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
Validity	29/12/2022 to 28/12/2024

Last Amended on 19/01/2023

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	Cement (OPC/PPC)	Compressive Strength	IS 4031 (Part 6)
2	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Consistency	IS 4031 (Part 4)
3	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Density	IS 4031 (Part 11)
4	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Final Setting Time	IS 4031 (Part 5)
5	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Fineness Test (By Blain Air)	IS 4031 (Part 2)
6	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Initial Setting Time	IS 4031 (Part 5)
7	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Soundness (By Le Chatelier Method)	IS 4031 (Part 3)
8	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
9	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
10	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	10% Fine Value	IS 2386 (Part 4)
11	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Abrasion Value	IS 2386 (Part 4)
12	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Bulk Density	IS 2386 (Part 3)
13	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Crushing Value	IS 2386 (Part 4)
14	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Flakiness Index	IS 2386 (Part 1)
15	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Impact Value	IS 2386 (Part 4)
16	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Sieve Analysis (Gradation) (IS Sieve 4.75 mm to IS Sieve 80 mm)	IS 2386 (Part 1)
17	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Soundness	IS 2386 (Part 5)
18	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Water Absorption	IS 2386 (Part 3)

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19	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube	Compressive Strength	IS 516
20	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Bulk Density (Compacted)	IS 2386 (Part 3)
21	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Material Finer than 75 microns	IS 2386 (Part 1)
22	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Sieve Analysis (Gradation) (IS Sieve 0.075mm to IS Sieve 4.75 mm)	IS 2386 (Part 1)
23	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Soundness	IS 2386 (Part 5)
24	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Specific Gravity	IS 2386 (Part 3)
25	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Water Absorption	IS 2386 (Part 3)
26	MECHANICAL- SOIL AND ROCK	Natural Stone	Compressive Strength	IS 1121 (Part 1)
27	MECHANICAL- SOIL AND ROCK	Natural Stone	Scratch Hardness (Mho’s Scale)	IS 13630 (Part 13)
28	MECHANICAL- SOIL AND ROCK	Natural Stone	Water Absorption	IS 1124
29	MECHANICAL- SOIL AND ROCK	Natural Stones	Apparent Specific Gravity	IS 1124
30	MECHANICAL- SOIL AND ROCK	Natural Stones	Porosity	IS 1124
31	MECHANICAL- SOIL AND ROCK	Natural Stones	True Specific Gravity	IS 1122
32	MECHANICAL- SOIL AND ROCK	Rock	Cerchar Abrsivity Index	Cercher method/ ASTMD7625-10
33	MECHANICAL- SOIL AND ROCK	Rock	Density	IS 13030
34	MECHANICAL- SOIL AND ROCK	Rock	Modulus of Elasticity	IS 9221
35	MECHANICAL- SOIL AND ROCK	Rock	Point Load Index	IS 8764
36	MECHANICAL- SOIL AND ROCK	Rock	Poison's Ratio	IS 9221

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37	MECHANICAL- SOIL AND ROCK	Rock	Porosity	IS 13030
38	MECHANICAL- SOIL AND ROCK	Rock	Slake Durability Index	IS 10050
39	MECHANICAL- SOIL AND ROCK	Rock	Tensile Strength	IS 10082
40	MECHANICAL- SOIL AND ROCK	Rock	Triaxial Compression Test – Cohesion	IS 13047
41	MECHANICAL- SOIL AND ROCK	Rock	Triaxial Compression Test- (Angle of Internal Friction)	IS 13047
42	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compressive Strength	IS 9143
43	MECHANICAL- SOIL AND ROCK	Rock	Water Absorption	IS 13030
44	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Test (Pc)	IS 2720 (Part 15)
45	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (Angle of Friction)	IS 2720 (Part 13)
46	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
47	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (Hydrometer analysis: 2 micron to 75micron)	IS 2720 (Part 4) Cl 5.2
48	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (MDD)	IS 2720 (Part 8)
49	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (OMC)	IS 2720 (Part 8)
50	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (MDD)	IS 2720 (Part 7)
51	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (OMC)	IS 2720 (Part 7)
52	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3) SEC 1
53	MECHANICAL- SOIL AND ROCK	Soil	Unconsolidated Undrained Triaxial Test (Angle of Friction)	IS 2720 (Part 11)
54	MECHANICAL- SOIL AND ROCK	Soil	Unconsolidated Undrained Triaxial Test (Cohesion)	IS 2720 (Part 11)

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55	MECHANICAL- SOIL AND ROCK	Soil	CBR	IS 2720 (Part 16)
56	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Test (Cc)	IS 2720 (Part 15)
57	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (Cohesion)	IS 2720 (Part 13)
58	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (Wet & Dry Method: 4.75 mm to 75 micron)	IS 2720 (Part 4)
59	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5)
60	MECHANICAL- SOIL AND ROCK	Soil	Moisture Content	IS 2720 (Part 2)
61	MECHANICAL- SOIL AND ROCK	Soil	Permeability by Falling Head	IS 2720 (Part 17)
62	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
63	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720 (Part 6)
64	MECHANICAL- SOIL AND ROCK	Soil	Swelling Pressure by Consolidometer Method	IS 2720 (Part XLI)
65	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compressive Strength	IS 2720 (Part 10)