



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name MICRO CONSULTANCY SERVICES, A-1/B-2, KRISHNA PARK SOCIETY, ANDHARVADI NAKU, PANVADI, VYARA, TAPI, GUJARAT , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5782 Page No. : 1 / 7

Validity 12/06/2019 to 11/06/2021 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	Autoclave Cellular (Aerated) Concrete Blocks	Block Density	IS 2185 (Part 3): 1984	0.45 g/cc to 1.1 g/cc
2	MECHANICAL-BUILDINGS MATERIALS	Autoclave Cellular (Aerated) Concrete Blocks	Compressive Strength	IS 2185 (Part 3): 1984	0.5 N/mm ² to 10 N/mm ²
3	MECHANICAL-BUILDINGS MATERIALS	Autoclave Cellular (Aerated) Concrete Blocks	Dimension	IS 2185 (Part 3): 1984	400 mm to 650 mm
4	MECHANICAL-BUILDINGS MATERIALS	Bitumen	Absolute Viscosity	IS 1206 (Part 2): 1978	600 Poise to 3500 poise
5	MECHANICAL-BUILDINGS MATERIALS	Bitumen	Kinematics Viscosity	IS 1206 (Part 3): 1978	200 cSt to 450 cSt
6	MECHANICAL-BUILDINGS MATERIALS	Bitumen	Penetration	IS 1203: 1978	35 div. to 100 div.
7	MECHANICAL-BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205: 1978	30 deg. c. to 55 deg. c.
8	MECHANICAL-BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS 1202: 1978	0.95 to 1.101
9	MECHANICAL-BUILDINGS MATERIALS	Bitumen	Ductility	IS 1208: 1978	10 cm to 100 cm



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name MICRO CONSULTANCY SERVICES, A-1/B-2, KRISHNA PARK SOCIETY, ANDHARVADI NAKU, PANVADI, VYARA, TAPI, GUJARAT , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5782 Page No. : 2 / 7

Validity 12/06/2019 to 11/06/2021 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	Binder Content	ASTM D 2172: 2011	1 % to 10 %
11	MECHANICAL-BUILDINGS MATERIALS	Bitumen-Mix	Density	ASTM D 2726: 2011	2 g/cc to 3 g/cc
12	MECHANICAL-BUILDINGS MATERIALS	Bitumen-Mix	Flow Test	ASTM D 6927: 2015	1 mm to 10 mm
13	MECHANICAL-BUILDINGS MATERIALS	Bitumen-Mix	Marshal Stability	ASTM D 6927: 2015	1 kN to 25 kN
14	MECHANICAL-BUILDINGS MATERIALS	Brick Clay/Fly-ash/Fly-ash Lime	Compressive Strength	IS 3495 (Part 1): 1992	1 N/mm ² to 15 N/mm ²
15	MECHANICAL-BUILDINGS MATERIALS	Brick Clay/Fly-ash/Fly-ash Lime	Dimension	IS 1077 / 13757: 1992 /1993	4000 mm to 5000 mm
16	MECHANICAL-BUILDINGS MATERIALS	Brick Clay/Fly-ash/Fly-ash Lime	Efflorescence	IS 3495 (Part 3): 1992	Qualitative
17	MECHANICAL-BUILDINGS MATERIALS	Brick Clay/Fly-ash/Fly-ash Lime	Water Absorption	IS 3495 (Part 2): 1992	2 % to 40 %
18	MECHANICAL-BUILDINGS MATERIALS	Cement	Compressive Strength	IS 4031 (Part 6): 1988	10 N/mm ² to 80 N/mm ²
19	MECHANICAL-BUILDINGS MATERIALS	Cement	Consistency	IS 4031 (Part 4): 1988	25 % to 40 %



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name MICRO CONSULTANCY SERVICES, A-1/B-2, KRISHNA PARK SOCIETY, ANDHARVADI NAKU, PANVADI, VYARA, TAPI, GUJARAT , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5782 Page No. : 3 / 7

Validity 12/06/2019 to 11/06/2021 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
20	MECHANICAL-BUILDINGS MATERIALS	Cement	Final Setting Time	IS 4031 (Part 5): 1988	100 Min. to 600 Min.
21	MECHANICAL-BUILDINGS MATERIALS	Cement	Fineness by Blaine's Method	IS 4031 (Part 2): 1999	100 m ² /kg to 500 m ² /kg
22	MECHANICAL-BUILDINGS MATERIALS	Cement	Initial Setting Time	IS 4031 (Part 5): 1988	30 Min. to 250 Min.
23	MECHANICAL-BUILDINGS MATERIALS	Cement	Soundness by Le-Chatelier Method	IS 4031 (Part 3): 1988	0.01 mm to 10 mm
24	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 (Part 3): 1963	1.1 kg/lit to 3 kg/lit
25	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4): 1963	1 % to 60 %
26	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1): 1963	2 % to 40 %
27	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1): 1963	2 % to 40 %
28	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4): 1963	1 % to 60 %
29	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Loss Angles Abrasion Value	IS 2386 (Part 4): 1963	1 % to 60 %



