National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : FLOWMORE LAB, 28A & A1, SITE-IV, INDUSTRIAL AREA, GHAZIABAD, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8694 **Page No** 1 of 6

Validity 24/10/2022 to 23/10/2024 **Last Amended on** 10/04/2023

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- METALLIC COATINGS & TREATMENT SOLUTIONS	HOT - DIP ZINC COATINGS ON STRUCTURAL STEEL AND OTHER ALLIED PRODUCTS - SPECIFICATION	Adhesion Test- Pivoted Hammer test for Zinc-coated fabricated products (clause 6.4.1) Adhesion test- Knife test for zinc coated hardware and assembled steel products (Clause 6.4.2)	IS 2629
2	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	HOT - DIP ZINC COATINGS ON STRUCTURAL STEEL AND OTHER ALLIED PRODUCTS - SPECIFICATION	MASS OF ZINC COATING	IS 6745
3	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	HOT - DIP ZINC COATINGS ON STRUCTURAL STEEL AND OTHER ALLIED PRODUCTS - SPECIFICATION	Uniformity of coating	IS 2633
4	CHEMICAL- METALS & ALLOYS	Casting & Ingots (Copper & its alloys)	Aluminium	BS EN 15079
5	CHEMICAL- METALS & ALLOYS	Casting & Ingots (Copper & its alloys)	Iron	BS EN 15079
6	CHEMICAL- METALS & ALLOYS	Casting & Ingots (Copper & its alloys)	Nickel	BSEN 15079
7	CHEMICAL- METALS & ALLOYS	Casting & Ingots (Copper & its alloys)	Phosphorus	BSEN 15079
8	CHEMICAL- METALS & ALLOYS	Casting & Ingots (Copper & its alloys)	Silicon	BSEN 15079
9	CHEMICAL- METALS & ALLOYS	Casting & Ingots (Copper & its alloys)	Tin	BSEN 15079
10	CHEMICAL- METALS & ALLOYS	Casting & Ingots (Copper & its alloys)	Zinc	BSEN 15079
11	CHEMICAL- METALS & ALLOYS	Casting and Ingots (Copper & its alloys)	Chromium	BS EN 15079
12	CHEMICAL- METALS & ALLOYS	Casting and Ingots (Copper & its alloys)	Copper	BS EN 15079
13	CHEMICAL- METALS & ALLOYS	Castings and Ingots (Copper & its alloys)	Lead	BS EN 15079
14	CHEMICAL- METALS & ALLOYS	Castings and Ingots (Copper & its alloys)	Manganese	BS EN 15079
15	CHEMICAL- METALS & ALLOYS	CI Casting	Carbon	ASTM E 1999
16	CHEMICAL- METALS & ALLOYS	CI Casting	Chromium	ASTM E 1999

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17	CHEMICAL- METALS & ALLOYS	CI Casting	Copper	ASTM E 1999
18	CHEMICAL- METALS & ALLOYS	CI Casting	Manganese	ASTM E 1999
19	CHEMICAL- METALS & ALLOYS	CI casting	Molybdenum	ASTM E 1999
20	CHEMICAL- METALS & ALLOYS	CI Casting	Nickel	ASTM E 1999
21	CHEMICAL- METALS & ALLOYS	CI Casting	Phosphorus	ASTM E 1999
22	CHEMICAL- METALS & ALLOYS	CI casting	Silicon	ASTM E 1999
23	CHEMICAL- METALS & ALLOYS	CI Casting	Sulphur	ASTM E 1999
24	CHEMICAL- METALS & ALLOYS	CS Round Bar (Carbon Steel (low carbon, medium carbon & high carbon steel))	Alumininum	ASTM E415
25	CHEMICAL- METALS & ALLOYS	CS Round Bar (Carbon Steel (low carbon, medium carbon & high carbon steel))	Alumininum	IS 8811
26	CHEMICAL- METALS & ALLOYS	CS Round Bar (Carbon Steel (low carbon, medium carbon & high carbon steel))	Carbon	ASTM E415
27	CHEMICAL- METALS & ALLOYS	CS Round Bar (Carbon Steel (low carbon, medium carbon & high carbon steel))	Carbon	IS 8811
28	CHEMICAL- METALS & ALLOYS	CS Round Bar (Carbon Steel (low carbon, medium carbon & high carbon steel))	Chromium	ASTM E415
29	CHEMICAL- METALS & ALLOYS	CS Round Bar (Carbon Steel (low carbon, medium carbon & high carbon steel))	Chromium	IS 8811
30	CHEMICAL- METALS & ALLOYS	CS Round Bar (Carbon Steel (low carbon, medium carbon & high carbon steel))	Copper	ASTM E415
31	CHEMICAL- METALS & ALLOYS	CS Round Bar (Carbon Steel (low carbon, medium carbon & high carbon steel))	Copper	IS 8811
32	CHEMICAL- METALS & ALLOYS	CS Round Bar (Carbon Steel (low carbon, medium carbon & high carbon steel))	Managnese	IS 8811
33	CHEMICAL- METALS & ALLOYS	CS Round Bar (Carbon Steel (low carbon, medium carbon & high carbon steel))	Manganese	ASTM E-415
34	CHEMICAL- METALS & ALLOYS	CS Round Bar (Carbon Steel (low carbon, medium carbon & high carbon steel))	Molybdenum	ASTM E415
35	CHEMICAL- METALS & ALLOYS	CS Round Bar (Carbon Steel (low carbon, medium carbon & high carbon steel))	Molybdenum	IS 8811

