National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SKANDA MATERIAL TESTING LABORATORY PRIVATE LIMITED, 26-150, SHARADA NAGAR, SAFILGUDA, SECUNDERABAD, HYDERABAD, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9562 **Page No** 1 of 3

Validity 31/05/2021 to 30/05/2023 **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 /Bituminuos Material	Absolute Viscosity	IS: 1206 (Part-II)
2	MECHANICAL- BUILDINGS MATERIALS	Bitumen /Bituminuos Material	Bitumen Binder Content	IRC-SP11 (Appendix 5C)
3	MECHANICAL- BUILDINGS MATERIALS	Bitumen /Bituminuos Material	Ductility	IS 1208
4	MECHANICAL- BUILDINGS MATERIALS	Bitumen /Bituminuos Material	Flash & Fire	IS : 1209
5	MECHANICAL- BUILDINGS MATERIALS	Bitumen /Bituminuos Material	Marshall Stability	ASTM D6927-15, AASTHO T245
6	MECHANICAL- BUILDINGS MATERIALS	Bitumen /Bituminuos Material	Penetration	IS 1203
7	MECHANICAL- BUILDINGS MATERIALS	Bitumen /Bituminuos Material	Softening Point	IS 1205
8	MECHANICAL- BUILDINGS MATERIALS	Bricks	Compressive Strength	IS 3495(Part-1)
9	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension (Length, Width and Height)	IS 1077
10	MECHANICAL- BUILDINGS MATERIALS	Bricks	Efflorescence	IS 3495(Part-3)
11	MECHANICAL- BUILDINGS MATERIALS	Bricks	Water Absorption	IS 3495(Part-2)
12	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC and PPC)	Compressive Strength	IS 4031 (Part-6)
13	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC and PPC)	Density	IS 4031 (Part-11)
14	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC and PPC)	Setting Time - Final	IS 4031 (Part-5)
15	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC and PPC)	Setting Time - Initial	IS 4031 (Part-5)
16	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC and PPC)	Soundness (Le-Chatlier)	IS 4031 (Part-3)
17	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC and PPC)	Standard Consistency	IS 4031 (Part-4)
18	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	10 Percent Fines Value	IS 2386 (Part-4)

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19	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Aggregate crushing value	IS 2386 (Part-4)
20	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Aggregate impact value	IS 2386 (Part-4)
21	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Bulk density	IS 2386 (Part-3)
22	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Elongation index	IS 2386 (Part-1)
23	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Flakiness index	IS 2386 (Part-1)
24	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Sieve Analysis % Passing	IS 2386 (Part-1)
25	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Specific gravity	IS 2386 (Part-3)
26	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Water absorption	IS 2386 (Part-3)
27	MECHANICAL- BUILDINGS MATERIALS	Concrete	Compressive Strength of Concrete cubes	IS : 516
28	MECHANICAL- BUILDINGS MATERIALS	Concrete	Slump Test on Fresh Concrete	IS: 1199
29	MECHANICAL- BUILDINGS MATERIALS	Concrete Blocks (AAC)	Block Density	IS: 6441 (Part 1)
30	MECHANICAL- BUILDINGS MATERIALS	Concrete Blocks (AAC)	Compressive Strength	IS: 6441 (Part V)
31	MECHANICAL- BUILDINGS MATERIALS	Concrete Blocks (Solid and Hollow)	Water Absorption	IS: 2185 (Part 1)
32	MECHANICAL- BUILDINGS MATERIALS	Fine aggregates	Bulk Density (Loose & Compacted)	IS 2386 (Part 3)
33	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Bulking of Sand	IS : 2386 (Part - 3)
34	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Sieve Analysis	IS 2386 (Part 1)
35	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Specific Gravity	IS 2386 (Part 3)
36	MECHANICAL- BUILDINGS MATERIALS	Fine aggregates	Water absorption	IS 2386 (Part 3)
37	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Residue on 45micron Sieve	IS: 1727

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38	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Compression Strength	IS: 15658
39	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Water Absorption	IS: 15658
40	MECHANICAL- SOIL AND ROCK	Clay and Soil	Water Content of Soil by Oven Drying Method	IS:2720 (Part 2)
41	MECHANICAL- SOIL AND ROCK	Clays & Soils	Direct Shear- Angle of Shearing Resistance (phi)	IS 2720 Part-13
42	MECHANICAL- SOIL AND ROCK	Clays & Soils	Direct Shear- Cohesion (C)	IS 2720 Part-13
43	MECHANICAL- SOIL AND ROCK	Clays and Soil	California Bearing Ratio	IS 2720 Part-16
44	MECHANICAL- SOIL AND ROCK	Clays and Soil	Free Swelling Index	IS 2720 Part-40
45	MECHANICAL- SOIL AND ROCK	Clays and Soil	Grain Size Analysis	IS 2720 (Part-4)
46	MECHANICAL- SOIL AND ROCK	Clays and Soil	Heavy Compaction test - M.D.D	IS 2720 Part-8
47	MECHANICAL- SOIL AND ROCK	Clays and Soil	Heavy Compaction test - O.M.C	IS 2720 Part-8
48	MECHANICAL- SOIL AND ROCK	Clays and Soil	Light Compaction Test - M.D.D	IS 2720 Part-7
49	MECHANICAL- SOIL AND ROCK	Clays and Soil	Light Compaction Test - O.M.C	IS 2720 Part-7
50	MECHANICAL- SOIL AND ROCK	Clays and Soil	Liquid limit	IS 2720 Part-5
51	MECHANICAL- SOIL AND ROCK	Clays and Soil	Plastic Limit	IS 2720 Part-5
52	MECHANICAL- SOIL AND ROCK	Clays and Soil	Specific Gravity (Density Bottle)	IS 2720 Part-3/Sec-1
53	MECHANICAL- SOIL AND ROCK	Clays and Soil	Specific Gravity (Pycnometer)	IS 2720 Part-3/Sec-2
54	MECHANICAL- SOIL AND ROCK	Clays and Soil	Triaxial Shear Test of Soil	IS 2720 Part-11