National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : DEEPAK N ASWANI CIVIL ENGINEERING LABORATORY, SHIV CHAMBER, G.I.D.C., WADHWAN, SURENDRANAGAR, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5678 **Page No** 1 of 3

Validity 03/08/2022 to 02/08/2024 **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	Bitumen Mix	Binder Content	ASTM D 2172
2	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	Compressive Strength	IS : 3495(P-1)
3	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	Dimensions (Height)	IS : 1077
4	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	Dimensions (Length)	IS : 1077
5	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	Dimensions (Width)	IS : 1077
6	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	Efflorescence	IS : 3495(P-3)
7	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	Water Absorption	IS : 3495(P- 2)
8	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC)	Compressive strength (3 Days)	IS : 4031(P-6)
9	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC)	Consistency	IS : 4031(P-4)
10	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC)	Specific surface by Blaine	IS : 4031(P-2)
11	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC)	Compressive strength (28 Days)	IS : 4031(P-6)
12	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC)	Compressive strength (7 Days)	IS : 4031(P-6)
13	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC)	Setting Time (minutes) (b) Final	IS : 4031(P-5)
14	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC)	Setting Time (minutes) (a) Initial	IS : 4031(P-5)
15	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC)	Soundness by Le-Chatelier	IS 4031(P-3)
16	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Abrasion Value	IS : 2386(Part 4)
17	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS : 2386(Part 4)
18	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS : 2386(Part 1)

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Certificate Number TC-5678 **Page No** 2 of 3

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19	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness index	IS : 2386(Part 1)
20	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS : 2386(Part 4)
21	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (Sieve size : 4.75 mm to 125 mm)	IS :2386(Part 1)
22	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS : 2386(Part 3)
23	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS : 2386(Part 3)
24	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube	Compressive Strength	IS 516
25	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (Sieve size: 75 micron to 4.75 mm)	IS : 2386(Part 1)
26	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Silt content	IS : 2386(Part 1)
27	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS : 2386(Part 3)
28	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS : 2386(Part 3)
29	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Mass per meter	IS:1786
30	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Elongation	IS 1608 (Part 1)
31	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Tensile Strength	IS 1608 (Part 1)
32	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Yield Stress	IS 1608 (Part 1)
33	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio(CBR)	IS : 2720 (Part 16)
34	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (Sieve size: 75 micron to 19 mm)	IS : 2720 (Part-4)
35	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS : 2720 (Part 5)
36	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS : 2720 (Part 5)
37	MECHANICAL- SOIL AND ROCK	Soil	Proctor Light Compaction Test (MDD)	IS : 2720 (Part 7)

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38	MECHANICAL- SOIL AND ROCK	Soil	Proctor Light Compaction Test (OMC)	IS : 2720 (Part 7)
39	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS : 2720 (Part 3)