National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : INDIANA TEST CALIBRATION AND CERTIFICATION SERVICES, D-151, PHASE - 7, INDUSTRIAL AREA, S.A.S NAGAR, MOHALI, PUNJAB, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5982 **Page No** 1 of 41

Validity 09/07/2022 to 08/07/2024 **Last Amended on** 02/12/2022

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	Metal and their Alloys, Metallic Coating (Anodic & Cathodic), Conversion Coatings, Anodic Oxide Coating and Organic Coatings on Metallic Material and Fasteners	Salt Spray Testing	ASTM B117
2	CHEMICAL- CORROSION TESTS	Metal and their Alloys, Metallic Coating (Anodic & Cathodic), Conversion Coatings, Anodic Oxide Coating and Organic Coatings on Metallic Material and Fasteners	Salt Spray Testing	BS EN ISO 9227
3	CHEMICAL- CORROSION TESTS	Metal and their Alloys, Metallic Coating (Anodic & Cathodic), Conversion Coatings, Anodic Oxide Coating and Organic Coatings on Metallic Material and Fasteners	Salt Spray Testing	IS 9844
4	CHEMICAL- CORROSION TESTS	phosphate coatings on threaded fasteners	Salt Spray Testing	IS 1367-Part-12 appendix B
5	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Chromium (Cr)	ASTM E1251
6	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Copper (Cu)	ASTM E1251
7	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Iron (Fe)	ASTM E1251
8	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Lead (Pb)	ASTM E1251
9	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Magnesium (Mg)	ASTM E1251
10	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Manganese (Mn)	ASTM E1251
11	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Nickel (Ni)	ASTM E1251
12	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Silicon (Si)	ASTM E1251
13	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Tin (Sn)	ASTM E1251
14	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Titanium (Ti)	ASTM E1251
15	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Zinc (Zn)	ASTM E1251
16	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloys Steel	Aluminium (Al)	ASTM E415
17	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloys Steel	Aluminium (Al)	JIS G 1253

SCOPE OF ACCREDITATION

Laboratory Name :	INDIANA TEST CALIBRATION AND CERTIFICATION SERVICES, D-151, PHASE - 7, INDUSTRIAL AREA, S.A.S NAGAR, MOHALI, PUNJAB, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5982	**Page No**	2 of 41
Validity	09/07/2022 to 08/07/2024	**Last Amended on**	02/12/2022

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
18	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloys Steel	Aluminium(Al)	IS 8811
19	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloys Steel	Boron (B)	ASTM E415
20	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloys Steel	Boron (B)	JIS G 1253
21	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloys Steel	Boron(B)	IS 8811
22	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloys Steel	Carbon (C)	ASTM E415
23	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloys Steel	Carbon (C)	JIS G 1253
24	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloys Steel	Carbon(C)	IS 8811
25	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloys Steel	Chromium (Cr)	ASTM E415
26	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloys Steel	Chromium(Cr)	IS 8811
27	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloys Steel	Chromium(Cr)	JIS G 1253
28	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloys Steel	Cobalt (Co)	ASTM E415
29	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloys Steel	Cobalt (Co)	JIS G 1253
30	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloys Steel	Cobalt(Co)	IS 8811
31	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloys Steel	Copper (Cu)	ASTM E415
32	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloys Steel	Copper (Cu)	JIS G 1253
33	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloys Steel	Copper(Cu)	IS 8811
34	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloys Steel	Manganese (Mn)	ASTM E415
35	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloys Steel	Manganese (Mn)	JIS G 1253
36	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloys Steel	Manganese(Mn)	IS 8811

SCOPE OF ACCREDITATION

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5982	**Page No**	3 of 41
Validity	09/07/2022 to 08/07/2024	**Last Amended on**	02/12/2022

