National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CONSTRUCTION MATERIAL TESTING LABORATORY (CMTL) OF GODREJ & BOYCE MANUFACTURING COMPANY LIMITED, READY MIX CONCRETE PLANT, CTS NO. 35/A & 44, VILLAGE HARIYALI, VIKHROLI WEST, KURLA, MUMBAI, MAHARASHTRA, 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	Autoclaved Cellular Concrete Blocks	Block Density	IS 6441 (Part 1)
2	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Concrete Blocks	Compressive Strength	IS 6441 (Part 5)
3	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Concrete Blocks	Dimension - Height	IS 2185 (Part 3)
4	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Concrete Blocks	Dimension - Length	IS 2185 (Part 3)
5	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Concrete Blocks	Dimension - Width	IS 2185 (Part 3)
6	MECHANICAL- BUILDINGS MATERIALS	Bricks	Water Absorption	IS 3495 (Part 2)
7	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Brick & Fly ash Bricks	Compressive Strength	IS 3495 (Part 1)
8	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimension (Height)	IS 1077
9	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimension (Length)	IS 1077
10	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimension (Width)	IS 1077
11	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PSC/PPC)	Compressive Strength	IS 4031 (Part 6)
12	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PSC/PPC)	Consistency	IS 4031 (Part 4)
13	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PSC/PPC)	Density	IS 4031 (Part 11)
14	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PSC/PPC)	Fineness (by Blaine's Method)	IS 4031 (Part 2)
15	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PSC/PPC)	Setting Time (Final)	IS 4031 (Part 5)
16	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PSC/PPC)	Setting Time (Initial)	IS 4031 (Part 5)
17	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PSC/PPC)	Soundness (Le- Chatelier)	IS 4031 (Part 3)
18	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10 % Fines Value	IS 2386 (Part 4)

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19	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density (Loose & Rodded)	IS 2386 (Part 3)
20	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)
21	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Deleterious Content - 75 µm/ Fine Slit / Fine Dust	IS 2386 (Part 1)
22	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Deleterious Material - Soft Particles	IS 2386 (Part 2)
23	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
24	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1)
25	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4)
26	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Size Analysis (4.75 mm to 90 mm)	IS 2386 (Part 1)
27	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness by MgSO4	IS 2386 (Part 5)
28	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness by Na2SO4	IS 2386 (Part 5)
29	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
30	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
31	MECHANICAL- BUILDINGS MATERIALS	Concrete	Compressive Strength	IS 516 (Part 1/Section 1)
32	MECHANICAL- BUILDINGS MATERIALS	Concrete	Flexural Strength	IS 516 (Part 1/Section 1)
33	MECHANICAL- BUILDINGS MATERIALS	Concrete	Rapid Chloride Penetration (RCPT)	ASTM C1202
34	MECHANICAL- BUILDINGS MATERIALS	Concrete	Water Permeability	DIN 1048 (Part 5)
35	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube	Compressive Strength by ACT	IS 9013
36	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density (Loose & Rodded)	IS 2386 (Part 3)
37	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Deleterious Material - Clay Lumps	IS 2386 (Part 2)

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38	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Deleterious Material - Soft Particles	IS 2386 (Part 2)
39	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Finer than 75 micron	IS 2386 (Part 1)
40	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Size Analysis (75 micron to 4.75 mm)	IS 2386 (Part 1)
41	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness by MgSO4	IS 2386 (Part 5)
42	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness by Na2SO4	IS 2386 (Part 5)
43	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
44	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
45	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Slump Test	IS 1199 (Part 6)
46	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Split Tensile Strength	IS 516 (Part 1/Section 1)
47	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete Core	Compressive Strength	IS 516 (Part 4)
48	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Block Density	IS 2185 (Part 1)
49	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Compressive Strength	IS 2185 (Part 1)
50	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Dimension (Height)	IS 2185 (Part 1)
51	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Dimension (Length)	IS 2185 (Part 1)
52	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Water Absorption	IS 2185 (Part 1)
53	MECHANICAL- BUILDINGS MATERIALS	Microsilica/ Silica Fume	Compressive Strength at 7 Days	IS 1727
54	MECHANICAL- BUILDINGS MATERIALS	Microsilica/ Silica Fume	Particle Retained on 45 micron IS Sieve (Wet Sieving)	IS 1727
55	MECHANICAL- BUILDINGS MATERIALS	Microsilica/ Silica Fume	Specific Gravity	IS 1727
56	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Compressive Strength	IS 15658

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57	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Water Absorption	IS 15658
58	MECHANICAL- BUILDINGS MATERIALS	Pozzolanic Materials	Compressive Strength	IS 1727
59	MECHANICAL- BUILDINGS MATERIALS	Pozzolanic Materials	Fineness (Specific Surface) (by Blaine's Method)	IS 1727
60	MECHANICAL- BUILDINGS MATERIALS	Pozzolanic Materials	Lime Reactivity	IS 1727
61	MECHANICAL- BUILDINGS MATERIALS	Pozzolanic Materials	Particle Retained on 45 micron IS Sieve (Wet Sieving)	IS 1727
62	MECHANICAL- BUILDINGS MATERIALS	Pozzolanic Materials	Setting Time (Final)	IS 1727
63	MECHANICAL- BUILDINGS MATERIALS	Pozzolanic Materials	Setting Time (Initial)	IS 1727
64	MECHANICAL- BUILDINGS MATERIALS	Pozzolanic Materials	Soundness (Le- Chatelier)	IS 1727
65	MECHANICAL- BUILDINGS MATERIALS	Pozzolanic Materials	Specific Gravity	IS 1727
66	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Rebound Hammer Test	IS 13311 (Part 2)
67	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Ultrasonic Pulse Velocity Test	IS 516 (Part 5/Section 1)

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Site Facility				
1	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Slump Test	IS 1199 (Part 6)
2	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Rebound Hammer Test	IS 13311 (Part 2)
3	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Ultrasonic Pulse Velocity Test	IS 516 (Part 5/Section 1)