National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : MAHAVIR TESTING AND CONSULTANCY SERVICES, VAID VADI - 4, RAJKOT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9285 **Page No** 1 of 3

Validity 01/03/2023 to 28/02/2025 **Last Amended on** 31/05/2023

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	Coarse Aggregates	Crushing value	IS : 2386 (Part IV)
2	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Elongation Index	IS : 2386 (Part I)
3	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Flakiness Index	IS : 2386 (Part I)
4	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Water absorption	IS : 2386 (Part III)
5	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Absolute Viscosity	IS : 1206 (Part-II)
6	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS : 1208
7	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Kinematic Viscosity	IS : 1206 (Part III)
8	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration Test	IS : 1203
9	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point Test	IS : 1205
10	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific gravity	IS : 1202
11	MECHANICAL- BUILDINGS MATERIALS	Brick	Brick Dimension (Length)	IS 1077
12	MECHANICAL- BUILDINGS MATERIALS	Brick	Efflorescence	IS: 3495 – Part (III)
13	MECHANICAL- BUILDINGS MATERIALS	Brick	Water Absorption	IS 3495 – Part (II)
14	MECHANICAL- BUILDINGS MATERIALS	Brick Dimension	Brick Dimension (Width)	IS 1077
15	MECHANICAL- BUILDINGS MATERIALS	Brick Dimension	Brick Dimension(Height)	IS 1077
16	MECHANICAL- BUILDINGS MATERIALS	Bricks	Compressive Strength	IS: 3495 – Part (I)
17	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive Strength	IS : 4031 (Part VI)
18	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness (Le- Chatilier)	IS : 4031 (Part III)

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19	MECHANICAL- BUILDINGS MATERIALS	Cement	Consistency	IS : 4031 (Part IV)
20	MECHANICAL- BUILDINGS MATERIALS	Cement	Final Setting time	IS : 4031 (Part V)
21	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness by dry sieving	IS : 4031 (Part -1)
22	MECHANICAL- BUILDINGS MATERIALS	Cement	Initial Setting time	IS : 4031 (Part V)
23	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (4.75 mm to 80 mm)	IS : 2386 (Part I)
24	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Abrasion Value	IS : 2386 (Part IV)
25	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Impact Value	IS : 2386 (Part IV)
26	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Specific Gravity	IS : 2386 (Part III)
27	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (0.075 mm to 10 mm)	IS : 2386 (Part I)
28	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS : 2386 (Part III)
29	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS : 2386 (Part III)
30	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Compressive Strength of Concrete Cube	IS : 516 (Part-1/Sec-1)
31	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete block for paving	Water Absorption	IS: 15658
32	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Blocks for paving	Compressive Strength	IS: 15658
33	MECHANICAL- SOIL AND ROCK	Clays & Soil	Angle of Internal Friction using Direct Shear Test	IS: 2720 – Part (13)
34	MECHANICAL- SOIL AND ROCK	Clays & Soil	Cohesion using Direct Shear Test	IS: 2720 – Part (13)
35	MECHANICAL- SOIL AND ROCK	Clays & Soil	Dry Density using Light compaction	IS: 2720 – Part (7)
36	MECHANICAL- SOIL AND ROCK	Clays & Soil	Free Swell Index	IS:2720 (part-40)
37	MECHANICAL- SOIL AND ROCK	Clays & Soil	Optimum Water Content Using Heavy compaction	IS: 2720 – Part (8)

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38	MECHANICAL- SOIL AND ROCK	Clays & Soil	Optimum Water Content Using Light compaction	IS: 2720 – Part (7)
39	MECHANICAL- SOIL AND ROCK	Clays & Soil	Specific Gravity	IS: 2720 – Part (3)/ sec -1 & 2)
40	MECHANICAL- SOIL AND ROCK	Clays & Soil	Water Content	IS: 2720 – Part (2)
41	MECHANICAL- SOIL AND ROCK	Clays & Soils	California Bearing Ratio Test	IS:2720 (part-16)
42	MECHANICAL- SOIL AND ROCK	Clays & Soils	Dry Density using Heavy compaction	IS: 2720 – Part (8)
43	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis by Dry Sieving	IS: 2720 – Part (IV)
44	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis by Wet Sieving	IS: 2720 – Part (IV)
45	MECHANICAL- SOIL AND ROCK	Soil	Liquid limit Test	IS: 2720 – Part (5)
46	MECHANICAL- SOIL AND ROCK	Soil	Plastic limit Test	IS: 2720 – Part (5)