National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ASP MATERIAL TESTING LABORATORY, RAMNAGAR PATIYA, DHANSURA, MODASA, SABAR KANTHA, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5545 **Page No** 1 of 3

Validity 24/04/2022 to 23/04/2024 **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	Absolute Viscosity	IS 1206, Part-2
2	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS 1208
3	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Kinematics Viscosity	IS 1206, Part-3
4	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Loss on heating	IS 1212
5	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration @ 25°C	IS 1203
6	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening point	IS 1205
7	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific gravity	IS 1202
8	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix / Core	Binder content	ASTM D 2172
9	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix / Core	Density of mix	ASTM D 2726
10	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix / Core	Marshal Flow	ASTM D 6927
11	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix / Core	Marshal Stability	ASTM D 6927
12	MECHANICAL- BUILDINGS MATERIALS	Bricks	Compressive strength	IS 3495 (Part–1)
13	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension – Height	IS 1077
14	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension – Length	IS 1077
15	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension – Width	IS 1077
16	MECHANICAL- BUILDINGS MATERIALS	Bricks	Efflorescence	IS 3495 (Part–3)
17	MECHANICAL- BUILDINGS MATERIALS	Bricks	Water absorption	IS 3495 (Part–2)
18	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC and PPC)	Density	IS 4031 (Part – 11)

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19	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC and PPC)	Compressive strength	IS 4031 (Part–6)
20	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC and PPC)	Consistency	IS 4031 (Part 4)
21	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC and PPC)	Final setting time	IS 4031 (Part 5)
22	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC and PPC)	Fineness by Blaine air permeability	IS 4031 (Part–2)
23	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC and PPC)	Fineness by Dry Sieving	IS 4031 (Part–1)
24	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC and PPC)	Initial Setting Time	IS 4031(Part 5)
25	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC and PPC)	Soundness by Le–chatelier methods	IS 4031 (Part – 3)
26	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part–1)
27	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part–1)
28	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact value	IS 2386 (Part–4)
29	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Los angeles abrasion value	IS 2386 (Part–4)
30	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve analysis	IS 2386 (Part–1)
31	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific gravity	IS 2386 (Part–3)
32	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water absorption	IS 2386 (Part–3)
33	MECHANICAL- BUILDINGS MATERIALS	Concrete	Compressive strength	IS 516
34	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Materials finer than 75 micron	IS 2386 (Part–1)
35	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis	IS 2386 (Part–1)
36	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific gravity	IS 2386 (Part–3)
37	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water absorption	IS 2386 (Part–3)

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38	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Elongation %	IS 1608 (Part-1)
39	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Mass per meter	IS 1786
40	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Ultimate Tensile Strength	IS 1608 (Part 1)
41	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Yield stress	IS 1608 (Part 1)
42	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS 2720 (Part–16)
43	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis	IS 2720 (Part–4)
44	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction – MDD	IS 2720 (Part–8)
45	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction – OMC	IS 2720 (Part–8)
46	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction - MDD	IS 2720 (Part–7)
47	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction – OMC	IS 2720 (Part–7)
48	MECHANICAL- SOIL AND ROCK	Soil	Liquid limit	IS 2720 (Part–5)
49	MECHANICAL- SOIL AND ROCK	Soil	Moisture Content	IS 2720 (Part 2)
50	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part–5)
51	MECHANICAL- SOIL AND ROCK	Soil	Specific gravity	IS 2720 (Part–3, Sec–1)