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
37	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloys Steel	Molybdenum (Mo)	ASTM E415
38	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloys Steel	Molybdenum (Mo)	JIS G 1253
39	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloys Steel	Molybdenum(Mo)	IS 8811
40	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloys Steel	Nickel (Ni)	ASTM E415
41	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloys Steel	Nickel (Ni)	JIS G 1253
42	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloys Steel	Nickel(Ni)	IS 8811
43	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloys Steel	Niobium (Nb)	ASTM E415
44	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloys Steel	Niobium (Nb)	JIS G 1253
45	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloys Steel	Niobium(Nb)	IS 8811
46	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloys Steel	Nitrogen (N)	ASTM E415
47	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloys Steel	Nitrogen (N)	JIS G 1253
48	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloys Steel	Nitrogen(N)	IS 8811
49	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloys Steel	Phosphorus (P)	ASTM E415
50	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloys Steel	Phosphorus (P)	JIS G 1253
51	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloys Steel	Phosphorus(P)	IS 8811
52	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloys Steel	Silicon (Si)	ASTM E415
53	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloys Steel	Silicon (Si)	JIS G 1253
54	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloys Steel	Silicon(Si)	IS 8811
55	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloys Steel	Sulphur	IS 8811

SCOPE OF ACCREDITATION

Laboratory Name :	INDIANA TEST CALIBRATION AND CERTIFICATION SERVICES, D-151, PHASE - 7, INDUSTRIAL AREA, S.A.S NAGAR, MOHALI, PUNJAB, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5982	**Page No**	4 of 41
Validity	09/07/2022 to 08/07/2024	**Last Amended on**	02/12/2022

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
56	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloys Steel	Sulphur (S)	ASTM E415
57	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloys Steel	Sulphur (S)	JIS G 1253
58	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloys Steel	Tin (Sn)	ASTM E415
59	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloys Steel	Tin(Sn)	IS 8811
60	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloys Steel	Tin(Sn)	JIS G 1253
61	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloys Steel	Titanium (Ti)	JIS G 1253
62	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloys Steel	Titanium(Ti)	ASTM E415
63	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloys Steel	Titanium(Ti)	IS 8811
64	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloys Steel	Tungsten (W)	JIS G 1253
65	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloys Steel	Vanadium (V)	ASTM E415
66	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloys Steel	Vanadium (V)	JIS G 1253
67	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloys Steel	Vanadium(V)	IS 8811
68	CHEMICAL- METALS & ALLOYS	Cast Iron	Aluminium (Al)	JIS G 1253
69	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon (C)	JIS G 1253
70	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon(C)	ASTM E 1999
71	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium (Cr)	JIS G 1253
72	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium(Cr)	ASTM E 1999
73	CHEMICAL- METALS & ALLOYS	Cast Iron	Cobalt (Co)	JIS G 1253
74	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper (Cu)	JIS G 1253

SCOPE OF ACCREDITATION

Laboratory Name :	INDIANA TEST CALIBRATION AND CERTIFICATION SERVICES, D-151, PHASE - 7, INDUSTRIAL AREA, S.A.S NAGAR, MOHALI, PUNJAB, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5982	**Page No**	5 of 41
Validity	09/07/2022 to 08/07/2024	**Last Amended on**	02/12/2022

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
75	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper(Cu)	ASTM E 1999
76	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese (Mn)	JIS G 1253
77	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese(Mn)	ASTM E 1999
78	CHEMICAL- METALS & ALLOYS	Cast Iron	Molybdenum	ASTM E 1999
79	CHEMICAL- METALS & ALLOYS	Cast Iron	Molybdenum (Mo)	JIS G 1253
80	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel (Ni)	JIS G 1253
81	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel(Ni)	ASTM E 1999
82	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorus (P)	JIS G 1253
83	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorus(P)	ASTM E 1999
84	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon (Si)	JIS G 1253
85	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon(Si)	ASTM E 1999
86	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulphur (S)	JIS G 1253
87	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulphur(S)	ASTM E 1999
88	CHEMICAL- METALS & ALLOYS	Cast Iron	Tin (Sn)	ASTM E 1999
89	CHEMICAL- METALS & ALLOYS	Cast Iron	Tin (Sn)	JIS G 1253
90	CHEMICAL- METALS & ALLOYS	Cast Iron	Titanium (Ti)	ASTM E 1999
91	CHEMICAL- METALS & ALLOYS	Cast Iron	Titanium (Ti)	JIS G 1253
92	CHEMICAL- METALS & ALLOYS	Cast Iron	Vanadium (V)	ASTM E 1999
93	CHEMICAL- METALS & ALLOYS	Cast Iron	Vanadium (V)	JIS G 1253

