



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

GENSTRU CONSULTANTS PVT. LTD., BHUMANTHAN, SURVEY NO. 50/1, PARKHE VASTI, HIRAI SITAI
MANDIR ROAD, HINJEWADI, PUNE, MAHARASHTRA, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-5082

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Validity

29/12/2024 to 28/12/2028

Last Amended on

10/04/2026

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-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	(Cube) Concrete	Compressive Strength	IS 516 (Part 1/Sec 1)
2	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Burnt Clay Bricks	Compressive Strength	IS 3495 (Part 1)
3	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Burnt Clay Bricks	Dimension (Height)	IS 1077
4	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Burnt Clay Bricks	Dimension (Length)	IS 1077
5	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Burnt Clay Bricks	Dimension (Width)	IS 1077
6	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Burnt Clay Bricks	Efflorescence	IS 3495 (Part 3)
7	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Burnt Clay Bricks	Water Absorption	IS 3495 (Part 2)



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8	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Cement (OPC)	Soundness by Autoclave	IS 4031 (Part 3)
9	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Cement (PPC)	Compressive Strength	IS 4031 (Part 6)
10	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Cement (PPC)	Consistency	IS 4031 (Part 4)
11	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Cement (PPC)	Density of Cement	IS 4031 (Part 11)
12	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Cement (PPC)	Fineness by Blain Air	IS 4031 (Part 2)
13	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Cement (PPC)	Setting Time (Final)	IS 4031 (Part 5)
14	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Cement (PPC)	Setting Time (Initial)	IS 4031 (Part 5)



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15	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Cement (PPC)	Soundness (Autoclave)	IS 4031 (Part 3)
16	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Cement (PPC)	Soundness (Le Chatelier)	IS 4031 (Part 3)
17	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Cement OPC	Compressive Strength	IS 4031 (Part 6)
18	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Cement OPC	Consistency	IS 4031 (Part 4)
19	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Cement OPC	Density of Cement	IS 4031 (Part 11)
20	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Cement OPC	Fineness by Blain air	IS 4031 (Part 2)
21	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Cement OPC	Setting Time (Final)	IS 4031 (Part 5)



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22	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Cement OPC	Setting Time (Initial)	IS 4031 (Part 5)
23	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Cement OPC	Soundness (Le Chatelier)	IS 4031 (Part 3)
24	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Coarse Aggregate	% Voids - Compacted Density	IS 2386 (Part 3)
25	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Coarse Aggregate	% Voids - Loose Density	IS 2386 (Part 3)
26	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Coarse Aggregate	10% Fine Value	IS 2386 (Part 4)
27	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Coarse Aggregate	Abrasion Value	IS 2386 (Part 4)
28	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Coarse Aggregate	Bulk Density (Compacted)	IS 2386 (Part 3)



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29	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Coarse Aggregate	Bulk Density-Loose	IS 2386 (Part 3)
30	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)
31	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
32	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1)
33	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4)
34	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Coarse Aggregate	Sieve Analysis (Gradation) (IS Sieve 4.75 mm to IS Sieve 80 mm)	IS 2386 (Part 1)
35	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Coarse Aggregate	Soundness by Sodium Sulphate and Magnesium Sulphate	IS 2386 (Part 5)



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36	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
37	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
38	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Fine Aggregate	% Voids - Compacted Density	IS 2386 (Part 3)
39	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Fine Aggregate	% Voids - Loose Density	IS 2386 (Part 3)
40	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Fine Aggregate	Bulk Density (Compacted)	IS 2386 (Part 3)
41	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Fine Aggregate	Bulk Density-Loose	IS 2386 (Part 3)
42	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Fine Aggregate	Material Finer Than 75 microns	IS 2386 (Part 1)



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43	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Fine Aggregate	Sieve Analysis (gradation) (IS Sieve 0.075mm to IS Sieve 4.75 mm)	IS 2386 (Part 1)
44	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Fine Aggregate	Soundness by Sodium Sulphate and Magnesium Sulphate	IS 2386 (Part 5)
45	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
46	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
47	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Flyash	Compressive Strength	IS 1727
48	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Flyash	Consistency	IS 1727, IS 4031 (Part 4)
49	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Flyash	Drying Shrinkage	IS 1727



