



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



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 / 8

Validity 10/01/2019 to 09/01/2021 Last Amended on -

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
Permanent Facility					
1	MECHANICAL-BUILDINGS MATERIALS	Autoclaved Aerated Concrete (AAC) Blocks	Block Density	IS 2185 (Part 3): 2005, RA: 2015	0.1 g/cm ³ to 2.0 g/cm ³
2	MECHANICAL-BUILDINGS MATERIALS	Autoclaved Aerated Concrete (AAC) Blocks	Compressive Strength	IS 2185 (Part 3): 2005, RA: 2015	2 N/mm ² to 40 N/mm ²
3	MECHANICAL-BUILDINGS MATERIALS	Autoclaved Aerated Concrete (AAC) Blocks	Dimension	IS 2185 (Part 3): 2005, RA: 2015	50 mm to 500 mm
4	MECHANICAL-BUILDINGS MATERIALS	Bitumen	Loss on Heating	IS 1212: 1978, RA: 2014	0.01 % to 10 %
5	MECHANICAL-BUILDINGS MATERIALS	Bitumen	Penetration	IS 1203: 1978, RA: 2013	0.5 (1/10th of mm) to 40 (1/10th of mm)
6	MECHANICAL-BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205: 1978, RA: 2014	15.0 °C to 90.0 °C
7	MECHANICAL-BUILDINGS MATERIALS	Bitumen	Water Content	IS 1211: 1978, RA: 2014	0.01 % to 10.0 %
8	MECHANICAL-BUILDINGS MATERIALS	Bitumen Mix	Binder Content	IRC-SP-O11 (Appendix - C): 2011	0.5 % to 30.0 %
9	MECHANICAL-BUILDINGS MATERIALS	Bitumen Mix	Marshall Stability Flow	ASTM D 6927 : 2015	0.01 mm to 10.0 mm (Flow)



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



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. : 2 / 8

Validity 10/01/2019 to 09/01/2021 Last Amended on -

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
10	MECHANICAL-BUILDINGS MATERIALS	Bitumen Mix	Marshall Stability Load	ASTM D 6927: 2015	2.0 kN to 50.0 kN (Load)
11	MECHANICAL-BUILDINGS MATERIALS	Brick	Compressive Strength	IS 3495 (Part 1): 1992, RA: 2016	2.0 N/mm ² to 15.0 N/mm ²
12	MECHANICAL-BUILDINGS MATERIALS	Brick	Dimension	IS 1077: 1992, RA: 2016	3000 mm to 5000 mm (Length), 1500 mm to 2500 mm (Width), 500 mm to 2000 mm (Height)
13	MECHANICAL-BUILDINGS MATERIALS	Brick	Water Absorption	IS 3495 (Part 2): 1992, RA: 2016	1 % to 30 %
14	MECHANICAL-BUILDINGS MATERIALS	Cement	Compressive Strength	IS 4031 (Part 6): 1988, RA: 2014	10 N/mm ² to 80 N/mm ²
15	MECHANICAL-BUILDINGS MATERIALS	Cement	Final Setting Time	IS 4031 (Part 5): 1998 RA: 2014	30 minutes to 600 minutes
16	MECHANICAL-BUILDINGS MATERIALS	Cement	Fineness by Dry Sieving	IS 4031 (Part 1): 1996, RA: 2016	2 % to 30 %
17	MECHANICAL-BUILDINGS MATERIALS	Cement	Initial Setting Time	IS 4031 (Part 5): 1998, RA: 2014	10 minutes to 200 minutes
18	MECHANICAL-BUILDINGS MATERIALS	Cement	Soundness by Le-Chatelier	IS 4031 (Part 3): 1988, RA: 2014	0.5 mm to 20 mm



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



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. : 3 / 8

Validity 10/01/2019 to 09/01/2021 Last Amended on -

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
19	MECHANICAL-BUILDINGS MATERIALS	Cement	Specific Gravity	IS 4031 (Part 11): 1988, RA: 2014	2.0 g/cm ³ to 3.5 g/cm ³
20	MECHANICAL-BUILDINGS MATERIALS	Cement	Standard Consistency of Cement Paste	IS 4031 (Part 4): 1998, RA: 2014	20 % to 40 %
21	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	10 % Fines Value	IS 2386 (Part 4): 1963, RA: 2016	50 kN to 400 kN
22	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 (Part 3): 1963, RA: 2016	1.200 g/cm ³ to 3.500 g/cm ³
23	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4): 1963, RA: 2016	2 % to 50 %
24	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1): 1963, RA: 2016	2 % to 50 %
25	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1): 1963, RA: 2016	2 % to 50 %
26	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4): 1963 RA: 2016	2 % to 50 %
27	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (4.75mm to 125mm)	IS 2386 (Part 1): 1963, RA: 2016	0.1 % to 99.9 %
28	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3): 1963, RA: 2016	1.0 to 4.0



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



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. : 4 / 8

Validity 10/01/2019 to 09/01/2021 Last Amended on -

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
29	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3): 1963, RA: 2016	0.10 % to 10.0 %
30	MECHANICAL-BUILDINGS MATERIALS	Concrete	Compressive Strength	IS 516: 1959, RA: 2013	1.00 N/mm ² to 75.0 N/mm ²
31	MECHANICAL-BUILDINGS MATERIALS	Concrete	Flexure/ Transverse Strength	IS 516: 1959, RA: 2013	0.5 N/mm ² to 20 N/mm ²
32	MECHANICAL-BUILDINGS MATERIALS	Concrete	Water Absorption	IS 2185 (Part 1): 2005, RA: 2015	0.10 % to 10 %
33	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS 2386 (Part 3): 1963, RA: 2016	1.2 g/cm ³ to 2.0 g/cm ³
34	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Bulking of Fine Aggregate	IS 2386 (Part 3): 1963, RA: 2016	0.1 % to 20 %
35	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Material < 0.075mm/ Silt Content	IS 2386 (Part 1): 1963, RA: 2016	0.10 % to 5 %
36	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (0.075 mm to 4.75 mm)	IS 2386 (Part 1): 1963, RA: 2016	0.10 % to 99.90 %
37	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3): 1963, RA: 2016	2.5 to 3.5
38	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Water absorption	IS 2386 (Part 3): 1963 RA: 2016	0.10 % to 5.00 %



