



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :**

CHENNAI SUPREME TECHNO RESEARCH CLINIC PRIVATE LIMITED, 134/2, MAMBAKKAM MAIN ROAD,  
KOVILANCHERI, CHENNAI, TAMIL NADU, INDIA

**Accreditation Standard**

ISO/IEC 17025:2017

**Certificate Number**

TC-15774

**Page No**

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**Validity**

28/03/2025 to 27/03/2029

**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-BUILDINGS MATERIALS	Accelerated Cured Concrete	Compressive Strength	IS 9013
2	MECHANICAL-BUILDINGS MATERIALS	Autoclaved cellular concrete block	Bulk density	IS 6441 (Part 1)
3	MECHANICAL-BUILDINGS MATERIALS	Autoclaved cellular concrete block	Compressive strength	IS 6441 (Part 5)
4	MECHANICAL-BUILDINGS MATERIALS	Autoclaved cellular concrete block	Moisture content	IS 6441 (Part 1)
5	MECHANICAL-BUILDINGS MATERIALS	Burnt clay building bricks / Pulverized fuel ash-lime bricks	Compressive strength	IS 3495 (Part 1)
6	MECHANICAL-BUILDINGS MATERIALS	Burnt clay building bricks / Pulverized fuel ash-lime bricks	Dimension (Breadth)	IS 1077
7	MECHANICAL-BUILDINGS MATERIALS	Burnt clay building bricks / Pulverized fuel ash-lime bricks	Dimension (Height)	IS 1077
8	MECHANICAL-BUILDINGS MATERIALS	Burnt clay building bricks / Pulverized fuel ash-lime bricks	Dimension (Length)	IS 1077
9	MECHANICAL-BUILDINGS MATERIALS	Burnt clay building bricks / Pulverized fuel ash-lime bricks	Efflorescence	IS 3495 (Part 3)
10	MECHANICAL-BUILDINGS MATERIALS	Burnt clay building bricks / Pulverized fuel ash-lime bricks	Water absorption	IS 3495 (Part 2)
11	MECHANICAL-BUILDINGS MATERIALS	Burnt Clay Flat Terracing Tiles	Dimension (Length)	IS 2690 (Part 1)



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12	MECHANICAL-BUILDINGS MATERIALS	Burnt Clay Flat Terracing Tiles	Dimension (width)	IS 2690 (Part 1)
13	MECHANICAL-BUILDINGS MATERIALS	Burnt Clay Flat Terracing Tiles	Flexural strength	IS 2690 (Part 1)
14	MECHANICAL-BUILDINGS MATERIALS	Burnt Clay Flat Terracing Tiles	Thickness	IS 2690 (Part 1)
15	MECHANICAL-BUILDINGS MATERIALS	Burnt Clay Flat Terracing Tiles	Water absorption	IS 2690 (Part 1)
16	MECHANICAL-BUILDINGS MATERIALS	Cement (OPC/PPC)	Compressive strength	IS 4031 (Part 6)
17	MECHANICAL-BUILDINGS MATERIALS	Cement (OPC/PPC)	Consistency	IS 4031 (Part 4)
18	MECHANICAL-BUILDINGS MATERIALS	Cement (OPC/PPC)	Final setting time	IS 4031 (Part 5)
19	MECHANICAL-BUILDINGS MATERIALS	Cement (OPC/PPC)	Fineness	IS 4031 (Part 1)
20	MECHANICAL-BUILDINGS MATERIALS	Cement (OPC/PPC)	Initial setting time	IS 4031 (Part 5)
21	MECHANICAL-BUILDINGS MATERIALS	Cement (OPC/PPC)	Soundness by Le-Chatlier method	IS 4031 (Part 3)
22	MECHANICAL-BUILDINGS MATERIALS	Cement (OPC/PPC)	Specific gravity	IS 4031 (Part 11)
23	MECHANICAL-BUILDINGS MATERIALS	Ceramic tiles	Breaking strength	IS 13630 (Part 6)