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50	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Flyash	Final Setting Time	IS 1727, IS 4031 (Part 5)
51	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Flyash	Fineness by Sieving	IS 1727
52	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Flyash	Initial Setting Time	IS 1727, IS 4031 (Part 5)
53	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Flyash	Lime Reactivity	IS 1727
54	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Flyash	Soundness by Autoclave	IS 1727, IS 4031 (Part 3)
55	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Flyash	Soundness by Lechatelier	IS 1727, IS 4031 (Part 3)
56	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Flyash	Specific Gravity	IS 1727



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57	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Flyash	Specific Surface by Blain's Air Permeability	IS 1727
58	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Flyash Bricks	Compressive Strength	IS 3495 (Part 1)
59	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Flyash Bricks	Water Absorption	IS 3495 (Part 2)
60	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Ground Granulated Blast-furnace Slag (GGBS)	Density	IS 4031 (Part 11)
61	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Ground Granulated Blast-furnace Slag (GGBS)	Fineness by Blain's Air Permeability	IS 4031 (Part 2)
62	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Ground Granulated Blast-furnace Slag (GGBS)	Slag Activity Index	IS 4031 (Part 6)
63	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Paver Block	Compressive Strength	IS 15658



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64	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Paver Block	Dimensional (Length)	IS 15658
65	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Paver Block	Dimensional (Thickness)	IS 15658
66	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Paver Block	Dimensional (Width)	IS 15658
67	MECHANICAL-BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Paver Block	Water Absorption	IS 15658
68	MECHANICAL- SOIL AND ROCKS	Clays and Soil	California Bearing Ratio	IS 2720 (Part 16)
69	MECHANICAL- SOIL AND ROCKS	Clays and Soil	Consolidation (Cc)	IS 2720 (Part 15)
70	MECHANICAL- SOIL AND ROCKS	Clays and Soil	Consolidation (Pc)	IS 2720 (Part 15)
71	MECHANICAL- SOIL AND ROCKS	Clays and Soil	Direct Shear (Angle of Friction)	IS 2720 (Part 13)
72	MECHANICAL- SOIL AND ROCKS	Clays and Soil	Direct Shear (Cohesion)	IS 2720 (Part 13)
73	MECHANICAL- SOIL AND ROCKS	Clays and Soil	Free Swell Index	IS 2720 (Part 40)
74	MECHANICAL- SOIL AND ROCKS	Clays and Soil	Grain Size Analysis (Hydrometer Analysis: 2 microns to 75 micron)	IS 2720 (Part 4) CI 5.2



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75	MECHANICAL- SOIL AND ROCKS	Clays and Soil	Grain Size Analysis (Wet & Dry Method: 4.75 mm to 75 micron)	IS 2720 (Part 4)
76	MECHANICAL- SOIL AND ROCKS	Clays and Soil	Heavy Compaction (MDD)	IS 2720 (Part 8)
77	MECHANICAL- SOIL AND ROCKS	Clays and Soil	Heavy Compaction (OMC)	IS 2720 (Part 8)
78	MECHANICAL- SOIL AND ROCKS	Clays and Soil	Light Compaction (MDD)	IS 2720 (Part 7)
79	MECHANICAL- SOIL AND ROCKS	Clays and Soil	Light Compaction (OMC)	IS 2720 (Part 7)
80	MECHANICAL- SOIL AND ROCKS	Clays and Soil	Liquid Limit	IS 2720 (Part 5)
81	MECHANICAL- SOIL AND ROCKS	Clays and Soil	Permeability by Falling Head	IS 2720 (Part 17)
82	MECHANICAL- SOIL AND ROCKS	Clays and Soil	Plastic Limit	IS 2720 (Part 5)
83	MECHANICAL- SOIL AND ROCKS	Clays and Soil	Shrinkage Limit	IS 2720 (Part 6)
84	MECHANICAL- SOIL AND ROCKS	Clays and Soil	Specific Gravity	IS 2720 (Part 3/Sec- 1)
85	MECHANICAL- SOIL AND ROCKS	Clays and Soil	Swelling Pressure by Consolidometer Method	IS 2720 (Part 41)
86	MECHANICAL- SOIL AND ROCKS	Clays and Soil	Unconfined Compressive Strength	IS 2720 (Part 10)
87	MECHANICAL- SOIL AND ROCKS	Clays and Soil	Unconsolidated Undrained Triaxial (Angle of Friction)	IS 2720 (Part 11)
88	MECHANICAL- SOIL AND ROCKS	Clays and Soil	Unconsolidated Undrained Triaxial (Cohesion)	IS 2720 (Part 11)
89	MECHANICAL- SOIL AND ROCKS	Clays and Soil	Water Content	IS 2720 (Part 2)
90	MECHANICAL- SOIL AND ROCKS	Rock	Cerchar Abrsivity Index	Cerchar Method ASTM D 7625



