National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	STELLAR LABS, 2H/ 78 BP, NH-2, NEW INDUSTRIAL TOWNSHIP 2, FARIDABAD, HARYANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-11566	**Page No**	1 of 7
Validity	21/04/2023 to 20/04/2025	**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 Facility				
1	CHEMICAL- CORROSION TESTS	Electroplated & Anodised coatings on Ferrous & non ferrous metal products	Salt Spray Test	ASTM B117
2	CHEMICAL- CORROSION TESTS	Electroplated & Anodised coatings on Ferrous & non ferrous metal products	Salt Spray Test	IS 9844
3	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon , medium carbon)	Silicon as Si	ASTM E 415
4	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon)	Carbon as C	ASTM E 415
5	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon)	Chromium as Cr	ASTM E 415
6	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon)	Manganese as Mn	ASTM E 415
7	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon)	Phosphorus as P	ASTM E 415
8	CHEMICAL- METALS & ALLOYS	Carbon Steel (low carbon, medium carbon)	Sulphur as S	ASTM E 415
9	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon as C	ASTM E 1086
10	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium as Cr	ASTM E 1086
11	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper as Cu	ASTM E 1086
12	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese as Mn	ASTM E 1086
13	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum as Mo	ASTM E 1086
14	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel as Ni	ASTM E 1086
15	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus as P	ASTM E1086
16	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon as Si	ASTM E 1086
17	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur as S	ASTM E 1086
18	CHEMICAL- METALS & ALLOYS	Tool Steel	Carbon as C	JIS G 1253

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11566 **Page No** 2 of 7

Validity 21/04/2023 to 20/04/2025 **Last Amended on** -

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19	CHEMICAL- METALS & ALLOYS	Tool Steel	Chromium as Cr	JIS G 1253
20	CHEMICAL- METALS & ALLOYS	Tool Steel	Cobalt as Co	JIS G 1253
21	CHEMICAL- METALS & ALLOYS	Tool Steel	Manganese as Mn	JIS G 1253
22	CHEMICAL- METALS & ALLOYS	Tool Steel	Molybdenum as Mo	JIS G 1253
23	CHEMICAL- METALS & ALLOYS	Tool Steel	Phosphorus as P	JIS G 1253
24	CHEMICAL- METALS & ALLOYS	Tool Steel	Silicon as Si	JIS G 1253
25	CHEMICAL- METALS & ALLOYS	Tool Steel	Sulphur as S	JIS G 1253
26	CHEMICAL- METALS & ALLOYS	Tool Steel	Tungsten as W	JIS G 1253
27	CHEMICAL- METALS & ALLOYS	Tool Steel	Vanadium as V	JIS G 1253
28	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	Compressive strength	IS 3495 (Part1)
29	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	Determination of Dimension (Height)	IS 1077
30	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	Determination of Dimension (Length)	IS 1077
31	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	Determination of Dimension (Width)	IS 1077
32	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	Efflorescence	IS 3495 (Part 3)
33	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	Water absorption	IS 3495 (Part 2)
34	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10% Fines Value	IS: 2386 (Part 4)
35	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Combined Flakiness & Elongation index	IS 2386 (Part 1)
36	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing value	IS 2386 (Part 4)
37	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11566 **Page No** 3 of 7

Validity 21/04/2023 to 20/04/2025 **Last Amended on** -

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38	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1)
39	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Material finer than 75micron	IS 2386 (Part 1)
40	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve analysis (40mm, 20mm, 16 mm, 12.5mm, 10mm , 6.3mm, 4.75mm)	IS 2386 (Part 1)
41	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water absorption	IS 2386 (Part 3)
42	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Aggregate Impact value	IS 2386 (Part 4)
43	MECHANICAL- BUILDINGS MATERIALS	Concrete cube	Compressive Strength	IS 516 (Part 1, Section 1)
44	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Material finer than 75micron	IS 2386 (Part 1)
45	MECHANICAL- BUILDINGS MATERIALS	FIne Aggregate	Sieve analysis (2.36mm, 1.18mm, 600µm, 300µm, 150µm)	IS 2386 (Part 1)
46	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
47	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
48	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Compressive Strength	IS 15658 (Annex D)
49	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Determination of Dimension (Height)	IS 15658 (Annex B)
50	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Determination of Dimension (Length)	IS 15658 (Annex B)
51	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Determination of Dimension (Width)	IS 15658 (Annex B)
52	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Water Absorption	IS 15658 (Annex C)
53	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous - Non Ferrous Alloy & Products	Rockwell Hardness (HRBW)	IS 1586 (Part 1)
54	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous material Alloy & Products	Bend Test	IS 1599

