National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CCRT LABORATORIES, PLOT NO B-15, ROAD NO 2, WAGLE INDUSTRIAL ESTATE, MULUND CHECK NAKA, THANE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 20/10/2021 to 19/10/2023 **Last Amended on** 21/12/2021

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	CHEMICAL- BUILDING MATERIAL	Admixture/ Polymer/ Chemicals	Ash Content	IS 9103
2	CHEMICAL- BUILDING MATERIAL	Admixture/ Polymer/ Chemicals	Dry Material content	IS 9103
3	CHEMICAL- BUILDING MATERIAL	Admixture/ Polymer/ Chemicals	pH value	IS 9103
4	CHEMICAL- BUILDING MATERIAL	Admixture/ Polymer/ Chemicals	Relative Density	IS 9103
5	CHEMICAL- BUILDING MATERIAL	Admixture/ Polymer/ Chemicals	Water Soluble Chloride	IS 6925
6	CHEMICAL- BUILDING MATERIAL	Refractory Material	Alumina	IS 1335 (EDTA method)
7	CHEMICAL- BUILDING MATERIAL	Refractory Material	Calcium Oxide	IS 1527
8	CHEMICAL- BUILDING MATERIAL	Refractory Material	Loss on Ignition (LOI)	IS 1527
9	CHEMICAL- BUILDING MATERIAL	Refractory Material	Magnesium Oxide	IS 1527
10	CHEMICAL- BUILDING MATERIAL	Refractory materials	Determination of aluminium	IS 10570
11	CHEMICAL- BUILDING MATERIAL	Refractory materials	Determination of aluminium	IS 12107 (Part3)
12	CHEMICAL- BUILDING MATERIAL	Refractory materials	Determination of calcium and magnesium	IS 10570
13	CHEMICAL- BUILDING MATERIAL	Refractory materials	Determination of calcium and magnesium	IS 12107 (Part 8)
14	CHEMICAL- BUILDING MATERIAL	Refractory materials	Determination of iron	IS 10570
15	CHEMICAL- BUILDING MATERIAL	Refractory materials	Determination of iron	IS 12107 (Part 6)
16	CHEMICAL- BUILDING MATERIAL	Refractory materials	Determination of loss on ignition	IS 10570
17	CHEMICAL- BUILDING MATERIAL	Refractory materials	Determination of loss on ignition	IS 12107 (Part 1)
18	CHEMICAL- BUILDING MATERIAL	Refractory materials	Determination of silica	IS 10570

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19	CHEMICAL- BUILDING MATERIAL	Refractory materials	Determination of silica	IS 12107 (Part 2)
20	CHEMICAL- BUILDING MATERIAL	Refractory materials	Determination of titanium	IS 10570
21	CHEMICAL- BUILDING MATERIAL	Refractory materials	Determination of titanium	IS 12107 (Part 5)
22	CHEMICAL- WATER	Construction Water	Acidity	IS 3025 (Part-22)
23	CHEMICAL- WATER	Construction Water	Alkalinity	IS 3025 (Part-23)
24	CHEMICAL- WATER	Construction Water	Chloride	IS 3025 (Part 32)
25	CHEMICAL- WATER	Construction Water	pH value	IS 3025 (Part-11)
26	CHEMICAL- WATER	Construction Water	Sulphate	IS 3025 (Part-24)
27	CHEMICAL- WATER	Construction Water	Total dissolved solids	IS 3025 (Part-16)
28	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Concrete Product	Bulk Density	IS 6441 (Part 1)
29	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Concrete Product	Compressive Strength	IS 6441 (Part 5)
30	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimension (Height)	IS 1077
31	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimension (Width)	IS 1077
32	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimensions (Length)	IS 1077
33	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks & Fly Ash Bricks	Compressive Strength	IS 3495 (Part 1)
34	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks & Fly Ash Bricks	Efflorescence	IS 3495 (Part 3)
35	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks & Fly Ash Bricks	Water Absorption	IS 3495 (Part 2)
36	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Compressive Strength	IS 4031 (Part 6)
37	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Density	IS 4031 (Part 11)
38	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Final Setting time	IS 4031 (Part 5)
39	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Initial Setting time	IS 4031 (Part 5)