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36	CHEMICAL- METALS & ALLOYS	CS Round Bar (Carbon Steel (low carbon, medium carbon & high carbon steel))	Nickel	ASTM E415
37	CHEMICAL- METALS & ALLOYS	CS Round Bar (Carbon Steel (low carbon, medium carbon & high carbon steel))	Nickel	IS 8811
38	CHEMICAL- METALS & ALLOYS	CS Round Bar (Carbon Steel (low carbon, medium carbon & high carbon steel))	Phosphorus	ASTM E415
39	CHEMICAL- METALS & ALLOYS	CS Round Bar (Carbon Steel (low carbon, medium carbon & high carbon steel))	Phosphorus	IS 8811
40	CHEMICAL- METALS & ALLOYS	CS Round bar (Carbon Steel (low carbon, medium carbon & high carbon steel))	Silicon	ASTM E-415
41	CHEMICAL- METALS & ALLOYS	CS Round Bar (Carbon Steel (low carbon, medium carbon & high carbon steel))	Silicon	IS 8811
42	CHEMICAL- METALS & ALLOYS	CS Round Bar (Carbon Steel (low carbon, medium carbon & high carbon steel))	Sulphur	ASTM E415
43	CHEMICAL- METALS & ALLOYS	CS Round Bar (Carbon Steel (low carbon, medium carbon & high carbon steel))	Sulphur	IS 8811
44	CHEMICAL- METALS & ALLOYS	CS Round Bar (Carbon Steel (low carbon, medium carbon & high carbon steel))	Vanadium	ASTM E 415
45	CHEMICAL- METALS & ALLOYS	CS Round Bar (Carbon Steel (low carbon, medium carbon & high carbon steel))	Vanadium	IS 8811
46	CHEMICAL- METALS & ALLOYS	SS Round Bar / Casting (Stainless steel)	Carbon	IS 9879
47	CHEMICAL- METALS & ALLOYS	SS Round Bar / Casting (Stainless steel)	Copper	ASTM E 1086
48	CHEMICAL- METALS & ALLOYS	SS Round Bar / Casting (Stainless steel)	Carbon	ASTM E 1086
49	CHEMICAL- METALS & ALLOYS	SS Round Bar / Casting (Stainless steel)	Chromium	ASTM E 1086
50	CHEMICAL- METALS & ALLOYS	SS Round Bar / Casting (Stainless steel)	Chromium	IS 9879
51	CHEMICAL- METALS & ALLOYS	SS Round Bar / Casting (Stainless steel)	Copper	IS 9879
52	CHEMICAL- METALS & ALLOYS	SS Round Bar / Casting (Stainless steel)	Manganese	ASTM E 1086
53	CHEMICAL- METALS & ALLOYS	SS Round Bar / Casting (Stainless steel)	Manganese	IS 9879
54	CHEMICAL- METALS & ALLOYS	SS Round Bar / Casting (Stainless steel)	Molybdenum	ASTM E 1086