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name MICRO CONSULTANCY SERVICES, A-1/B-2, KRISHNA PARK SOCIETY, ANDHARVADI NAKU, PANVADI, VYARA, TAPI, GUJARAT , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5782 Page No. : 4 / 7

Validity 12/06/2019 to 11/06/2021 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
30	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis	IS 2386 (Part 1): 1963	0 % to 100 %
31	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Soundness by Sodium Sulphate	IS 2386 (Part 5): 1963	0.1 % to 25 %
32	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3): 1963	2.0 to 3.5
33	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Ten Percent Fines Value	IS 2386 (Part 4): 1963	100 kN to 400 kN
34	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3): 1963	0.1 % to 10 %
35	MECHANICAL-BUILDINGS MATERIALS	Concrete	Compressive Strength	IS 516: 1959	5 N/mm ² to 80 N/mm ²
36	MECHANICAL-BUILDINGS MATERIALS	Concrete	Flexural Beam	IS 516: 1959	1 N/mm ² to 10 N/mm ²
37	MECHANICAL-BUILDINGS MATERIALS	Concrete	Slump Test	IS 1199: 1959	0 mm to 250 mm
38	MECHANICAL-BUILDINGS MATERIALS	Concrete	Split Tensile Strength	IS 5816: 1999	0.5 N/mm ² to 5 N/mm ²
39	MECHANICAL-BUILDINGS MATERIALS	Concrete Paver Blocks	Compressive Strength	IS 15658: 2006	5 N/mm ² to 80 N/mm ²



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name MICRO CONSULTANCY SERVICES, A-1/B-2, KRISHNA PARK SOCIETY, ANDHARVADI NAKU, PANVADI, VYARA, TAPI, GUJARAT , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5782 Page No. : 5 / 7

Validity 12/06/2019 to 11/06/2021 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
40	MECHANICAL- BUILDINGS MATERIALS	Concrete Paver Blocks	Water Absorption	IS 15658: 2006	0.1 % to 20 %
41	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS 2386 (Part 3): 1963	1.1 kg/lit to 3 kg/lit
42	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Finer than 75 Micron	IS 2386 (Part 1): 1963	0.4 % to 20 %
43	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis	IS 2386 (Part 1): 1963	0.01 % to 100 %
44	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness by Sodium Sulphate	IS 2386 (Part 5): 1963	0.1 % to 20 %
45	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3): 1963	2.0 to 3.5
46	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3): 1963	0.01 % to 10 %
47	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS 2720 (Part 16): 1987	1 % to 60 %
48	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Test	IS 2720 (Part 15): 1986	0.01 cm ² /min. to 2.0 cm ² /min.
49	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test	IS 2720 (Part 13): 1986	0 kg/cm ² to 2 kg/cm ²
50	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40): 1973	10 % to 100 %



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name MICRO CONSULTANCY SERVICES, A-1/B-2, KRISHNA PARK SOCIETY, ANDHARVADI NAKU, PANVADI, VYARA, TAPI, GUJARAT , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5782 Page No. : 6 / 7

Validity 12/06/2019 to 11/06/2021 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
51	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (Wet Analysis)	IS 2720 (Part 4): 1985	0 % to 100 %
52	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction	IS 2720 (Part 8): 1986	1.4 g/cc to 2.6 g/cc
53	MECHANICAL- SOIL AND ROCK	Soil	Hydrometer Analysis	IS 2720 (Part 4): 1985	20 % to 80 %
54	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction	IS 2720 (Part 7): 1986	1 g/cc to 2.1 g/cc
55	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5): 1985	25 % to 80 %
56	MECHANICAL- SOIL AND ROCK	Soil	Moisture Content	IS 2720 (Part 2): 1973	0.2 % to 30 %
57	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5): 1985	5 % to 50 %
58	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720 (Part 4): 1980	7.0 % to 25 %
59	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3): 1980	2.4 to 3.0
60	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compression Strength	IS 2720 (Part 10): 1980	0.1 kg/cm ² to 10.0 kg/cm ²



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name MICRO CONSULTANCY SERVICES, A-1/B-2, KRISHNA PARK SOCIETY, ANDHARVADI NAKU, PANVADI, VYARA, TAPI, GUJARAT , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5782 Page No. : 7 / 7

Validity 12/06/2019 to 11/06/2021 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 Field Test	Determination of Dry Density of Soil in Place by Core-Cutter Method	IS 2720 (Part 28): 1975	1.2 g/cc to 2.4 g/cc
2	MECHANICAL- SOIL AND ROCK	Soil Field Test	Dry Density of Soil in Place by Sand Replacement Method	IS 2720 (Part 28): 1975	1.2 g/cc to 2.4 g/cc
3	MECHANICAL- SOIL AND ROCK	Soil Field Test	Field CBR Test	IRC 37 /ASTM D-6951: 2012 /2009	2 % to 50 %