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40	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Standard Consistency	IS 4031 (Part 4)
41	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Bulk Density	IS 13630 (Part 2)
42	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Dimension	IS 13630 (Part 1)
43	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Water Absorption	IS 13630 (Part 2)
44	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Aggregate Impact Value	IS 2386 (Part 4)
45	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Bulk Density (Compacted & Loose)	IS 2386 (Part 3)
46	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Crushing Value	IS 2386 (Part 4)
47	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Elongation index	IS 2386 (Part 1)
48	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Flakiness Index	IS 2386 (Part 1)
49	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Sieve Analysis (2.36 mm to 80mm)	IS 2386 (Part 1)
50	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Specific Gravity	IS 2386 (Part-3)
51	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Water Absorption	IS 2386 (Part 3)
52	MECHANICAL- BUILDINGS MATERIALS	Concrete	Compressive Strength of Cubes	IS 516
53	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Bulk Density (Compacted & Loose)	IS 2386 (Part 3)
54	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Sieve Analysis (0.150 mm to 10mm)	IS 2386 (Part 1)
55	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Specific Gravity	IS 2386 (Part-3)
56	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Water Absorption	IS 2386 (Part 3)
57	MECHANICAL- BUILDINGS MATERIALS	Fly Ash Bricks	Dimensions (Length, Width & Height)	IS 13757
58	MECHANICAL- BUILDINGS MATERIALS	Masonry Blocks (Hollow /Solid)	Block density	IS 2185 (PART 1) Annex C

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59	MECHANICAL- BUILDINGS MATERIALS	Masonry Blocks (Hollow /Solid)	Compressive Strength	IS 2185 (PART 1) Annex D
60	MECHANICAL- BUILDINGS MATERIALS	Masonry Blocks (Hollow /Solid)	Dimensions	IS 2185 (PART 1)Annex B
61	MECHANICAL- BUILDINGS MATERIALS	Masonry Blocks (Hollow /Solid)	Water Absorption	IS 2185 (PART 1) Annex E
62	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Compressive Strength	IS 15658
63	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Dimension	IS 15658: Annex A
64	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Water Absorption	IS 15658: Annex C
65	MECHANICAL- BUILDINGS MATERIALS	Refractory material	Abrasion resistance at Ambient temperature	IS 1528 (Part 23)
66	MECHANICAL- BUILDINGS MATERIALS	Refractory material	Bulk density	ASTM C 134-95
67	MECHANICAL- BUILDINGS MATERIALS	Refractory material	Bulk density	IS 1528 (Part 12)
68	MECHANICAL- BUILDINGS MATERIALS	Refractory material	Bulk density	IS 1528 (Part 15)
69	MECHANICAL- BUILDINGS MATERIALS	Refractory material	Cold crushing Strength	ASTM C133-97
70	MECHANICAL- BUILDINGS MATERIALS	Refractory material	Cold crushing Strength	IS 1528 (Part 17)
71	MECHANICAL- BUILDINGS MATERIALS	Refractory material	Cold crushing Strength	IS 1528 (Part 4)
72	MECHANICAL- BUILDINGS MATERIALS	Refractory material	Modulus of rupture (MOR) at ambient temperature	IS 1528 (Part 5)
73	MECHANICAL- BUILDINGS MATERIALS	Refractory material	Permanent Linear change (PLC)	IS 1528 (Part 6)
74	MECHANICAL- BUILDINGS MATERIALS	Refractory material	Reheat change of refractory brick (up to 1100 Deg.C)	ASTM C113
75	MECHANICAL- BUILDINGS MATERIALS	Refractory material	Sieve analysis	IS 1528 (Part 14)
76	MECHANICAL- BUILDINGS MATERIALS	Refractory material	Thermal Conductivity	ASTM C201-93
77	MECHANICAL- BUILDINGS MATERIALS	Refractory material	Thermal Conductivity (TC)	IS 9490

