National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : UNIVERSAL ENGINEERING SERVICES, PLOT NO 54, D E 06, GIDC, VISNAGAR, MAHESANA, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10290 **Page No** 1 of 4

Validity 02/02/2022 to 01/02/2024 **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	Bitumen	Absolute Viscosity	IS 1206(Part 2)
2	MECHANICAL- BUILDINGS MATERIALS	BITUMEN	Binder content	IRC SP 11
3	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS 1208
4	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Kinematic Viscosity	IS 1206 (Part 3)
5	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration (DIV.1/10 MM)	IS 1203
6	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
7	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS 1202
8	MECHANICAL- BUILDINGS MATERIALS	Bitumenous mix	Density	ASTM 2726 M
9	MECHANICAL- BUILDINGS MATERIALS	Brick	Compressive Strength	IS 3495 (Part 1)
10	MECHANICAL- BUILDINGS MATERIALS	Brick	Efflorescence	IS 3495 (Part 3)
11	MECHANICAL- BUILDINGS MATERIALS	Brick (Burnt clay)	Dimension (Width)	IS 1077
12	MECHANICAL- BUILDINGS MATERIALS	Brick (Burnt clay)	Dimension(Height)	IS 1077
13	MECHANICAL- BUILDINGS MATERIALS	Brick (Fly Ash)	Dimension (Length)	IS 13757
14	MECHANICAL- BUILDINGS MATERIALS	Brick (Fly Ash)	Dimension (width)	IS 13757
15	MECHANICAL- BUILDINGS MATERIALS	Brick (Brunt Clay)	Dimension (Length)	IS 1077
16	MECHANICAL- BUILDINGS MATERIALS	Bricks	Water Absorption	IS 3495 (Part 2)
17	MECHANICAL- BUILDINGS MATERIALS	Bricks(Fly Ash)	Dimension(height)	IS 13757
18	MECHANICAL- BUILDINGS MATERIALS	Cement-OPC/PPC	Compressive Strength	IS 4031(Part 6)

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19	MECHANICAL- BUILDINGS MATERIALS	Cement-OPC/PPC	Final Setting time	IS 4031(Part 5)
20	MECHANICAL- BUILDINGS MATERIALS	Cement-OPC/PPC	Fineness By Blaine Air Permeability	IS 4031(Part 2)
21	MECHANICAL- BUILDINGS MATERIALS	Cement-OPC/PPC	Initial Setting Time	IS 4031(Part 5)
22	MECHANICAL- BUILDINGS MATERIALS	Cement-OPC/PPC	Soundness By Le-Chatelier	IS 4031(Part 3)
23	MECHANICAL- BUILDINGS MATERIALS	Cement-OPC/PPC	Standard Consistency	IS 4031(Part 4)
24	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 (Part 3)
25	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)
26	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
27	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1)
28	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4)
29	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Los Angeles Abrasion Value	IS 2386 (Part 4)
30	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (Sieve Size 75 Micron to 125 mm)	IS 2386 (Part 1)
31	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
32	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
33	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS 2386 (Part 3)
34	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Material Finer than 75 microns	IS 2386 (Part 1)
35	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (Sieve Size 150 Micron to 10 mm)	IS 2386 (Part 1)
36	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
37	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)

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38	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Slump	IS 1199 (Part 2)
39	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Compressive Strength	IS 15658
40	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Water Absorption	IS 15658
41	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Mass per meter	IS 1786
42	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Elongation	IS 1608
43	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Ultimate Tensile Strength	IS 1608
44	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Yield Stress	IS 1608
45	MECHANICAL- SOIL AND ROCK	Building Stone/Rubble	Compressive Strength	IS 1121 (Part 1)
46	MECHANICAL- SOIL AND ROCK	Building Stone/Rubble	Specific Gravity(Apparent)	IS 1124
47	MECHANICAL- SOIL AND ROCK	Building Stone/Rubble	Water Absorption	IS 1124
48	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio (C.B.R.)	IS 2720 (Part 16)
49	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test-UU (angle of internal friction)	IS 2720(Part 13)
50	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test-UU (cohesion)	IS 2720(Part 13)
51	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
52	MECHANICAL- SOIL AND ROCK	Soil	Grain size Analysis by Sieve (Sieve Size 4.75 Micron to 4.75 mm)	IS 2720 (Part 4)
53	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction MDD	IS 2720 (Part 8)
54	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction OMC	IS 2720 (Part 8)
55	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction OMC	IS 2720 (Part 7)

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56	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction MDD	IS 2720 (Part 7)
57	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5)
58	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
59	MECHANICAL- SOIL AND ROCK	Soil	Specific gravity-Coarse Grain Soil	IS 2720 (Part 3/Sec.-2)
60	MECHANICAL- SOIL AND ROCK	Soil	Specific gravity-Fine Grained Soil	IS 2720 (Part 3/Sec 1)
61	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compression Strength	IS 2720 (Part 10)
62	MECHANICAL- SOIL AND ROCK	Soil	Water content	IS 2720 (Part 2)