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24	MECHANICAL-BUILDINGS MATERIALS	Ceramic tiles	Dimension	IS 13630 (Part 1)
25	MECHANICAL-BUILDINGS MATERIALS	Ceramic tiles	Modulus of rupture	IS 13630 (Part 6)
26	MECHANICAL-BUILDINGS MATERIALS	Ceramic tiles	Scratch hardness	IS 13630 (Part 13)
27	MECHANICAL-BUILDINGS MATERIALS	Ceramic tiles	Thickness	IS 13630 (Part 1)
28	MECHANICAL-BUILDINGS MATERIALS	Ceramic tiles	Water absorption	IS 13630 (Part 2)
29	MECHANICAL-BUILDINGS MATERIALS	Coarse aggregate	Bulk density	IS 2386 (Part 3)
30	MECHANICAL-BUILDINGS MATERIALS	Coarse aggregate	Elongation index	IS 2386 (Part 1)
31	MECHANICAL-BUILDINGS MATERIALS	Coarse aggregate	Flakiness index	IS 2386 (Part 1)
32	MECHANICAL-BUILDINGS MATERIALS	Coarse aggregate	Impact value	IS 2386 (Part 4)
33	MECHANICAL-BUILDINGS MATERIALS	Coarse aggregate	Sieve analysis (4.75 mm to 40 mm)	IS 2386 (Part 1)
34	MECHANICAL-BUILDINGS MATERIALS	Coarse aggregate	Specific gravity	IS 2386 (Part 3)
35	MECHANICAL-BUILDINGS MATERIALS	Coarse aggregate	Water absorption	IS 2386 (Part 3)





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36	MECHANICAL-BUILDINGS MATERIALS	Concret Blocks (Hollow/Solid)	Block density	IS 2185 (Part 1)
37	MECHANICAL-BUILDINGS MATERIALS	Concret Blocks (Hollow/Solid)	Water absorption	IS 2185 (Part 1)
38	MECHANICAL-BUILDINGS MATERIALS	Concrete Blocks (Hollow/Solid)	Compressive strength	IS 2185 (Part 1)
39	MECHANICAL-BUILDINGS MATERIALS	Concrete Core	Compressive strength	IS 516 : Part 4
40	MECHANICAL-BUILDINGS MATERIALS	Fine aggregate	Bulk density	IS 2386 (Part 3)
41	MECHANICAL-BUILDINGS MATERIALS	Fine aggregate	Sieve analysis (75 mic to 4.75 mm)	IS 2386 (Part 1)
42	MECHANICAL-BUILDINGS MATERIALS	Fine aggregate	Silt content	IS 2386 (Part 2)
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	Fly ash	Compressive strength	IS 1727
46	MECHANICAL-BUILDINGS MATERIALS	Fly ash	Consistency	IS 4031 (Part 4)
47	MECHANICAL-BUILDINGS MATERIALS	Fly ash	Final setting time	IS 1727



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48	MECHANICAL-BUILDINGS MATERIALS	Fly ash	Fineness by wet sieving	IS 1727
49	MECHANICAL-BUILDINGS MATERIALS	Fly ash	Initial setting time	IS 1727
50	MECHANICAL-BUILDINGS MATERIALS	Fly ash	Soundness by Le-Chatlier method	IS 1727
51	MECHANICAL-BUILDINGS MATERIALS	Fly ash	Specific gravity	IS 1727
52	MECHANICAL-BUILDINGS MATERIALS	Granular Subbase (GSB)	Elongation index	IS 2386 (Part 1)
53	MECHANICAL-BUILDINGS MATERIALS	Granular Subbase (GSB)	Flakiness index	IS 2386 (Part 1)
54	MECHANICAL-BUILDINGS MATERIALS	Granular Subbase (GSB)	Impact value	IS 2386 (Part 4)
55	MECHANICAL-BUILDINGS MATERIALS	Granular Subbase (GSB)	Liquid limit	IS 2720 (Part 5)
56	MECHANICAL-BUILDINGS MATERIALS	Granular Subbase (GSB)	Plastic limit	IS 2720 (Part 5)
57	MECHANICAL-BUILDINGS MATERIALS	Granular Subbase (GSB)	Proctor density - heavy compaction (Maximum Dry density)	IS 2720 (Part 8)
58	MECHANICAL-BUILDINGS MATERIALS	Granular Subbase (GSB)	Proctor density - heavy compaction (Optimum moisture content)	IS 2720 (Part 8)
59	MECHANICAL-BUILDINGS MATERIALS	Granular Subbase (GSB)	Sieve analysis	IS 2386 (Part 1)



