - 19mm to 75 micron)	IS 2720 (Part-4)
35	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (Maximum Dry Density)	IS 2720 (Part-8)
36	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (Optimum Moisture Content)	IS 2720 (Part-8)

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37	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part-5)
38	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part-5)
39	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part-3, Sec-1)
40	MECHANICAL- SOIL AND ROCK	Soil	Water Content	IS 2720 (Part-2)