SCOPE OF ACCREDITATION

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5982 **Page No** 6 of 41

Validity 09/07/2022 to 08/07/2024 **Last Amended on** 02/12/2022

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
94	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Aluminium (Al)	BS EN 15079
95	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Arsenic (As)	BS EN 15079
96	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Bismuth (Bi)	BS EN 15079
97	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Iron (Fe)	BS EN 15079
98	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Lead (Pb)	BS EN 15079
99	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Manganese (Mn)	BS EN 15079
100	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Nickel (Ni)	BS EN 15079
101	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Phosphorus (P)	BS EN 15079
102	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Silicon (Si)	BS EN 15079
103	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Silver (Ag)	BS EN 15079
104	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Tin (Sn)	BS EN 15079
105	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Zinc (Zn)	BS EN 15079
106	CHEMICAL- METALS & ALLOYS	Stainless Steel	Aluminium (Al)	JIS G 1253
107	CHEMICAL- METALS & ALLOYS	Stainless Steel	Boron (B)	JIS G 1253
108	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon (C)	ASTM E -1086
109	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon (C)	JIS G 1253
110	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon(C)	IS 9879
111	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium (Cr)	ASTM E -1086
112	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium (Cr)	JIS G 1253

SCOPE OF ACCREDITATION

Laboratory Name :	INDIANA TEST CALIBRATION AND CERTIFICATION SERVICES, D-151, PHASE - 7, INDUSTRIAL AREA, S.A.S NAGAR, MOHALI, PUNJAB, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5982	**Page No**	7 of 41
Validity	09/07/2022 to 08/07/2024	**Last Amended on**	02/12/2022

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113	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium(Cr)	IS 9879
114	CHEMICAL- METALS & ALLOYS	Stainless Steel	Cobalt (Co)	JIS G 1253
115	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper (Cu)	ASTM E -1086
116	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper (Cu)	JIS G 1253
117	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper(Cu)	IS 9879
118	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese (Mn)	ASTM E1086
119	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese(Mn)	IS 9879
120	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese(Mn)	JIS G 1253
121	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum (Mo)	ASTM E -1086
122	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum(Mo)	IS 9879
123	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum(Mo)	JIS G 1253
124	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel (Ni)	ASTM E -1086
125	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel (Ni)	JIS G 1253
126	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel(Ni)	IS 9879
127	CHEMICAL- METALS & ALLOYS	Stainless Steel	Niobium (Nb)	JIS G 1253
128	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nitrogen (N)	JIS G 1253
129	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus (P)	ASTM E1086
130	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus (P)	JIS G 1253
131	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus(P)	IS 9879

SCOPE OF ACCREDITATION

Laboratory Name :	INDIANA TEST CALIBRATION AND CERTIFICATION SERVICES, D-151, PHASE - 7, INDUSTRIAL AREA, S.A.S NAGAR, MOHALI, PUNJAB, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5982	**Page No**	8 of 41
Validity	09/07/2022 to 08/07/2024	**Last Amended on**	02/12/2022

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
132	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon (Si)	ASTM E -1086
133	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon (Si)	JIS G 1253
134	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon(Si)	IS 9879
135	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur (S)	ASTM E1086
136	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur (S)	JIS G 1253
137	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur(S)	IS 9879
138	CHEMICAL- METALS & ALLOYS	Stainless Steel	Tin (Sn)	JIS G 1253
139	CHEMICAL- METALS & ALLOYS	Stainless Steel	Titanium (Ti)	JIS G 1253
140	CHEMICAL- METALS & ALLOYS	Stainless Steel	Vanadium(V)	JIS G 1253
141	CHEMICAL- METALS & ALLOYS	Tool Steel	Aluminium(Al)	JIS G 1253
142	CHEMICAL- METALS & ALLOYS	Tool Steel	Boron(B)	JIS G 1253
143	CHEMICAL- METALS & ALLOYS	Tool Steel	Carbon(C)	JIS G 1253
144	CHEMICAL- METALS & ALLOYS	Tool Steel	Chromium(Cr)	JIS G 1253
145	CHEMICAL- METALS & ALLOYS	Tool Steel	Cobalt(Co)	JIS G 1253
146	CHEMICAL- METALS & ALLOYS	Tool Steel	Copper(Cu)	JIS G 1253
147	CHEMICAL- METALS & ALLOYS	Tool Steel	Manganese(Mn)	JIS G 1253
148	CHEMICAL- METALS & ALLOYS	Tool Steel	Molybdenum(Mo)	JIS G 1253
149	CHEMICAL- METALS & ALLOYS	Tool Steel	Nickel(Ni)	JIS G 1253
150	CHEMICAL- METALS & ALLOYS	Tool Steel	Niobium(Nb)	JIS G 1253

