National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : BALAJI MATERIALS TESTING LAB, F-24, LAKSHMI PALACE COMPLEX, STATION ROAD, BILLIMORA, NAVSARI, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9274 **Page No** 1 of 3

Validity 22/02/2021 to 21/02/2023 **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	Ductility	IS 1208
2	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration	IS 1203
3	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening point	IS 1205
4	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific gravity	IS 1202
5	MECHANICAL- BUILDINGS MATERIALS	Bituminous Concrete Mix	Binder content	ASTM D2172
6	MECHANICAL- BUILDINGS MATERIALS	Bituminous Concrete Mix	Flow Test	ASTM D 6927
7	MECHANICAL- BUILDINGS MATERIALS	Bituminous Concrete Mix	Marshall Stability	ASTM D 6927
8	MECHANICAL- BUILDINGS MATERIALS	Building Brick	Dimension - Height	IS 1077
9	MECHANICAL- BUILDINGS MATERIALS	Burnt clay bricks and Fly ash bricks	Compressive Strength	IS 3495 (Part 1)
10	MECHANICAL- BUILDINGS MATERIALS	Burnt clay bricks and Fly ash bricks	Dimension - Length	IS 1077
11	MECHANICAL- BUILDINGS MATERIALS	Burnt clay bricks and Fly ash bricks	Dimension (Width)	IS 1077
12	MECHANICAL- BUILDINGS MATERIALS	Burnt clay bricks and Fly ash bricks	Efflorescence	IS 3495 (Part 3)
13	MECHANICAL- BUILDINGS MATERIALS	Burnt clay bricks and Fly ash bricks	Water absorption	IS 3495 (Part 2)
14	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, SRC,PSC) (53/43/33)	Compressive strength	IS 4031 (Part 6)
15	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, SRC,PSC) (53/43/33)	Consistency	IS 4031 (Part 4)
16	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, SRC,PSC) (53/43/33)	Final setting time	IS 4031 (Part 5)
17	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, SRC,PSC) (53/43/33)	Fineness by Blaine air permeability	IS 4031 (Part 2)
18	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, SRC,PSC) (53/43/33)	Initial setting time	IS 4031 (Part 5)

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19	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC,PPC, SRC,PSC) (53/43/33)	Density	IS 4031 (Part-11)
20	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC,PPC, SRC,PSC) (53/43/33)	Fineness by dry sieving (% retained)	IS 4031 (Part 1)
21	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC,PPC, SRC,PSC) (53/43/33)	Soundness by Lechatelier method	IS 4031 (Part 3)
22	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density & Voids	IS 2386 (Part 3)
23	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
24	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness index	IS 2386 (Part 1)
25	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4)
26	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (Graduation)	IS 2386 (Part 1)
27	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
28	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
29	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Crushing Value	IS 2386 (Part4)
30	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Los angeles abrasion value	IS 2386 (Part4)
31	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Materials finer than 75 microns IS sieve	IS 2386 (Part 1)
32	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (Gradation)	IS 2386 (Part 1)
33	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
34	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
35	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Water Absorption	IS 15658
36	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Compressive Strength	IS 15658
37	MECHANICAL- SOIL AND ROCK	Soil	California Bearing ratio	IS 2720 (Part 16)

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38	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear test (Angle)	IS 2720 (Part 13)
39	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear test (Cohesion	IS 2720 (Part 13)
40	MECHANICAL- SOIL AND ROCK	Soil	Gradation (75 micron to 40 mm)	IS 2720 (Part 4)
41	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (MDD)	IS 2720 (Part 8)
42	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (OMC)	IS 2720 (Part 8)
43	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (MDD)	IS 2720 (Part 7)
44	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (OMC)	IS 2720 (Part 27)
45	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5)
46	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
47	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS:2720 (Part 6)
48	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part-3)