



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 -

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)
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)



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12	MECHANICAL- BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Cement (PPC)	Fineness test (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)
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)
22	MECHANICAL- BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Cement OPC	Setting time (initial)	IS:4031 (Part 5)



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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)
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)



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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)
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)
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)



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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
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)



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56	MECHANICAL- BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Flyash	Specific Gravity	IS 1727
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
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



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67	MECHANICAL- BUILDING, INFRASTRUCTURE & CONSTRUCTION MATERIALS	Paver Block	Water Absorption	IS 15658
68	MECHANICAL- SOIL AND ROCKS	Clays and Soil	CBR	IS 2720 (PART 16)
69	MECHANICAL- SOIL AND ROCKS	Clays and Soil	Consolidation Test (Cc)	IS 2720 (PART 15)
70	MECHANICAL- SOIL AND ROCKS	Clays and Soil	Consolidation Test (Pc)	IS 2720 (PART 15)
71	MECHANICAL- SOIL AND ROCKS	Clays and Soil	Direct Shear Test (Angle of Friction)	IS: 2720 (PART 13)
72	MECHANICAL- SOIL AND ROCKS	Clays and Soil	Direct Shear Test (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 75micron)	IS 2720 (PART 4) CI 5.2
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)

This is annexure to 'Certificate of Accreditation' and does not require any signature.



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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 Test (Angle of Friction)	IS 2720 (PART 11)
88	MECHANICAL- SOIL AND ROCKS	Clays and Soil	Unconsolidated Undrained Triaxial Test (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
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)



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106	MECHANICAL- SOIL AND ROCKS	Stones	Porosity	IS: 1124
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