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91	MECHANICAL- SOIL AND ROCKS	Rock	Density	IS 13030
92	MECHANICAL- SOIL AND ROCKS	Rock	Modulus of Elasticity	IS 9221
93	MECHANICAL- SOIL AND ROCKS	Rock	Point load Index	IS 8764
94	MECHANICAL- SOIL AND ROCKS	Rock	Poisson's Ratio	IS 9221
95	MECHANICAL- SOIL AND ROCKS	Rock	Porosity	IS 13030
96	MECHANICAL- SOIL AND ROCKS	Rock	Slake Durability Index	IS 10050
97	MECHANICAL- SOIL AND ROCKS	Rock	Specific Gravity	IS 13030
98	MECHANICAL- SOIL AND ROCKS	Rock	Tensile Strength	IS 10082
99	MECHANICAL- SOIL AND ROCKS	Rock	Triaxial Compression Test - Cohesion	IS 13047
100	MECHANICAL- SOIL AND ROCKS	Rock	Triaxial Compression Test- (Angle of Internal Friction)	IS 13047
101	MECHANICAL- SOIL AND ROCKS	Rock	Unconfined Compressive Strength	IS 9143
102	MECHANICAL- SOIL AND ROCKS	Rock	Water Absorption	IS 13030
103	MECHANICAL- SOIL AND ROCKS	Rock	Water Content	IS 13030
104	MECHANICAL- SOIL AND ROCKS	Stones	Apparent Specific Gravity	IS 1124
105	MECHANICAL- SOIL AND ROCKS	Stones	Compressive Strength	IS 1121 (Part 1)
106	MECHANICAL- SOIL AND ROCKS	Stones	Porosity	IS 1124



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107	MECHANICAL- SOIL AND ROCKS	Stones	Scratch Hardness (Mho's Scale)	IS 13630 (Part 13)
108	MECHANICAL- SOIL AND ROCKS	Stones	True Specific Gravity	IS 1122
109	MECHANICAL- SOIL AND ROCKS	Stones	Water Absorption	IS 1124



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Site Testing				
1	MECHANICAL- SOIL AND ROCKS	Rock	Deformation Modulus by Flexible Dilatometer (Ed)	IS 12955 (Part 2)
2	MECHANICAL- SOIL AND ROCKS	Rock	In-situ Permeability	IS 5529 (Part 2)
3	MECHANICAL- SOIL AND ROCKS	Soil	California Bearing Ratio (Field CBR)	IS 2720 (Part 31)
4	MECHANICAL- SOIL AND ROCKS	Soil	Dry Density by Core Cutter Method	IS 2720 (Part 29)
5	MECHANICAL- SOIL AND ROCKS	Soil	Dry Density by Sand Replacement Method	IS 2720 (Part 28)
6	MECHANICAL- SOIL AND ROCKS	Soil	Electrical Resistivity Test (ERT)	IS 3043
7	MECHANICAL- SOIL AND ROCKS	Soil	Standard Penetration	IS 2131
8	MECHANICAL- SOIL AND ROCKS	Soil	Water Content by Calcium Carbide Method	IS 2720 (Part 2)
9	MECHANICAL- SOIL AND ROCKS	Soil and Rock	Electrical Resistivity (2-D)	IS 15736
10	MECHANICAL- SOIL AND ROCKS	Soil and Rock	Multi-Channel Analysis of Surface Waves (MASW)	IS 1892 (Annexure E2, Cl 6.14)
11	MECHANICAL- SOIL AND ROCKS	Soil and Rock	Seismic Refraction Test - P Wave Velocity	IS 15681