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



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. : 5 / 8

Validity 10/01/2019 to 09/01/2021 Last Amended on -

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
39	MECHANICAL-BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Compressive Strength	IS 2185 (Part 1 & 2): 2005, RA: 2015	2 N/mm ² to 40 N/mm ²
40	MECHANICAL-BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Dimension	IS 2185 (Part 1 & 2): 2005, RA: 2015	50 mm to 500 mm
41	MECHANICAL-BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Water Absorption	IS 2185 (Part 1 & 2): 2005, RA: 2015	0.1 % to 10.0 %
42	MECHANICAL-BUILDINGS MATERIALS	Paver Blocks	Compressive Strength	IS 15658: 2006, RA: 2017	5 N/mm ² to 60 N/mm ²
43	MECHANICAL-BUILDINGS MATERIALS	Paver Blocks	Dimension	IS 15658: 2006, RA: 2017	40 mm to 500 mm
44	MECHANICAL-BUILDINGS MATERIALS	Paver Blocks	Water Absorption	IS 15658: 2006, RA: 2017	0.1 % to 20 %
45	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel	Elongation %	IS 1608: 2005	5 % to 80.0 %
46	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel	Mass per meter	IS 1786: 2008	0.5 kg to 30.0 kg
47	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel	Yield Stress	IS 1608: 2005	20 kN to 1000 kN Load



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



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. : 6 / 8

Validity 10/01/2019 to 09/01/2021 Last Amended on -

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
48	MECHANICAL- SOIL AND ROCK	Natural Building Stones	Density	IS 1124: 2013	1.0 g/cm ³ to 3.0 g/cm ³
49	MECHANICAL- SOIL AND ROCK	Natural Building Stones	Dimension	IS 1130: 2008	5.0 mm to 500.0 mm
50	MECHANICAL- SOIL AND ROCK	Natural Building Stones	Point Load Strength	IS 9143: 2010	5 MN/m ² to 350 MN/m ²
51	MECHANICAL- SOIL AND ROCK	Natural Building Stones	Specific Gravity	IS 1122: 2008	1.0 to 3.0
52	MECHANICAL- SOIL AND ROCK	Natural Building Stones	Water Absorption	IS 1124: 2013	0.1 % to 10.0 %
53	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS 2720 (Part 16): 2011	0.5 % to 35.0 %
54	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear 'C'	IS 2720 (Part 13): 2015	0.001 kg/cm ² to 1.0 kg/cm ²
55	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear 'Ø'	IS 2720 (Part 13): 2015	5.0 ° to 50.0 °
56	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40): 2011	0.1 % to 60.0 %
57	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (4.75mm to 0.075mm)	IS 2720 (Part 4): 2015	0 % to 100 %
58	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction: MDD	IS 2720 (Part 8): 2015	1.40 g/cm ³ to 2.30 g/cm ³
59	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction: Optimum Moisture Content	IS 2720 (Part 8): 2015	5.0 % to 30.0 %
60	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction: Maximum Dry Density	IS 2720 (Part 7): 2011	1.40 g/cm ³ to 1.95 g/cm ³



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



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. : 7 / 8

Validity 10/01/2019 to 09/01/2021 Last Amended on -

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
61	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction: Optimum Moisture Content	IS 2720 (Part 7): 2011	5.0 % to 25.0 %
62	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5): 2015	20.0 % to 80.0 %
63	MECHANICAL- SOIL AND ROCK	Soil	Moisture Content	IS 2720 (Part 2): 2015	1.0 % to 30.0 %
64	MECHANICAL- SOIL AND ROCK	Soil	Permeability Test	IS 2720 (Part 17): 2011	0.001 cm/sec to 0.000001 cm/sec
65	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5): 2015	15.0 % to 60.0 %
66	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (PART 3/SEC 2): 2011	1.5 to 3.0
67	MECHANICAL- SOIL AND ROCK	Soil	Swelling Pressure	IS 2720 (Part 41): 2011	0.01 N/mm ² to 1.00 N/mm ²
68	MECHANICAL- SOIL AND ROCK	Soil	Tri-axial 'C'	IS 2720 (Part 12): 2011	0.001 kg/cm ² to 3.0 kg/cm ²
69	MECHANICAL- SOIL AND ROCK	Soil	Tri-axial 'Ø'	IS 2720 (Part 12): 2011	1.0 ° to 25.0 °
70	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Rebound Hammer Test	Strength of Concrete	IS 13311 (Part 2): 2013	105 kg/cm ² to 600 kg/cm ²



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



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. : 8 / 8

Validity 10/01/2019 to 09/01/2021 Last Amended on -

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
Site Facility					
1	MECHANICAL- SOIL AND ROCK	Soil	Plate Load Test (On Plate Size 30cm)	IS 1888: 2011	5 kN to 500 kN
2	MECHANICAL- SOIL AND ROCK	Soil	Standard Penetration Test	IS 2131: 2011	5 Blows to 50 Blows