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-11566	**Page No**	4 of 7
Validity	21/04/2023 to 20/04/2025	**Last Amended on**	-

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55	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous material Alloy & Products	Brinell Hardness (10/3000)	IS 1500 (Part 1)
56	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous material Alloy & Products	Charpy Impact "U" Notch	IS 1499
57	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous material Alloy & Products	Charpy Impact "V" Notch (at -70 degrees Celsius to Room Temperature)	IS 1757 (Part 1)
58	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous material Alloy & Products	Izod Impact "V" Notch	IS 1598
59	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, a loys & products	Flaring test (Drift expending test)	IS 2335
60	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Proof Stress (0.1%, 0.2%, 0.5%)	IS 1608 (Part 1)
61	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous- Non Ferrous alloys and Products	% Elongation	IS 1608 (Part 1)
62	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous- Non Ferrous alloys and Products	% Reduction Area	IS 1608 (Part 1)
63	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous- Non Ferrous alloys and Products	Rockwell Hardness (C Scale)	IS 1586 (Part 1)
64	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous- Non Ferrous alloys and Products	Ultimate Tensile Strength (UTS)	IS 1608 (Part 1)
65	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous- Non Ferrous alloys and Products	Vickers Hardness (HV5)	IS 1501 (Part 1)
66	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous- Non Ferrous alloys and Products	Yield Strength (YS)	IS 1608 (Part 1)
67	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Pipes/Tubes	Drift Expanding Test	IS 2335
68	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Pipes/Tubes	Flattening Test	IS 2328

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Laboratory Name : STELLAR LABS, 2H/ 78 BP, NH-2, NEW INDUSTRIAL TOWNSHIP 2, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11566 **Page No** 5 of 7

Validity 21/04/2023 to 20/04/2025 **Last Amended on** -

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69	MECHANICAL-MECHANICAL PROPERTIES OF METALS	TMT Steel	Elongation	IS 1608 (Part 1)
70	MECHANICAL-MECHANICAL PROPERTIES OF METALS	TMT Steel	Weight per meter	IS 1786
71	MECHANICAL-MECHANICAL PROPERTIES OF METALS	TMT Steel	Bend Test	IS 1599
72	MECHANICAL-MECHANICAL PROPERTIES OF METALS	TMT Steel	Rebend Test	IS 1786
73	MECHANICAL-MECHANICAL PROPERTIES OF METALS	TMT Steel	TS/YS Ratio	IS 1608 (Part 1)
74	MECHANICAL-MECHANICAL PROPERTIES OF METALS	TMT Steel	Ultimate Tensile Strength (UTS)	IS 1608 (Part 1)
75	MECHANICAL-MECHANICAL PROPERTIES OF METALS	TMT Steel	Yield Strength (Y.S)	IS 1608 (Part 1)
76	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Products & Specimens	Root bend/ Face Bend / Side Bend Test	ASME Section-IX
77	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Products & Specimens	Ultimate Tensile Strength (UTS)	ASME Section-IX
78	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Products & Specimens	Weld Penetration test	IS 822 (Clause 7)
79	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Steel	Nick Break Test	IS 3600 (Part 8)
80	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded test specimens	Fracture test	IS 7310 (Part 1)
81	MECHANICAL-METALLOGRAPHY TEST	Cast Iron/ SG Iron	Microstructure Analysis Graphite flake type, size & distribution by Comparison method	IS 7754
82	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material	Inter Granular Corrosion (IGC) Test as per Practice E	ASTM A 262

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-11566	**Page No**	6 of 7
Validity	21/04/2023 to 20/04/2025	**Last Amended on**	-

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83	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials	Microstructure Analysis	ASM Volume 9
84	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, Alloys & Products	Determination of case depth by microscopic method	IS 6416
85	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Determination of depth of decarb by microscopic method	IS 6396
86	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Determination of Inclusion Rating (Inclusion type A, B, C, D and DS with rating 0.5 to 3.0) comparison with microscopic method	IS 4163
87	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Estimation of Grain Size By Microscopic Method by Comparison method	ASTM E 112
88	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Estimation of Grain Size by Microscopic Method by Comparison method	IS 4748
89	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Macro Structural Analysis	IS 11371

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-11566	**Page No**	7 of 7
Validity	21/04/2023 to 20/04/2025	**Last Amended on**	-

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Site Facility				
1	MECHANICAL- BUILDINGS MATERIALS	Granular Sub Base	Field Dry Density by Sand replacement method	IS 2720 (Part 28)