National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : R.D ENGINEERING SERVICES, FIRST FLOOR 238, RJD TEXTILE PARK, SURAT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8974 **Page No** 1 of 3

Validity 31/08/2022 to 30/08/2024 **Last Amended on** 11/09/2022

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	Autoclaved Cellular Concrete Product	Compressive Strength	IS 6441 (Part 5)
2	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Concrete Product	Bulk Density	IS 6441 (Part 1)
3	MECHANICAL- BUILDINGS MATERIALS	Bricks	Compressive Strength	IS 3495 (Part 1)
4	MECHANICAL- BUILDINGS MATERIALS	Bricks	Water Absorption	IS 3495 (Part 2)
5	MECHANICAL- BUILDINGS MATERIALS	Burnt clay bricks	Dimension (Width)	IS 1077
6	MECHANICAL- BUILDINGS MATERIALS	Burnt clay bricks	Dimension Height	IS 1077
7	MECHANICAL- BUILDINGS MATERIALS	Burnt clay bricks	Dimension Length	IS 1077
8	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive Strength	IS 4031 (Part 6)
9	MECHANICAL- BUILDINGS MATERIALS	Cement	Density	IS 4031 (Part 11)
10	MECHANICAL- BUILDINGS MATERIALS	Cement	Final Setting time	IS 4031 (Part 5)
11	MECHANICAL- BUILDINGS MATERIALS	Cement	Initial Setting time	IS 4031 (Part 5)
12	MECHANICAL- BUILDINGS MATERIALS	Cement	Standard Consistency	IS 4031 (Part 4)
13	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Specific gravity	IS 2386 (Part 3)
14	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Flakiness Index	IS 2386 (Part 1)
15	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Impact Value	IS 2386 (Part 4)
16	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Sieve Analysis (4.75 mm to 60 mm)	IS 2386 (Part 1)
17	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Bulk Density	IS 2386 (Part 3)
18	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Crushing Value	IS 2386 (Part 4)

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19	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Elongation index	IS 2386 (Part 1)
20	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Water Absorption	IS 2386 (Part 3)
21	MECHANICAL- BUILDINGS MATERIALS	Concrete	Compressive Strength	IS 516
22	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Specific gravity	IS 2386(Part 3)
23	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Bulk Density	IS 2386 (Part 3)
24	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Sieve Analysis (0.075 mm to 4.75 mm)	IS 2386 (Part 1)
25	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Water Absorption	IS 2386 (Part 3)
26	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Compressive Strength	IS 15658
27	MECHANICAL- BUILDINGS MATERIALS	Refractory material	Thermal Conductivity (TC)	IS 9490
28	MECHANICAL- BUILDINGS MATERIALS	Refractory material	Abrasion resistance of Refractory Material at room temperature	ASTM C704/C704M
29	MECHANICAL- BUILDINGS MATERIALS	Refractory material	Abrasion resistance of Refractory Materials at Ambient temperature	IS 1528 (Part 23)
30	MECHANICAL- BUILDINGS MATERIALS	Refractory material	Bulk density	ASTM C134-95
31	MECHANICAL- BUILDINGS MATERIALS	Refractory material	Bulk density	IS 1528 (Part 15)
32	MECHANICAL- BUILDINGS MATERIALS	Refractory material	Cold crushing Strength	IS 1528 (Part 4)
33	MECHANICAL- BUILDINGS MATERIALS	Refractory material	Cold crushing Strength	ASTM C133-97
34	MECHANICAL- BUILDINGS MATERIALS	Refractory material	Cold crushing Strength	IS 1528 (Part 17)
35	MECHANICAL- BUILDINGS MATERIALS	Refractory material	Modulus of rupture (MOR) at ambient temperature	IS 1528 (Part 5)
36	MECHANICAL- BUILDINGS MATERIALS	Refractory material	Permanent Linear change (PLC)	IS 1528 (Part 6)

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37	MECHANICAL- BUILDINGS MATERIALS	Refractory material	Reheat change of refractory brick	ASTM C113
38	MECHANICAL- BUILDINGS MATERIALS	Refractory material	Sieve analysis (Dry Sieve)	IS 1528 (Part 14)
39	MECHANICAL- BUILDINGS MATERIALS	Refractory material	Thermal Conductivity	ASTM C201-93
40	MECHANICAL- BUILDINGS MATERIALS	Refractory materials	Bulk Density	IS 1528 (Part 12)