National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : TECHNOEDGE RESEARCH LAB, GALA NO. 006, F-WING, BLISS BUILDING, PLOT NO. AM-19, ADDITIONAL MIDC, AMBARNATH (E), THANE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11161 **Page No** 1 of 4

Validity 17/11/2022 to 16/11/2024 **Last Amended on** 08/12/2022

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	Height	IS 2185 (Part 3)
4	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Length	IS 2185 (Part 3)
5	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Moisture Content	IS 6441 (Part 1)
6	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Width	IS 2185 (Part 3)
7	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Compressive Strength	IS 3495 (Part 1)
8	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Efflorescence	IS 3495 (Part 3)
9	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Height	IS 1077
10	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Length	IS 1077
11	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Water Absorption	IS 3495 (Part 2)
12	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Width	IS 1077
13	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Compressive Strength	IS 4031 (Part 6)
14	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Final Setting Time	IS 4031 (Part 5)
15	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Initial Setting Time	IS 4031 (Part 5)
16	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Soundness (By Le-Chatelier's Method)	IS 4031 (Part 3)
17	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Standard Consistency	IS 4031 (Part 4)
18	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Aggregate Crushing Value	IS 2386 (Part 4)

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19	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Aggregate Impact Value	IS 2386 (Part 4)
20	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density (Loose)	IS 2386 (Part 3)
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	Sieve Analysis (4.75mm to 75mm)	IS 2386 (Part 1)
24	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
25	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
26	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube & Cylinder	Compressive Strength	IS 516 (Part 1, Section 1)
27	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density (Loose)	IS 2386 (Part 3)
28	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Particle Finer than 75 µm	IS 2386 (Part 1)
29	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (75 µm to 4.75 mm)	IS 2386 (Part 1)
30	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
31	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
32	MECHANICAL- BUILDINGS MATERIALS	River Sand	Bulk Density (Loose)	IS 2386 (Part 3)
33	MECHANICAL- BUILDINGS MATERIALS	River Sand	Sieve Analysis (4.75 mm to 75 µm)	IS 2386 (Part 1)
34	MECHANICAL- BUILDINGS MATERIALS	River Sand	Specific Gravity	IS 2386 (Part 3)
35	MECHANICAL- BUILDINGS MATERIALS	River Sand	Water Absorption	IS 2386 (Part 3)
36	MECHANICAL- BUILDINGS MATERIALS	Solid Block	Compressive Strength	IS 2185 (Part 1)
37	MECHANICAL- BUILDINGS MATERIALS	Solid Block	Height	IS 2185 (Part 1)

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38	MECHANICAL- BUILDINGS MATERIALS	Solid Block	Length	IS 2185 (Part 1)
39	MECHANICAL- BUILDINGS MATERIALS	Solid Block	Water Absorption	IS 2185 (Part 1)
40	MECHANICAL- BUILDINGS MATERIALS	Solid Block	Width	IS 2185 (Part 1)
41	MECHANICAL- BUILDINGS MATERIALS	Solid Blocks	Density	IS 2185 (Part 1)
42	MECHANICAL- BUILDINGS MATERIALS	Wash Sand	Bulk Density (Loose)	IS 2386 (Part 3)
43	MECHANICAL- BUILDINGS MATERIALS	Wash Sand	Particle Finer than 75 µm	IS 2386 (Part 1)
44	MECHANICAL- BUILDINGS MATERIALS	Wash Sand	Sieve Analysis (75 µm to 4.75 mm)	IS 2386 (Part 1)
45	MECHANICAL- BUILDINGS MATERIALS	Wash Sand	Specific Gravity	IS 2386 (Part 3)
46	MECHANICAL- BUILDINGS MATERIALS	Wash Sand	Water Absorption	IS 2386 (Part 3)

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Site Facility				
1	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Carbonation Test	BS EN 14630
2	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Cover Meter Test	BS 1881 (Part 204)
3	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Half Cell Potential Difference Test	IS 516 (Part 5, Section 2)
4	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Rebound Hammer Test	IS 516 (Part 5, Section 4)
5	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Ultrasonic Pulse Velocity Test	IS 516 (Part 5, Section 1)