National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : BUILDERS' SERVICES CENTRE, NO.11, AMMAMANDAPAM ROAD, THIRUCHIRAPALLI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6648 **Page No** 1 of 4

Validity 14/10/2022 to 13/10/2024 **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	Autoclaved Aerated Concrete Block	Bulk Density	IS 6441 (Part 1)
2	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Aerated Concrete Block	Compressive Strength	IS 6441 (Part 5)
3	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Aerated Concrete Block	Dimension - Height	IS 2185 (Part-3)
4	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Aerated Concrete Block	Dimension - Length	IS 2185 (Part-3)
5	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Aerated Concrete Block	Dimension - Width	IS 2185 (Part-3)
6	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Aerated Concrete Block	Moisture Content	IS 6441 (Part 1)
7	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Brick / Fly Ash Brick	Compressive Strength	IS 3495 (Part 1)
8	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Brick / Fly Ash Brick	Efflorescence	IS 3495 (Part 3)
9	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Brick / Fly Ash Brick	Water Absorption	IS 3495 (Part 2)
10	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density - Dry Rodded	IS 2386 (Part 3)
11	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density - Loose	IS 2386 (Part 3)
12	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Clay Lumps	IS 2386 (Part-2)
13	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Combined Elongation & Flakiness Index	IS 2386 (Part 1):1963 &IS 383
14	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)
15	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
16	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1)
17	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4)
18	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Particles finer then 75 micron	IS 2386 (Part 1)

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19	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness by Na2So4	IS 2386 (Part 5)
20	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
21	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
22	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate (2.36 mm to 80 mm)	Sieve Analysis	IS 2386 (Part 1)
23	MECHANICAL- BUILDINGS MATERIALS	Concrete Paver Block	Compressive Strength	IS 15658
24	MECHANICAL- BUILDINGS MATERIALS	Concrete Paver Block	Dimension - Length	IS 15658
25	MECHANICAL- BUILDINGS MATERIALS	Concrete Paver Block	Dimension - Thickness	IS 15658
26	MECHANICAL- BUILDINGS MATERIALS	Concrete Paver Block	Dimension - Width	IS 15658
27	MECHANICAL- BUILDINGS MATERIALS	Concrete Paver Block	Water Absorption	IS 15658
28	MECHANICAL- BUILDINGS MATERIALS	Core	Compressive Strength	IS 516(part 4)
29	MECHANICAL- BUILDINGS MATERIALS	Cube	Compressive Strength	IS 516
30	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density - Dry Rodded	IS 2386 (Part 3)
31	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density - Loose	IS 2386 (Part 3)
32	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulking	IS 2386 (Part 3)
33	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Clay Lumps	IS 2386 (Part-2)
34	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Particles finer than 75 micron	IS 2386 (Part 1)
35	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness by Na2So4	IS 2386 (Part 5)
36	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
37	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Surface Moisture Content	IS 2386 (Part 3)

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38	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
39	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate (10 mm to 150 micron)	Sieve analysis	IS 2386 (Part-1)
40	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement	Compressive Strength	IS 4031 (Part 6)
41	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement	Consistency	IS 4031 (Part 4)
42	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement	Density	IS 4031 (Part 11)
43	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement	Final Setting Time	IS 4031 (Part 5)
44	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement	Fineness (Blaine's Method)	IS 4031 (Part 2)
45	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement	Initial Setting Time	IS 4031 (Part 5)
46	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement	Soundness (Le- Chatelier's Method)	IS 4031 (Part 3)
47	MECHANICAL- BUILDINGS MATERIALS	Reinforcement steel	Weight/Metre	IS 1786
48	MECHANICAL- BUILDINGS MATERIALS	Reinforcing Steel Rod	Bend Test	IS 1599
49	MECHANICAL- BUILDINGS MATERIALS	Reinforcing Steel Rod	Percentage Elongation	IS 1608 (Part 1)
50	MECHANICAL- BUILDINGS MATERIALS	Reinforcing Steel Rod	Re Bend Test	IS 1786
51	MECHANICAL- BUILDINGS MATERIALS	Reinforcing Steel Rod	TS/YS Ratio	1786
52	MECHANICAL- BUILDINGS MATERIALS	Reinforcing Steel Rod	Ultimate Tensile Strength	IS 1608 (Part 1)
53	MECHANICAL- BUILDINGS MATERIALS	Reinforcing Steel Rod	Yield Strength	IS 1608 (Part 1)
54	MECHANICAL- BUILDINGS MATERIALS	Solid Block / Hollow Block	Block Density	IS 2185 (Part-1)
55	MECHANICAL- BUILDINGS MATERIALS	Solid Block / Hollow Block	Compressive Strength	IS 2185 (Part-1)
56	MECHANICAL- BUILDINGS MATERIALS	Solid Block / Hollow Block	Dimension - Height	IS 2185 (Part-1)

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57	MECHANICAL- BUILDINGS MATERIALS	Solid Block / Hollow Block	Dimension - Length	IS 2185 (Part-1)
58	MECHANICAL- BUILDINGS MATERIALS	Solid Block / Hollow Block	Dimension - Width	IS 2185 PART-1
59	MECHANICAL- BUILDINGS MATERIALS	Solid Block / Hollow Block	Water Absorption	IS 2185 (Part-1)
60	MECHANICAL- SOIL- BASIC	Soil / Granular Sub Base / Wet Mix Macadam	California Bearing Ratio (CBR) - Soaked	IS 2720 (Part 16)
61	MECHANICAL- SOIL- BASIC	Soil / Granular Sub Base / Wet Mix Macadam	California Bearing Ratio (CBR) - Unsoaked	IS 2720 (Part 16)
62	MECHANICAL- SOIL- BASIC	Soil / Granular Sub Base / Wet Mix Macadam	Free Swell Index	IS 2720 (Part 40)
63	MECHANICAL- SOIL- BASIC	Soil / Granular Sub Base / Wet Mix Macadam	Grain Size Analysis (Dry)	IS 2720 (Part-4)
64	MECHANICAL- SOIL- BASIC	Soil / Granular Sub Base / Wet Mix Macadam	Grain Size Analysis (Wet Method)	IS 2720 (Part-4)
65	MECHANICAL- SOIL- BASIC	Soil / Granular Sub Base / Wet Mix Macadam	Liquid Limit	IS 2720 (Part 5)
66	MECHANICAL- SOIL- BASIC	Soil / Granular Sub Base / Wet Mix Macadam	Maximum Dry Density (Heavy)	IS 2720 (Part 8)
67	MECHANICAL- SOIL- BASIC	Soil / Granular Sub Base / Wet Mix Macadam	Maximum Dry Density (Light)	IS 2720 (Part 7)
68	MECHANICAL- SOIL- BASIC	Soil / Granular Sub Base / Wet Mix Macadam	Optimum Moisture Content (Heavy)	IS 2720 (Part 8)
69	MECHANICAL- SOIL- BASIC	Soil / Granular Sub Base / Wet Mix Macadam	Optimum Moisture Content (Light)	IS 2720 (Part 7)
70	MECHANICAL- SOIL- BASIC	Soil / Granular Sub Base / Wet Mix Macadam	Plastic Limit	IS 2720 (Part 5)
71	MECHANICAL- SOIL- BASIC	Soil / Granular Sub Base / Wet Mix Macadam	Specific Gravity	IS 2720 (Part-3 / Sec1)
72	MECHANICAL- SOIL- BASIC	Soil / Granular Sub Base / Wet Mix Macadam	Water Content (Oven drying method)	IS 2720 (Part 2)