SCOPE OF ACCREDITATION

Laboratory Name :	INDIANA TEST CALIBRATION AND CERTIFICATION SERVICES, D-151, PHASE - 7, INDUSTRIAL AREA, S.A.S NAGAR, MOHALI, PUNJAB, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5982	**Page No**	9 of 41
Validity	09/07/2022 to 08/07/2024	**Last Amended on**	02/12/2022

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151	CHEMICAL- METALS & ALLOYS	Tool Steel	Nitrogen (N)	JIS G 1253
152	CHEMICAL- METALS & ALLOYS	Tool Steel	Phosphorus(P)	JIS G 1253
153	CHEMICAL- METALS & ALLOYS	Tool Steel	Silicon(Si)	JIS G 1253
154	CHEMICAL- METALS & ALLOYS	Tool Steel	Sulphur(s)	JIS G 1253
155	CHEMICAL- METALS & ALLOYS	Tool Steel	Tin(Sn)	JIS G 1253
156	CHEMICAL- METALS & ALLOYS	Tool Steel	Titanium(Ti)	JIS G 1253
157	CHEMICAL- METALS & ALLOYS	Tool Steel	Tungsten(W)	JIS G 1253
158	CHEMICAL- METALS & ALLOYS	Tool Steel	Vanadium(V)	JIS G 1253
159	CHEMICAL- METALS & ALLOYS	Zinc & Zinc Alloys	Aluminium (Al)	ISO 3815-1
160	CHEMICAL- METALS & ALLOYS	Zinc & Zinc Alloys	Cadmium (Cd)	ISO 3815-1
161	CHEMICAL- METALS & ALLOYS	Zinc & Zinc Alloys	Copper (Cu)	ISO 3815-1
162	CHEMICAL- METALS & ALLOYS	Zinc & Zinc Alloys	Iron (Fe)	ISO 3815-1
163	CHEMICAL- METALS & ALLOYS	Zinc & Zinc Alloys	Lead (Pb)	ISO 3815-1
164	CHEMICAL- METALS & ALLOYS	Zinc & Zinc Alloys	Magnesium (Mg)	ISO 3815-1
165	CHEMICAL- METALS & ALLOYS	Zinc & Zinc Alloys	Tin (Sn)	ISO 3815-1
166	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Wires	Reverse Bend Test (Up To 12 mm)	IS 1716
167	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium Cans	Height	IS 1825
168	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium Cans	Inner Diameter	IS 1825

SCOPE OF ACCREDITATION

Laboratory Name : INDIANA TEST CALIBRATION AND CERTIFICATION SERVICES, D-151, PHASE - 7, INDUSTRIAL AREA, S.A.S NAGAR, MOHALI, PUNJAB, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5982 **Page No** 10 of 41

