National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ASHOKA GEOTECH CONSULTANTS INDIA PVT. LTD., 51, P.G. ENCLAVE, PATEL NAGAR, CITY CENTRE, GWALIOR, MADHYA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6918 **Page No** 1 of 6

Validity 27/05/2022 to 26/05/2024 **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	Autoclaved Aerated Concrete (AAC) Blocks	Block Density	IS 2185 (Part 3)
2	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Aerated Concrete (AAC) Blocks	Compressive Strength	IS 2185 (Part 3)
3	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Aerated Concrete (AAC) Blocks	Dimension - Height	IS 2185 (Pt-03)
4	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Aerated Concrete (AAC) Blocks	Dimension - Length	IS 2185 (Part 3)
5	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Aerated Concrete (AAC) Blocks	Dimension - Width	IS 2185 (Pt-03)
6	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Loss on Heating	IS 1212
7	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration	IS 1203
8	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
9	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Water Content	IS 1211
10	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix	Binder Content	IRC-SP-O11 (Appendix – C)
11	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix	Marshall Stability Flow	ASTM D 6927
12	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix	Marshall Stability Load	ASTM D 6927
13	MECHANICAL- BUILDINGS MATERIALS	Brick	Compressive Strength	IS 3495 (Part 1)
14	MECHANICAL- BUILDINGS MATERIALS	Brick	Water Absorption	IS 3495 (Part 2)
15	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension - Height	IS 1077
16	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension - Length	IS 1077
17	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension - Width	IS 1077
18	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive Strength	IS 4031 (Part 6)

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19	MECHANICAL- BUILDINGS MATERIALS	Cement	Final Setting Time	IS 4031 (Part 5)
20	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness by Dry Sieving	IS 4031 (Part 1)
21	MECHANICAL- BUILDINGS MATERIALS	Cement	Initial Setting Time	IS 4031 (Part 5)
22	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness by Le-Chatelier	IS 4031 (Part 3)
23	MECHANICAL- BUILDINGS MATERIALS	Cement	Specific Gravity	IS 4031 (Part 11)
24	MECHANICAL- BUILDINGS MATERIALS	Cement	Standard Consistency of Cement Paste	IS 4031 (Part 4)
25	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10 % Fines Value	IS 2386 (Part 4)
26	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 (Part 3)
27	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)
28	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
29	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1)
30	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4)
31	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (4.75mm to 125mm)	IS 2386 (Part 1)
32	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
33	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
34	MECHANICAL- BUILDINGS MATERIALS	Concrete	Compressive Strength	IS 516
35	MECHANICAL- BUILDINGS MATERIALS	Concrete	Flexure/ Transverse Strength	IS 516
36	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS 2386 (Part 3)
37	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulking of Fine Aggregate	IS 2386 (Part 3)

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38	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Material	IS 2386 (Part 1)
39	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (0.075 mm to 4.75 mm)	IS 2386 (Part 1)
40	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
41	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water absorption	IS 2386 (Part 3)
42	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Compressive Strength	IS 2185 (Part 1 & 2)
43	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Dimension - Height	(IS 2185 (Part 1):
44	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Dimension - Length	IS 2185 (Part 1)
45	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Dimension - Width	IS 2185 (Part 1):
46	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Water Absorption	IS 2185 (Part 1 & 2)
47	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Dimension - Height	IS 15658
48	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Dimension - Width	IS :15658
49	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Compressive Strength	IS 15658
50	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Dimension - Length	IS 15658
51	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Water Absorption	IS 15658
52	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement Steel	Bend test	IS 1599
53	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement Steel	Elongation %	IS 1608 part1
54	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement Steel	Mass per meter	IS 1786

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55	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement Steel	Ultimate Tensile Strength	IS 1608 part1
56	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement Steel	Yield Stress	IS 1608 part1
57	MECHANICAL- SOIL AND ROCK	Natural Building Stone	Dimensions - Length	IS 1130
58	MECHANICAL- SOIL AND ROCK	Natural Building Stones	Dimension - Diameter	IS 1130
59	MECHANICAL- SOIL AND ROCK	Natural Building Stones	Specific Gravity	IS 1122
60	MECHANICAL- SOIL AND ROCK	Natural Building Stones	Water Absorption	IS 1124
61	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS 2720 (Part 16)
62	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear 'C'	IS 2720 (Part 13)
63	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear 'Ø'	IS 2720 (Part 13)
64	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
65	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (4.75mm to 0.075mm)	IS 2720 (Part 4)
66	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction: MDD	IS 2720 (Part 8)
67	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction: Optimum Moisture Content	IS 2720 (Part 8)
68	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction: Maximum Dry Density	IS 2720 (Part 7)
69	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction: Optimum Moisture Content	IS 2720 (Part 7)
70	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5)
71	MECHANICAL- SOIL AND ROCK	Soil	Moisture Content	IS 2720 (Part 2)
72	MECHANICAL- SOIL AND ROCK	Soil	Permeability Test	IS 2720 (Part 17)

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73	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
74	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (PART 3/SEC 2)
75	MECHANICAL- SOIL AND ROCK	Soil	Swelling Pressure	IS 2720 (Part 41)
76	MECHANICAL- SOIL AND ROCK	Soil	Tri-axial 'C'	IS 2720 (Part 12)
77	MECHANICAL- SOIL AND ROCK	Soil	Tri-axial 'Ø'	IS 2720 (Part 12)

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Site Facility				
1	MECHANICAL- SOIL AND ROCK	Soil	Plate Load Test (On Plate Size 30cm)	IS 1888
2	MECHANICAL- SOIL AND ROCK	Soil	Standard Penetration Test	IS 2131
3	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Rebound Hammer Test	Strength of Concrete	IS 13311 (Part 2)