National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : VENUS TESTING & RESEARCH LABORATORY, VENUS HOUSE, PLOT NO 18, AYODHYA BY PASS ROAD, VILLAGE DAMKHEDA, BHOPAL, MADHYA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 09/05/2023 to 08/05/2025 **Last Amended on** 08/06/2023

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	CHEMICAL- METALS & ALLOYS	Reinforced Steel and Structural Steel	Carbon	IS 228 Part-1
2	CHEMICAL- METALS & ALLOYS	Reinforced Steel and Structural Steel	Chromium	IS 228 Part-6
3	CHEMICAL- METALS & ALLOYS	Reinforced Steel and Structural Steel	Manganese	IS 228 Part-2
4	CHEMICAL- METALS & ALLOYS	Reinforced Steel and Structural Steel	Nickel	IS 228 Part-5
5	CHEMICAL- METALS & ALLOYS	Reinforced Steel and Structural Steel	Phosphorous	IS 228 Part-3
6	CHEMICAL- METALS & ALLOYS	Reinforced Steel and Structural Steel	Silicon	IS 228 Part 8
7	CHEMICAL- METALS & ALLOYS	Reinforced Steel and Structural Steel	Sulphur	IS 228 Part 9
8	CHEMICAL- METALS & ALLOYS	Reinforced Steel and Structural Steel	Sulphur + Phosphorous	IS 1786
9	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	IS 228 (Part 1)
10	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	IS 228 Part 6
11	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	IS 228 (Part 2)
12	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	IS 228 Part 5
13	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorous	IS 228 (Part 3)
14	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	IS 228 (Part 8)
15	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	IS 228 (Part 9)
16	CHEMICAL- WATER	Drinking Water	Alkalinity	IS 3025 Part-23
17	CHEMICAL- WATER	Drinking Water	Calcium	IS 3025 Part-40
18	CHEMICAL- WATER	Drinking Water	Chloride	IS 3025 Part-32
19	CHEMICAL- WATER	Drinking Water	Colour	IS 3025 Part-4
20	CHEMICAL- WATER	Drinking Water	Fluoride	IS 3025 Part-60

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21	CHEMICAL- WATER	Drinking Water	Iron	IS 3025 Part-53
22	CHEMICAL- WATER	Drinking Water	Magnesium	IS 3025 Part-46
23	CHEMICAL- WATER	Drinking Water	Odour	IS 3025 Part-5
24	CHEMICAL- WATER	Drinking Water	pH	IS 3025 Part-11
25	CHEMICAL- WATER	Drinking Water	Residual Chlorine	IS 3025 Part-26
26	CHEMICAL- WATER	Drinking Water	Silica	IS 3025 Part-35
27	CHEMICAL- WATER	Drinking Water	Specific Conductance	IS 3025 Part-14
28	CHEMICAL- WATER	Drinking Water	Sulphate	IS 3025 Part-24
29	CHEMICAL- WATER	Drinking Water	Total dissolved solids	is 3025 Part-16
30	CHEMICAL- WATER	Drinking Water	Total Hardness	IS 3025 Part 21
31	CHEMICAL- WATER	Drinking Water	Turbidity	IS 3025 Part-10
32	CHEMICAL- WATER	Water for construction purpose	Acidity	IS 456
33	CHEMICAL- WATER	Water for construction purpose	Alkalinity	IS 456
34	CHEMICAL- WATER	Water for construction purpose	Chloride	IS 3025 Part 32
35	CHEMICAL- WATER	Water for construction purpose	Inorganic Solids	IS 3025 Part-18
36	CHEMICAL- WATER	Water for construction purpose	Organic Solids	IS 3025 Part-18
37	CHEMICAL- WATER	Water for construction purpose	pH	IS 3025 Part-11
38	CHEMICAL- WATER	Water for Construction Purpose	Sulphate	IS 3025 Part-24
39	CHEMICAL- WATER	Water for construction purpose	Suspended Solids	IS 3025 Part-17
40	MECHANICAL- BUILDINGS MATERIALS	Admixtures	Compressive Strength	IS 516
41	MECHANICAL- BUILDINGS MATERIALS	Aggregates	Organic impurities	IS 2386 Part-2
42	MECHANICAL- BUILDINGS MATERIALS	Aggregates	Total Deleterious materials	IS 2386 Part-2
43	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay/ Fly Ash Bricks	Compressive Strength	IS 3495 (Part 1)
44	MECHANICAL- BUILDINGS MATERIALS	Burnt clay/Fly ash Bricks	Efflorescence	IS 3495 (Part 3)
45	MECHANICAL- BUILDINGS MATERIALS	Burnt clay/Fly ash Bricks	Height	IS 1077
46	MECHANICAL- BUILDINGS MATERIALS	Burnt clay/Fly ash Bricks	Length	IS 1077