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78	MECHANICAL- BUILDINGS MATERIALS	Refractory materials	Abrasion resistance at Room temperature	ASTM C704/ C704M-15
79	MECHANICAL- BUILDINGS MATERIALS	Refractory materials	Abrasion resistance of Refractory Materials	IS 10570
80	MECHANICAL- BUILDINGS MATERIALS	Refractory materials	Apparent Porosity by Boiling Water	ASTM C20
81	MECHANICAL- BUILDINGS MATERIALS	Refractory materials	Apparent Specific Gravity by Boiling Water	ASTM C20
82	MECHANICAL- BUILDINGS MATERIALS	Refractory materials	Bulk Density	IS 10570
83	MECHANICAL- BUILDINGS MATERIALS	Refractory materials	Bulk Density by Boiling Water	ASTM C20
84	MECHANICAL- BUILDINGS MATERIALS	Refractory materials	Cold crushing strength (CCS)	IS 10570
85	MECHANICAL- BUILDINGS MATERIALS	Refractory materials	Dimensions	ASTM C909 - 18
86	MECHANICAL- BUILDINGS MATERIALS	Refractory materials	Disintegration of Refractories in an Atmosphere of Carbon Monoxide	ASTM C288
87	MECHANICAL- BUILDINGS MATERIALS	Refractory materials	Modulus of Rupture	ASTM C133
88	MECHANICAL- BUILDINGS MATERIALS	Refractory materials	Modulus Of Rupture	ASTM C198
89	MECHANICAL- BUILDINGS MATERIALS	Refractory Materials	Modulus of Rupture	IS 10570
90	MECHANICAL- BUILDINGS MATERIALS	Refractory materials	Permanent Linear Change	ASTM C179
91	MECHANICAL- BUILDINGS MATERIALS	Refractory materials	Permanent Linear change (PLC)	IS 10570
92	MECHANICAL- BUILDINGS MATERIALS	Refractory materials	Pyrometric cone equivalent (PCE)	ASTM C24
93	MECHANICAL- BUILDINGS MATERIALS	Refractory materials	Pyrometric cone equivalent (PCE)	IS 10570
94	MECHANICAL- BUILDINGS MATERIALS	Refractory materials	Refractoriness under load (RUL)	IS 1528 Part 2
95	MECHANICAL- BUILDINGS MATERIALS	Refractory materials	Resistance to the disintegrating effect of carbon monoxide	IS 1528 Part 13

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96	MECHANICAL- BUILDINGS MATERIALS	Refractory materials	Sieve Analysis	ASTM C92
97	MECHANICAL- BUILDINGS MATERIALS	Refractory materials	Sieve analysis	IS 10570
98	MECHANICAL- BUILDINGS MATERIALS	Refractory materials	Thermal Conductivity of Insulating Firebrick	ASTM C182
99	MECHANICAL- BUILDINGS MATERIALS	Refractory materials	Thermal conductivity of Refractory Castables	IS 10570
100	MECHANICAL- BUILDINGS MATERIALS	Refractory materials	Thermal Conductivity of Unfired Monolithic Refractories	ASTM C417
101	MECHANICAL- BUILDINGS MATERIALS	Refractory materials	Thermal Spalling	IS 10570
102	MECHANICAL- BUILDINGS MATERIALS	Refractory materials	Thermal Spalling	IS 1528 Part 3
103	MECHANICAL- BUILDINGS MATERIALS	Refractory materials	Water Absorption by Boiling Water	ASTM C20
104	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Building Materials - Reinforced Concrete Structures	Carbonation test	BS 1881 (Part 201) (Clause 2.2.2)
105	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Building Materials - Reinforced Concrete Structures	Rebound Hammer Test	IS 13311 (Part 2)
106	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Building Materials - Reinforced Concrete Structures	Ultrasonic Pulse Velocity Test	IS 516 (Part-5/ Section 1)
107	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Carbonation Depth	BS EN 14630
108	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Half Cell potential Test	ASTM C 876