Validity 09/07/2022 to 08/07/2024 **Last Amended on** 02/12/2022

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
169	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Cans	Internal Neck Diameter	IS 1825
170	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Cans	Mass	IS 1825
171	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Cans	Outer Diameter	IS 1825
172	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Cans	Thickness	IS 1825
173	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Cans	Volume	IS 1825
174	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beam, Column, Channel, and angle Sections	Width (1 mm to 600 mm) > 600 mm to 5000 mm)	IS 808
175	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beam, Column, Channel, and angle Sections	Length 10 mm to 600 mm > 600 mm to 15000 mm	IS 808
176	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beam, Column, Channel, and angle Sections	Mass 0 to 100 g >100 g to 1000 g > 1 kg to 5 kg > 5 kg to 50 kg	IS 808
177	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beam, Column, Channel, and angle Sections	Angle	IS 808
178	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beam, Column, Channel, and angle Sections	Depth	IS 808
179	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beam, Column, Channel, and angle Sections	Radius	IS 808
180	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beam, Column, Channel, and angle Sections	Thickness	IS 808
181	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	Yield Stress (20 N to 500 kN)	ASTM E8 / E8M
182	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	Yield Stress (20 N to 500 kN)	IS 1608-1

SCOPE OF ACCREDITATION

Laboratory Name : INDIANA TEST CALIBRATION AND CERTIFICATION SERVICES, D-151, PHASE - 7, INDUSTRIAL AREA, S.A.S NAGAR, MOHALI, PUNJAB, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5982 **Page No** 11 of 41

Validity 09/07/2022 to 08/07/2024 **Last Amended on** 02/12/2022

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
183	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	Yield Stress (20 N to 500 kN)	ASTM A370
184	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	Yield Stress (20 N to 500 kN)	BS EN ISO 6892-1
185	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	Yield Stress (20 N to 500 kN)	JIS Z 2241
186	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	0.2 % Proof Stress (20 N to 500 kN)	ASTM A370
187	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	Tensile Strength (20 N to 500 kN)	ASTM A370
188	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	Tensile Strength (20 N to 500 kN)	ASTM E8 / E8M
189	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	Tensile Strength (20 N to 500 kN)	BS EN ISO 6892-1
190	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	Tensile Strength (20 N to 500 kN)	JIS Z 2241
191	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	Tensile Strength (20 N to 500 kN)	IS 1608-1
192	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	Charpy Impact Test (Ambient Temperature to -80°C)	IS 1757 Part-1
193	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	0.2% Proof Stress (20 N to 500 kN)	IS 1608-1
194	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	0.2% Proof Stress (20 N to 500 kN)	ASTM E8 / E8M
195	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	0.2% Proof Stress (20 N to 500 kN)	BS EN ISO 6892-1
196	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	0.2% Proof Stress (20 N to 500 kN)	JIS Z 2241

SCOPE OF ACCREDITATION

Laboratory Name : INDIANA TEST CALIBRATION AND CERTIFICATION SERVICES, D-151, PHASE - 7, INDUSTRIAL AREA, S.A.S NAGAR, MOHALI, PUNJAB, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5982 **Page No** 12 of 41

Validity 09/07/2022 to 08/07/2024 **Last Amended on** 02/12/2022

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
197	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	0.5% Proof Stress (20 N to 500 kN)	ASTM E8 / E8M
198	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	0.5% Proof Stress (20 N to 500 kN)	BS EN ISO 6892-1
199	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	0.5% Proof Stress (20 N to 500 kN)	IS 1608-1
200	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	0.5% Proof Stress (20 N to 500 kN)	JIS Z 2241
201	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	Charpy Impact Test (Ambient Temperature to -80°C)	ASTM E23
202	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	Elongation (20 N to 500 kN)	ASTM E8 / E8M
203	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	0.5 % Proof Stress (20 N to 500 kN)	ASTM A370
204	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	Elongation (20 N to 500 kN)	ASTM A370
205	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	Elongation (20 N to 500 kN)	BS EN ISO 6892-1
206	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	Elongation (20 N to 500 kN)	IS 1608-1
207	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	Elongation (20 N to 500 kN)	JIS Z 2241
208	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	Reduction Area (20 N to 500 kN)	ASTM A370
209	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	Reduction Area (20 N to 500 kN)	ASTM E8 / E8M
210	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	Reduction Area (20 N to 500 kN)	BS EN ISO 6892-1

SCOPE OF ACCREDITATION

Laboratory Name : INDIANA TEST CALIBRATION AND CERTIFICATION SERVICES, D-151, PHASE - 7, INDUSTRIAL AREA, S.A.S NAGAR, MOHALI, PUNJAB, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5982 **Page No** 13 of 41

