National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : EARTH CONSULTANCY, 09, JAHNVI INDUSTRIAL ESTATE, AHMEDABAD, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10050 **Page No** 1 of 4

Validity 02/11/2021 to 01/11/2023 **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	A.A.C Blocks	Dimensions (Width)	IS 2185 (Part 3)
2	MECHANICAL- BUILDINGS MATERIALS	A.A.C. Blocks	Compressive Strength	IS 6441 (Part 5)
3	MECHANICAL- BUILDINGS MATERIALS	A.A.C. Blocks	Dimension (Height)	IS 2185 (Part 3)
4	MECHANICAL- BUILDINGS MATERIALS	A.A.C. Blocks	Dimensions (Length)	IS 2185 (Part 3)
5	MECHANICAL- BUILDINGS MATERIALS	A.A.C. Blocks	Dry Density	IS 6441 (Part 1)
6	MECHANICAL- BUILDINGS MATERIALS	A.A.C. Blocks	Moisture Content	IS 6441 (Part 1)
7	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Absolute Viscosity	IS 1206: (Part 2)
8	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility Test	IS 1208
9	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Kinematic Viscosity	IS 1206 (Part 3)
10	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Loss on Heating	IS 1202
11	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration Test	IS 1203
12	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
13	MECHANICAL- BUILDINGS MATERIALS	BItumen	Specific gravity	IS 1202
14	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Bitumen Content (Centrifuge)	ASTM (D 2172)
15	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Compacted Density of Mix	ASTM (D 2726)
16	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshall flow	ASTM D 6927
17	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshall Stability	ASTM D 6927
18	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Theoretical Maximum Specific Gravity	ASTM (D 2041)

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19	MECHANICAL- BUILDINGS MATERIALS	Bricks	Compressive Strength	IS 3495 (Part 1)
20	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension (Height)	IS 1077
21	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension (Length)	IS 1077
22	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension (Width)	IS 1077
23	MECHANICAL- BUILDINGS MATERIALS	Bricks	Efflorescence	IS 3495 (Part 3)
24	MECHANICAL- BUILDINGS MATERIALS	Bricks	Water Absorption	IS 3495 (Part 2)
25	MECHANICAL- BUILDINGS MATERIALS	Cement (O.P.C & P.P.C)	Consistency	IS 4031 (Part 4)
26	MECHANICAL- BUILDINGS MATERIALS	Cement (O.P.C & P.P.C)	Initial Setting Time	IS 4031 (Part 5)
27	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC & PPC)	Compressive Strength	IS 4031 (Part 6)
28	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC & PPC)	Density	IS 4031 (Part 11)
29	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC & PPC)	Final Setting Time	IS 4031 (Part 5)
30	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC & PPC)	Fineness by Blaine Air Permeability	IS 4031 (Part 2)
31	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC & PPC)	FIneness by Dry Sieving	IS 4031 (Part 1)
32	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC & PPC)	Soundness Le-Chatelier Method	IS 4031 (Part 3)
33	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	10% Fines Value	IS 2386 (Part 4)
34	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Bulk Density (Loose and Compacted)	IS 2386 (Part 3)
35	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Crushing Value	IS 2386 (Part 4)
36	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Elongation Index	IS 2386 (Part 1)
37	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Flakiness Index	IS 2386 (Part 1)

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38	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Impact Value	IS 2386 (Part 4)
39	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Los Angles Abrasion Value	IS 2386 (Part 4)
40	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Sieve Analysis	IS 2386 (Part 1)
41	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Soundness	IS 2386 (P-5)
42	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Specific Gravity	IS 2386 (Part 3)
43	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Water Absorption	IS 2386 (Part 3)
44	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density (Loose and Compacted)	IS 2386 (Part 3)
45	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Material Finer than 75µ	IS 2386 (Part 2)
46	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis	IS 2386 (Part 1)
47	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
48	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
49	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Compressive Strength	IS 1727
50	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Density	IS 1727
51	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Residue from 45 Micron	IS 1727
52	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Slump Test	IS 1199 (Part 2)
53	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Weight Per Cubic Meter	IS 1199
54	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Compressive Strength	IS 516
55	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Flexural strength of Beam	IS 516
56	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Compressive strength	IS 15658

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57	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Water Absorption	IS 15658
58	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio (Unsoaked)	IS 2720 Part 16
59	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test - Angle of internal friction	IS 2720 (Part 13)
60	MECHANICAL- SOIL AND ROCK	Soil	Direct shear Test - Cohesion	IS 2720 (Part 13)
61	MECHANICAL- SOIL AND ROCK	Soil	Field Density (By Core Cutter Method)	IS 2720 (Part 29)
62	MECHANICAL- SOIL AND ROCK	Soil	Field Density of Soil by Sand Replacement Method	IS 2720 (Part 28)
63	MECHANICAL- SOIL AND ROCK	Soil	Field Moisture Content (By Sand Replacement Method)	IS 2720 (Part 2)
64	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
65	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis	IS 2720 (Part 4)
66	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (M.D.D)	IS 2720 (Part 8)
67	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction OMC	IS 2720 (Part 8)
68	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction MDD	IS 2720 (Part 7)
69	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction OMC	IS 2720 (Part 7)
70	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit By Cone Penetrometer	IS 2720 (P-5)
71	MECHANICAL- SOIL AND ROCK	Soil	Moisture Content (By Rapid moisture method)	IS 2720 (Part 2)
72	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
73	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720 (Part 6)
74	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3/Sec-1)
75	MECHANICAL- SOIL AND ROCK	Soil	Swelling Pressure	IS 2720 (Part 41)