National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ASHIRWAD GEOTECH LABORATORY, A/25/116, KRISHNA INDUSTRIAL ESTATE, VADODARA, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11490 **Page No** 1 of 3

Validity 22/03/2023 to 21/03/2025 **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	Autocleaved Aerated Cellular Block	Compressive Strength	IS : 6441 (Part 5)
2	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Absolute Viscosity	IS : 1206 (Part 2)
3	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS : 1208
4	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Kinematic Viscosity (At 135 Deg C)	IS : 1206 (Part 3)
5	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration at 25 Deg C (1/10 mm)	IS : 1203
6	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS : 1205
7	MECHANICAL- BUILDINGS MATERIALS	Bituminous Concrete Mix	Marshal Flow	ASTM D6927-15
8	MECHANICAL- BUILDINGS MATERIALS	Bituminous Concrete Mix	Marshal Stability	ASTM D6927-15
9	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks, Fly Ash Bricks	Compressive Strength	IS : 3495 (Part 1)
10	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks, Fly Ash Bricks	Dimension and Tolerance (Height)	IS : 1077
11	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks, Fly Ash Bricks	Dimension and Tolerance (Length)	IS : 1077
12	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks, Fly Ash Bricks	Dimension and Tolerance (Width)	IS : 1077
13	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks, Fly Ash Bricks	Efflorescence	IS : 3495 (Part 3)
14	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks, Fly Ash Bricks	Water Absorption	IS : 3495 (Part 2)
15	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, SRC, PSC)	Compressive Strength	IS : 4031 (Part 6)
16	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, SRC, PSC)	Consistency	IS : 4031 (Part 4)
17	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, SRC, PSC)	Fineness by Dry sieving	IS : 4031 (Part 1)
18	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, SRC, PSC)	Setting Time (Final)	IS : 4031 (Part 5)

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Certificate Number TC-11490 **Page No** 2 of 3

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19	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, SRC, PSC)	Setting Time (Initial)	IS : 4031 (Part 5)
20	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, SRC, PSC)	Soundness by Le Chatlier	IS : 4031 (Part 3)
21	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Abrasion Value	IS : 2386 (Part 4)
22	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS : 2386 (Part 4)
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 (80 mm to 75 micron)	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	Concrete (Hardened), Cube, Cylinder, Core, Beam	Compressive Strength	IS : 516
30	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density (loose)	IS : 2386 (Part 3)
31	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density (Rodded)	IS : 2386 (Part 3)
32	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Materials finer than 75 micron	IS : 2386 (Part 1)
33	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (10 mm to 75 micron)	IS : 2386 (Part 1)
34	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS : 2386 (Part 3)
35	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS : 2386 (Part 3)
36	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Blocks, Paver block	Compressive Strength	IS : 15658, IS : 2185(Part 1)
37	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Blocks, Paver block	Water Absorption	IS : 15658

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38	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Bend & Rebend Test	IS : 1786
39	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Elongation	IS : 1608 (part 1)
40	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Mass per meter	IS : 1786
41	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Ultimate Tensile Stress	IS : 1608 (Part 1)
42	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Yield Stress / 0.2 % proff Stress	IS : 1608 (Part 1)
43	MECHANICAL- SOIL AND ROCK	Soil	Atterberg's Limit (Liquid Limit)	IS : 2720 (Part 5)
44	MECHANICAL- SOIL AND ROCK	Soil	Atterberg's Limit (Plastic Limit)	IS : 2720 (part 5)
45	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio (soaked)	IS : 2720 (part 16)
46	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio (Unsoaked)	IS : 2720 (Part 16)
47	MECHANICAL- SOIL AND ROCK	soil	Grain size Analysis (0.075mm to 4.75 mm)	IS : 2720 (Part 4)
48	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (MDD)	IS : 2720 (Part 8)
49	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (OMC)	IS : 2720 (Part 8)
50	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (MDD)	IS 2720 (Part 7)
51	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (OMC)	IS : 2720 (Part 7)