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47	MECHANICAL- BUILDINGS MATERIALS	Burnt clay/Fly ash Bricks	Water absorption	IS 3495 (Part 2)
48	MECHANICAL- BUILDINGS MATERIALS	Burnt clay/Fly ash Bricks	Width	IS 1077
49	MECHANICAL- BUILDINGS MATERIALS	Cement	Standard Consistency	IS 4031 (Part 4)
50	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive Strength	IS 4031 (Part 6)
51	MECHANICAL- BUILDINGS MATERIALS	Cement	Finess by Blain's Air Permeability	IS 4031 (Part 2)
52	MECHANICAL- BUILDINGS MATERIALS	Cement	Finial Setting Time	IS 4031 (Part 5)
53	MECHANICAL- BUILDINGS MATERIALS	Cement	Initial Setting Time	IS 4031 (Part 5)
54	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness by Le- Chatelier	IS 4031 (Part 3)
55	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Breaking Strength	IS 13630 (Part 6)
56	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Dimension	IS 13630 (Part 1)
57	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Modulus of rupture	IS 13630 (Part 6)
58	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Water Absorption	IS 13630 (Part 2)
59	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10 % Fines Value	IS 2386 (Part 4)
60	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 (Part 3)
61	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)
62	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
63	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1)
64	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact value	IS 2386 (Part 4)
65	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (@ 20 mm sieve)	IS 2386 (Part 1)

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66	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness by Sodium Sulphate(Na2So4)	IS 2386 Part-5
67	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
68	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
69	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Soundness by Magnesium Sulphate(MgSo4)	IS 2386 part-5
70	MECHANICAL- BUILDINGS MATERIALS	Concrete	Slump	IS 1199
71	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube	Compressive Strength	IS 516
72	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Moisture content	IS 2386 (Part 3)
73	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Organic Impurities	IS 2386 Part-2
74	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (@ 2.36 mm sieve)	IS 2386 (Part 1)
75	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Silt content	CPWD Vol 1
76	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness by Sodium Sulphate(NaSo4)	IS 2386 Part-5
77	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
78	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
79	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Deleterious materials	IS 2386 Part-2
80	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Soundness by Magnesium Sulphate(MgSo4)	IS 2386 Part-5
81	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Soundness by Sodium sulphate (Na2So4)	IS 2386 Part-5
82	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Compressive Strength	IS 15658
83	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Water Absorption	IS 15658
84	MECHANICAL- BUILDINGS MATERIALS	Soundness by Autoclave	Soundness by Autoclave	IS 4031 Part-3

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85	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel bars	% Elongation	IS 1608 (Part 1)
86	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel bars	Bend Test	IS 1599
87	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel bars	Re-bend Test	IS 1786
88	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel bars	Reduction in Area	IS 1608 (Part 1)
89	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement steel bars	Tensile Strength	IS 1608 (Part 1)
90	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel bars	Weight per meter	IS 1786
91	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Steel bars	Yield Strength	IS 1608 (Part 1)
92	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel	% Elongation	IS 1608
93	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel	Rockwell Hardness (B Scale)	IS 1586 (Part 1)
94	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel	Rockwell Hardness (C Scale)	IS 1586 (Part 1)
95	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel	Tensile Strength	IS 1608
96	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel	Yield Stress	IS 1608
97	MECHANICAL- SOIL AND ROCK	Heavy Compaction test	Maximum Dry Density	IS 2720 (P-8)
98	MECHANICAL- SOIL AND ROCK	Heavy Compaction Test	Optimum Moisture Content	IS 2720(P-8)

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99	MECHANICAL- SOIL AND ROCK	Light Compaction Test	Maximum Dry Density	IS 2720(P-7)
100	MECHANICAL- SOIL AND ROCK	Light Compaction Test	Optimum Moisture Content	IS 2720(P-7)
101	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compressive Strength	IS 9143
102	MECHANICAL- SOIL AND ROCK	Rock	Water Content	IS 13030
103	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS 2720(P-16)
104	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (P-40)
105	MECHANICAL- SOIL AND ROCK	SOIL	Grain Size Analysis	IS 2720 (P-8)
106	MECHANICAL- SOIL AND ROCK	Soil	Liquid limit	IS 2720 (P-5)
107	MECHANICAL- SOIL AND ROCK	Soil	Moisture Content	IS 2720(P-2)
108	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720(P-5)
109	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage limit	IS 2720(P-6)