



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** GLOBAL ENGINEERING AND GEOTECHNICAL SERVICES LLP, BL 103, KHATA NO. 542, VYARA- UNAI ROAD, VYARA, TAPI, GUJARAT, INDIA  
**Accreditation Standard** ISO/IEC 17025:2017  
**Certificate Number** TC-10182 **Page No** 1 of 5  
**Validity** 30/12/2025 to 29/12/2029 **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 Testing				
1	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Absolute Viscosity (at 60°C)	IS 1206 (Part 2)
2	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS 1208 (Part 1)
3	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Kinematics Viscosity (at 135°C)	IS 1206 (Part 3)
4	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration (Div 1/10 mm )	IS 1203
5	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
6	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS 1202
7	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Binder Content	IRC-SP-11
8	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Bulk Density	ASTM D2726
9	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Flow	ASTM D6927
10	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshall Stability	ASTM D6927
11	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimension (Length)	IS 1077
12	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimension (Height)	IS 1077
13	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimension (Width)	IS 1077
14	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Fly Ash Brick	Dimension (Height)	IS 13757
15	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Fly Ash Brick	Dimension (Length)	IS 13757
16	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Fly Ash Brick	Dimension (Width)	IS 13757
17	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay/ Burnt Clay Fly Ash Brick	Compressive Strength	IS 3495 (Part 1)
18	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay/ Burnt Clay Fly Ash Brick	Efflorescence	IS 3495 (Part 3)
19	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay/ Burnt Clay Fly Ash Brick	Water Absorption	IS 3495 (Part 2)



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20	MECHANICAL- BUILDINGS MATERIALS	Cement OPC / PCC	Soundness By Le-Chatelier	IS 4031 (Part 3)
21	MECHANICAL- BUILDINGS MATERIALS	Cement OPC / PPC	Compressive Strength	IS 4031 (Part 6)
22	MECHANICAL- BUILDINGS MATERIALS	Cement OPC / PPC	Final Setting Time	IS 4031 (Part 5)
23	MECHANICAL- BUILDINGS MATERIALS	Cement OPC / PPC	Initial Setting Time	IS 4031 (Part 5)
24	MECHANICAL- BUILDINGS MATERIALS	Cement OPC / PPC	Standard Consistency	IS 4031 (Part 4)
25	MECHANICAL- BUILDINGS MATERIALS	Cement OPC/ PPC	Fineness By Blaine Air Permeability	IS 4031 (Part 2)
26	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density (Compacted)	IS 2396 (Part 3)
27	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density (Loose)	IS 2386 (Part 3)
28	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)
29	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
30	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1)
31	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4)
32	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Los Angeles Abrasion Value	IS 2386 (Part 4)
33	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (125mm,100mm, 90mm, 80mm, 75mm, 63mm, 53mm, 50mm, 45mm, 40mm, 37.5mm, 31.5mm, 26.5mm, 25mm, 22.4mm, 20mm, 19mm, 16mm, 13.2mm, 12.5mm, 11.2mm, 10mm, 9.5mm, 6.3mm, 5.6mm, 4.75 mm)	IS 2386 (Part 1)
34	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
35	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
36	MECHANICAL- BUILDINGS MATERIALS	Concrete Core	Compressive Strength	IS 516 (Part 4)



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37	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube	Compressive Strength	IS 516 (Part 1/ Sec 1)
38	MECHANICAL- BUILDINGS MATERIALS	Concrete Mix	Slump	IS 1199 (Part 2)
39	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density (Compacted)	IS 2386 (Part 3)
40	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density (Loose)	IS 2386 (Part 3)
41	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Material Finer Than 75 Micron	IS 2386 (Part 1)
42	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve analysis (10 mm, 4.75 mm, 2.36 mm, 1.18 mm, 600 $\mu\text{m}$ , 300 $\mu\text{m}$ , 150 $\mu\text{m}$ )	IS 2386 (Part 1)
43	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
44	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
45	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Compressive Strength	IS 15658, Annexure D
46	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Water Absorption	IS 15658, Annexure C
47	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Elongation	IS 1608 (Part 1)
48	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Mass per Meter	IS 1786
49	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Ultimate Tensile Strength	IS 1608 (Part 1)
50	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Steel	Yield Stress	IS 1608 (Part 1)
51	MECHANICAL- SOIL AND ROCKS	Natural Building Stone	Specific Gravity (Apparent)	IS 1124
52	MECHANICAL- SOIL AND ROCKS	Natural Building Stone	Uniaxial Compressive Strength	IS 1121 (Part 1)
53	MECHANICAL- SOIL AND ROCKS	Natural Building Stone	Water Absorption	IS 1124
54	MECHANICAL- SOIL AND ROCKS	Soil	California Bearing Ratio (C.B.R)	IS 2720 (Part 16)
55	MECHANICAL- SOIL AND ROCKS	Soil	Direct Shear Test (Angle of Friction)	IS 2720 (Part 13)
56	MECHANICAL- SOIL AND ROCKS	Soil	Direct Shear Test (C- Cohesion)	IS 2720 (Part 13)



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57	MECHANICAL- SOIL AND ROCKS	Soil	Free Swell Index	IS 2720 (Part 40)
58	MECHANICAL- SOIL AND ROCKS	Soil	Grain Size Analysis (By Sieve) (4.75 mm, 2.00 mm, 0.425 mm, 0.075 mm)	IS 2720 (Part 4)
59	MECHANICAL- SOIL AND ROCKS	Soil	Heavy Compaction (MDD)	IS 2720 (Part 8)
60	MECHANICAL- SOIL AND ROCKS	Soil	Heavy Compaction (OMC)	IS 2720 (Part 8)
61	MECHANICAL- SOIL AND ROCKS	Soil	Light Compaction (MDD)	IS 2720 (Part 7)
62	MECHANICAL- SOIL AND ROCKS	Soil	Light Compaction (OMC)	IS 2720 (Part 7)
63	MECHANICAL- SOIL AND ROCKS	Soil	Liquid Limit	IS 2720 (Part 5)
64	MECHANICAL- SOIL AND ROCKS	Soil	Plastic Limit	IS 2720 (Part 5)
65	MECHANICAL- SOIL AND ROCKS	Soil	Specific Gravity- Fine Grained Soil	IS 2720 (Part 3/Sec 1)
66	MECHANICAL- SOIL AND ROCKS	Soil	Unconfined Compression Strength	IS 2720 (Part 10)
67	MECHANICAL- SOIL AND ROCKS	Soil	Water Content	IS 2720 (Part 2)



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Site Testing				
1	MECHANICAL- SOIL AND ROCKS	Soil	Field Density by Sand Replacement	IS 2720 (Part 28)
2	MECHANICAL- SOIL AND ROCKS	Soil	Field Dry Density by Core Cutter Method	IS 2720 (Part 29)