National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SBP MATERIAL TESTING LABORATORY, 6,7,11 & 12, VRAJ VIHAR APPARTMENT, SUBHANPURA, VADODARA, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6107 **Page No** 1 of 5

Validity 10/08/2022 to 09/08/2024 **Last Amended on** 25/01/2023

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	Burnt clay brick	Dimension - Width	IS 1077
2	MECHANICAL- BUILDINGS MATERIALS	Burnt clay brick	Compressive strength	IS 3495 (Part 1)
3	MECHANICAL- BUILDINGS MATERIALS	Burnt clay brick	Dimension - Length	IS 1077
4	MECHANICAL- BUILDINGS MATERIALS	Burnt clay brick	Efflorescence	IS 3495 (Part 3)
5	MECHANICAL- BUILDINGS MATERIALS	Burnt clay brick	Water Absorption	IS 3495 (Part 2)
6	MECHANICAL- BUILDINGS MATERIALS	Burnt clay brick	Dimension - Height	IS 1077
7	MECHANICAL- BUILDINGS MATERIALS	Cement	Density	IS 4031 (Part 11)
8	MECHANICAL- BUILDINGS MATERIALS	cement	Fineness by Blaine	IS 4031 (Part 02)
9	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk density	IS 2386 (Part 3)
10	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)
11	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
12	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1)
13	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4)
14	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Size and grading of aggregate (90mm to 75 micron)	IS 2386 (Part 1)
15	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
16	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
17	MECHANICAL- BUILDINGS MATERIALS	Concrete Core	Compressive Strength	IS 516 (Part-1/Sec-1)
18	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis / Gradation (75 micron to 4.75mm)	IS 2386 (Part-1)

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19	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Bulk Density	IS 2386 (Part-3)
20	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Finer than 75 micron	IS 2386 (Part 1)
21	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Specific Gravity	IS 2386 (Part 3)
22	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
23	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Slump test	IS 1199 (PART-02)
24	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete Cube	Compressive Strength	IS 516
25	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement OPC-33G,43G,53G/ PSC / PPC / White Cement / Cement Mortar / Integral Water Proofing Compound /Cement Base Wall Putty	Compressive strength	IS 4031 (Part 6)
26	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement OPC-33G,43G,53G/ PSC / PPC / White Cement / Cement Mortar / Integral Water Proofing Compound /Cement Base Wall Putty	Final setting time	IS 4031 (Part 5)
27	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement OPC-33G,43G,53G/ PSC / PPC / White Cement / Cement Mortar / Integral Water Proofing Compound /Cement Base Wall Putty	Fineness by Dry Sieving (40 µ to 125 mm)	IS 4031 (Part 1)
28	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement OPC-33G,43G,53G/ PSC / PPC / White Cement / Cement Mortar / Integral Water Proofing Compound /Cement Base Wall Putty	Initial setting time	IS 4031 (Part 5)
29	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement OPC-33G,43G,53G/ PSC / PPC / White Cement / Cement Mortar / Integral Water Proofing Compound /Cement Base Wall Putty	Soundness by Le-Chatelier	IS 4031 (Part 3)
30	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement OPC-33G,43G,53G/ PSC / PPC / White Cement / Cement Mortar / Integral Water Proofing Compound /Cement Base Wall Putty	Standard Consistency	IS 4031 (Part 4)
31	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Compressive Strength	IS 15658
32	MECHANICAL- BUILDINGS MATERIALS	Paver block	Dimension - Width	IS 15658
33	MECHANICAL- BUILDINGS MATERIALS	Paver block	Dimensions - Length	IS 15658
34	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Dimensions - Thickness	IS 15658
35	MECHANICAL- BUILDINGS MATERIALS	Paver block	Plan Area/ Wearing face area	IS 15658

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36	MECHANICAL- BUILDINGS MATERIALS	Paver block	Water absorption	IS 15658
37	MECHANICAL- SOIL AND ROCK	Clay & Soils	Dry Density- (Core Cutting Method)	IS 2720 (Part 29)
38	MECHANICAL- SOIL AND ROCK	Clay & Soils	Dry Density- (Sand Replacement Method)	IS 2720 (Part 28)
39	MECHANICAL- SOIL AND ROCK	Clays and Soils Electrical Resistivity by Wenner's Four	Electrical Resistivity by Wenner's Four Electrode method (By Soil Box)	IS 3043
40	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 05)
41	MECHANICAL- SOIL AND ROCK	Soil	California Bearing ratio	IS 2720 (PART-16)
42	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear strength (Angle)	IS 2720 (Part 13)
43	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear strength (Cohesion)	IS 2720 (Part 13)
44	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
45	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (75 micron to 40 mm) Grain Size Analysis	IS 2720 (Part 04)
46	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction - MDD	IS 2720 (Part 08)
47	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction - OMC	IS 2720 (Part 08)
48	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction - MDD	IS 2720 (Part 07)
49	MECHANICAL- SOIL AND ROCK	Soil	Light compaction - OMC	IS 2720 (Part 07)
50	MECHANICAL- SOIL AND ROCK	Soil	Moisture Content	IS 2720 (Part 02)
51	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
52	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720 (Part–6)
53	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 03)

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54	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compression Strength	IS 2720 (Part–10)

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Site Facility				
1	MECHANICAL- SOIL AND ROCK	Clay & Soils	Dry Density- (Core Cutting Method)	IS 2720 (Part 29)
2	MECHANICAL- SOIL AND ROCK	Clay & Soils	Dry Density- (Sand Replacement Method)	IS 2720 (Part 28)
3	MECHANICAL- SOIL AND ROCK	Clays and Soils Electrical Resistivity by Wenner's Four	Electrical Resistivity by Wenner's Four Electrode method (By Soil Box)	IS 3043
4	MECHANICAL- SOIL AND ROCK	Soil & Rock Field Test	Dynamic Cone Penetration	IS 4968 (PART 1-2)
5	MECHANICAL- SOIL AND ROCK	Soil / Rock Field Test	Standard Penetration Test	IS 2131