National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : VRR ENGINEERING CONSULTANCY - TESTING DIVISION, NO. 2/81, SAIRAM AVENUE, 1ST STREET, BALAIAH GARDEN, MADIPAKKAM, CHENNAI, KANCHIPURAM, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 28/01/2023 to 27/01/2025 **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	Cement	Consistency	IS 4031 (Part 4)
2	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness Test by Dry Seiving	IS 4031 (Part 1)
3	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness by Le-chatelier	IS 4031 (Part 3)
4	MECHANICAL- BUILDINGS MATERIALS	Coarse & Fine Aggregate	Bulk Density	IS 2386 (Part 3)
5	MECHANICAL- BUILDINGS MATERIALS	Coarse & Fine Aggregate	Los Angeles Abrasion Value	IS 2386 (Part 4)
6	MECHANICAL- BUILDINGS MATERIALS	Coarse & Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
7	MECHANICAL- BUILDINGS MATERIALS	Coarse & Fine Aggregate	Water Absorption	IS 2386 (Part 3)
8	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)
9	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
10	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness index	IS 2386 (Part 1)
11	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4)
12	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (40 mm to 4.75 mm)	IS 2386 (Part 1)
13	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10 % Fines Value	IS 2386 (Part 4)
14	MECHANICAL- BUILDINGS MATERIALS	Concrete	Consistency by Flow Table Apparatus	IS 1199 (Part 2)
15	MECHANICAL- BUILDINGS MATERIALS	Concrete	Density	IS 516 (Part 2)
16	MECHANICAL- BUILDINGS MATERIALS	Concrete Core	Compressive Strength	IS 516 (Part 4)
17	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (4.75 mm to 150 µm)	IS 2386 (Part 1)
18	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Consistency by Compaction Factor Apparatus	IS 1199 (Part 2)

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19	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Slump Test	IS 1199 (Part 2)
20	MECHANICAL- SOIL AND ROCK	Rock	Point Load Strength Index	IS 8764
21	MECHANICAL- SOIL AND ROCK	Rock	Tensile Strength by Brazilian Apparatus	IS 10082
22	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compressive Strength	IS 9143
23	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio (CBR)	IS 2720 (Part 16)
24	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Test	IS 2720 (Part 15)
25	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear test for Angle of Internal Friction	IS 2720 (Part 13)
26	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test for Cohesion	IS 2729 (Part 13)
27	MECHANICAL- SOIL AND ROCK	Soil	Field Density by Core Cutter Method	IS 2720 (Part 29)
28	MECHANICAL- SOIL AND ROCK	Soil	Field Density by Sand Replacement Method	IS 2720 (Part 28)
29	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
30	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (Modified Proctor Compaction Test)	IS 2720 (Part 8)
31	MECHANICAL- SOIL AND ROCK	Soil	Hydrometer Analysis	IS 2720 (Part 4)
32	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (Standard Proctor Compaction Test)	IS 2720 (Part 7)
33	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5)
34	MECHANICAL- SOIL AND ROCK	Soil	Permeability Test (Constant and Falling Head Method)	IS 2720 (Part 17)
35	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
36	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720 (Part 6)
37	MECHANICAL- SOIL AND ROCK	Soil	Sieve Analysis	IS 2720 (Part 4)

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38	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3)
39	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Shear Parameter (UU Without Pore Water Pressure) for Angle of Shearing Resistance	IS 2720 (Part 11)
40	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Shear Parameter (UU Without Pore Water Pressure) for Cohesion Intercept	IS 2720 (Part 11)
41	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compressive Strength	IS 2720 (Part 10)
42	MECHANICAL- SOIL AND ROCK	Soil	Water Content by Oven Dry Method	IS 2720 (Part 2)
43	MECHANICAL- SOIL AND ROCK	Stone	Apparent Porosity	IS 1124
44	MECHANICAL- SOIL AND ROCK	Stone	Apparent Specific Gravity	IS 1124
45	MECHANICAL- SOIL AND ROCK	Stone	Water Absorption	IS 1124

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Site Facility				
1	MECHANICAL- SOIL AND ROCK	Soil	Field Density by Core Cutter Method	IS 2720 (Part 29)
2	MECHANICAL- SOIL AND ROCK	Soil	Field Density by Sand Replacement Method	IS 2720 (Part 28)