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55	CHEMICAL- METALS & ALLOYS	SS Round Bar / Casting (Stainless steel)	Molybdenum	IS 9879
56	CHEMICAL- METALS & ALLOYS	SS Round Bar / Casting (Stainless steel)	Nickel	ASTM E 1086
57	CHEMICAL- METALS & ALLOYS	SS Round Bar / Casting (Stainless steel)	Nickel	IS 9879
58	CHEMICAL- METALS & ALLOYS	SS Round Bar / Casting (Stainless steel)	Phosphorus	ASTM E1086
59	CHEMICAL- METALS & ALLOYS	SS Round Bar / Casting (Stainless steel)	Phosphorus	IS 9879
60	CHEMICAL- METALS & ALLOYS	SS Round Bar / Casting (Stainless steel)	Silicon	ASTM E1086
61	CHEMICAL- METALS & ALLOYS	SS Round Bar / Casting (Stainless steel)	Silicon	IS 9879
62	CHEMICAL- METALS & ALLOYS	SS Round Bar / Casting (Stainless steel)	Sulphur	ASTM E1086
63	CHEMICAL- METALS & ALLOYS	SS Round Bar / Casting (Stainless steel)	Sulphur	IS 9879
64	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Casting & Forging (Ferrous materials, alloys & products)	Rockwell Hardness	IS 1586 Part - 1
65	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Casting & forging (Ferrous materials, alloys & products)	Rockwell Hardness	IS 1586 Part -1
66	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Casting & Round Bar (Ferrous materials, alloys & products)	% Elongation at Break	ASTM A370
67	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Casting & Round Bar (Ferrous materials, alloys & products)	% Elongation at Break	IS 1608 Part 1
68	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Casting & Round Bar (Ferrous materials, alloys & products)	Reduction in Area	ASTM A370
69	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Casting & Round Bar (Ferrous materials, alloys & products)	Reduction in Area	IS 1608 Part 1
70	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Casting & Round Bar (Ferrous materials, alloys & products)	Tensile Strength	ASTM A370

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71	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Casting & Round Bar (Ferrous materials, alloys & products)	Tensile Strength	IS 1608 Part - 1
72	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Casting & Round Bar (Ferrous materials, alloys & products)	Yield Strength	ASTM A370
73	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Casting & Round Bar (Ferrous materials, alloys & products)	Yield Strength	IS 1608 Part 1
74	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HIGH STRENGTH DEFORMED STEEL BARS AND WIRES	0.2% proof stress	IS 1608 PART 1
75	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HIGH STRENGTH DEFORMED STEEL BARS AND WIRES	0.2% proof stress	ISO 6892-1
76	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HIGH STRENGTH DEFORMED STEEL BARS AND WIRES	Mass per meter	IS 1786
77	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HIGH STRENGTH DEFORMED STEEL BARS AND WIRES, HOT ROLLED MEDIUM AND HIGH TENSILE STRUCTURAL STEEL	%Elongation	IS 1608 PART 1
78	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HIGH STRENGTH DEFORMED STEEL BARS AND WIRES, HOT ROLLED MEDIUM AND HIGH TENSILE STRUCTURAL STEEL	%Elongation	ISO 6892-1
79	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HIGH STRENGTH DEFORMED STEEL BARS AND WIRES, HOT ROLLED MEDIUM AND HIGH TENSILE STRUCTURAL STEEL	Tensile Strength	IS 1608 PART 1
80	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HIGH STRENGTH DEFORMED STEEL BARS AND WIRES, HOT ROLLED MEDIUM AND HIGH TENSILE STRUCTURAL STEEL	Tensile Strength	ISO 6892-1
81	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HIGH STRENGTH DEFORMED STEEL BARS AND WIRES, HOT ROLLED MEDIUM AND HIGH TENSILE STRUCTURAL STEEL	Yield Stress	IS 1608 PART 1
82	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HIGH STRENGTH DEFORMED STEEL BARS AND WIRES, HOT ROLLED MEDIUM AND HIGH TENSILE STRUCTURAL STEEL	Yield Stress	ISO 6892-1
83	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HIGH-STRENGTH DEFORMED STEEL BARS AND WIRES, HOT ROLLED MEDIUM AND HIGH TENSILE STRUCTURAL STEEL	Bend Test	IS 1599

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Site Facility				
1	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Metals	Liquid Penetrant Testing. Visible	ASME Sec-V (Article 6 &24) , ASTM E 165
2	NON-DESTRUCTIVE-METALS & ALLOYS	MS Plates	Ultrasonic Testing	ASME SA 435
3	NON-DESTRUCTIVE-METALS & ALLOYS	MS plates	Ultrasonic Testing	ASME SA 578
4	NON-DESTRUCTIVE-METALS & ALLOYS	Round Bar	Ultrasonic Testing	ASME SA 388
5	NON-DESTRUCTIVE-METALS & ALLOYS	Welds	Ultrasonic Testing	ASME Sec-V (Article - 4)