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60	MECHANICAL-BUILDINGS MATERIALS	Granular Subbase (GSB)	Water absorption	IS 2386 (Part 3)
61	MECHANICAL-BUILDINGS MATERIALS	Hardened Concrete	Compressive Strength	IS 516
62	MECHANICAL-BUILDINGS MATERIALS	Paver Block	Compressive strength	IS 15658
63	MECHANICAL-BUILDINGS MATERIALS	Paver block	Water absorption	IS 15658
64	MECHANICAL-BUILDINGS MATERIALS	Plywood	Density	IS 1734 (Part 1)
65	MECHANICAL-BUILDINGS MATERIALS	Plywood	Moisture content	IS 1734 (Part 1)
66	MECHANICAL-BUILDINGS MATERIALS	Wet Mix Macadam (WMM)	Elongation index	IS 2386 (Part 1)
67	MECHANICAL-BUILDINGS MATERIALS	Wet Mix Macadam (WMM)	Flakiness index	IS 2386 (Part 1)
68	MECHANICAL-BUILDINGS MATERIALS	Wet Mix Macadam (WMM)	Impact value	IS 2386 (Part 4)
69	MECHANICAL-BUILDINGS MATERIALS	Wet Mix Macadam (WMM)	Liquid limit	IS 2720 (Part 5)
70	MECHANICAL-BUILDINGS MATERIALS	Wet Mix Macadam (WMM)	Plastic limit	IS 2720 (Part 5)
71	MECHANICAL-BUILDINGS MATERIALS	Wet Mix Macadam (WMM)	Proctor density - heavy compaction (Maximum Dry density)	IS 2720 (Part 8)





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72	MECHANICAL-BUILDINGS MATERIALS	Wet Mix Macadam (WMM)	Proctor density - heavy compaction (Optimum moisture content)	IS 2720 (Part 8)
73	MECHANICAL-BUILDINGS MATERIALS	Wet Mix Macadam (WMM)	Sieve analysis	IS 2386 (Part 1)
74	MECHANICAL-BUILDINGS MATERIALS	Wet Mix Macadam (WMM)	Water absorption	IS 2386 (Part 3)
75	MECHANICAL-BUILDINGS MATERIALS	Wood	Moisture content	IS 1708 (Part 1)
76	MECHANICAL-BUILDINGS MATERIALS	Wood	Specific gravity	IS 1708 (Part 2)
77	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High strength deformed steel bars	Bend test	IS 1599
78	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High strength deformed steel bars	Elongation	IS 1608 (Part 1)
79	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High strength deformed steel bars	Mass per meter	IS 1786
80	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High strength deformed steel bars	Rebend test	IS 1786
81	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High strength deformed steel bars	Tensile strength	IS 1608 (Part 1)



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82	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High strength deformed steel bars	Yield strength	IS 1608 (Part 1)
83	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Spliced joint	Tensile strength	IS 16172
84	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Structural steel	Bend test	IS 1599
85	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Structural steel	Elongation	IS 1608 (Part 1)
86	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Structural steel	Tensile strength	IS 1608 (Part 1)
87	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Structural steel	Yield strength	IS 1608 (Part 1)
88	MECHANICAL- SOIL AND ROCKS	Natural Building Stone	Apparent Porosity	IS 1124
89	MECHANICAL- SOIL AND ROCKS	Natural Building Stone	Apparent Specific gravity	IS 1124
90	MECHANICAL- SOIL AND ROCKS	Natural Building Stone	Dry density	IS 13030
91	MECHANICAL- SOIL AND ROCKS	Natural Building Stone	Moisture content	IS 13030
92	MECHANICAL- SOIL AND ROCKS	Natural Building Stone	Scratch hardness by Moh's Scale	IS 13630 (Part 13)
93	MECHANICAL- SOIL AND ROCKS	Natural Building Stone	Water absorption	IS 1124





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94	MECHANICAL- SOIL AND ROCKS	Soil	Free swell index	IS 2720 (Part 40)
95	MECHANICAL- SOIL AND ROCKS	Soil	Liquid limit	IS 2720 (Part 5)
96	MECHANICAL- SOIL AND ROCKS	Soil	Natural moisture content	IS 2720 (Part 2)
97	MECHANICAL- SOIL AND ROCKS	Soil	Plastic limit	IS 2720 (Part 5)
98	MECHANICAL- SOIL AND ROCKS	Soil	Proctor density - light compaction MDD	IS 2720 (Part 7)
99	MECHANICAL- SOIL AND ROCKS	Soil	Proctor density - light compaction OMC	IS 2720 (Part 7)
100	MECHANICAL- SOIL AND ROCKS	Soil	Sieve analysis	IS 2720 (Part 4) : 1985 RA



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Site Testing				
1	MECHANICAL-BUILDINGS MATERIALS	Fine aggregate	Bulking	IS 2386 (Part 3)
2	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Cover Test	BS 1881 (Part 204)
3	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Half cell potential difference	IS 516 (Part 5 / Sec 2)
4	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Rebound Hammer	IS 516 (Part 5 / Sec 4)
5	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Ultrasonic Pulse Velocity	IS 516 (Part 5 / Sec 1)
6	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Carbonation depth test	IS 516 (Part 5 / Sec 3)