Validity 09/07/2022 to 08/07/2024 **Last Amended on** 02/12/2022

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
211	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	Reduction Area (20 N to 500 kN)	IS 1608-1
212	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	Reduction Area (20 N to 500 kN)	JIS Z 2241
213	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	Bend (Mandrel Size up to 380 mm)	ASTM A370
214	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	Bend (Mandrel Size up to 380 mm)	ASTM E290
215	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	Bend (Mandrel Size up to 380 mm)	IS 1599
216	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	Bend (Mandrel Size up to 380 mm)	ISO 7438
217	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	Brinell Hardness	ASTM A370
218	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	Brinell Hardness	ASTM E10
219	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	Brinell Hardness	IS 1500 Part-1
220	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	Brinell Hardness	ISO 6506 Part-1
221	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	Izod Impact Test	IS 1598
222	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	Micro Vicker Hardness (HV 0.2, HV 0.3, HV 0.5, HV 1.0)	ASTM E384
223	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	Micro Vicker Hardness (HV 0.2, HV 0.3, HV 0.5, HV 1.0)	IS 1501 Part-1
224	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	Micro Vicker Hardness (HV 0.2, HV 0.3, HV 0.5, HV 1.0)	ISO 6507 Part-1

SCOPE OF ACCREDITATION

Laboratory Name :	INDIANA TEST CALIBRATION AND CERTIFICATION SERVICES, D-151, PHASE - 7, INDUSTRIAL AREA, S.A.S NAGAR, MOHALI, PUNJAB, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5982
Page No	14 of 41
Validity	09/07/2022 to 08/07/2024
Last Amended on	02/12/2022

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
225	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	Rockwell Hardness (Scale A)	ASTM E18
226	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	Rockwell Hardness (Scale B)	ASTM A370
227	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	Rockwell Hardness (Scale B)	ASTM E18
228	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	Rockwell Hardness (Scale C)	ASTM E18
229	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	Rockwell Hardness (Scale C)	ASTM A370
230	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	Rockwell Hardness (Scale A)	IS 1586 Part-1
231	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	Rockwell Hardness Scale (A)	ASTM A370
232	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	Rockwell Hardness Scale (A)	ISO 6508 Part-1
233	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	Rockwell Hardness Scale (B)	IS 1586 Part-1
234	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	Rockwell Hardness Scale (B)	ISO 6508 Part-1
235	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	Rockwell Hardness Scale (C)	IS 1586 Part-1
236	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	Rockwell Hardness Scale (C)	ISO 6508 Part-1
237	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	Vicker Hardness (HV5, HV10, HV30)	ASTM E92
238	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	Vicker Hardness (HV5, HV10, HV30)	IS 1501 Part-1

SCOPE OF ACCREDITATION

Laboratory Name :	INDIANA TEST CALIBRATION AND CERTIFICATION SERVICES, D-151, PHASE - 7, INDUSTRIAL AREA, S.A.S NAGAR, MOHALI, PUNJAB, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5982	**Page No**	15 of 41
Validity	09/07/2022 to 08/07/2024	**Last Amended on**	02/12/2022

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
239	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods, Wires, Pipes, HSD Steel Bars	Vicker Hardness (HV5, HV10, HV30)	ISO 6507 Part-1
240	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns, Channels, Rails, Plates, Sheets, Sections, Rods,HSD Steel Bar, Pipes, Multi Wire Strand	Charpy Impact Test (Ambient Temperature to -80°C)	ASTM A370
241	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Beams, Columns,Channels, Rails, Plates, Sheets Sections, Rods , Pipes	Charpy Impact Test (Ambient Temperature to -80°C)	BS EN ISO-148 Part-1
242	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Proof Load Test (5 kN to 500 kN)	IS 1367 Part-3
243	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Yield Stress (20 N to 500 kN)	ISO 898 Part-1
244	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Yield Stress (20 N to 500 kN)	ASTM A370
245	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Yield Stress (20 N to 500 kN)	IS 1367 Part-3
246	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Yield Stress (20 N to 500 kN)	ISO 3506 Part-1
247	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Yield Stress (20 N to 30 kN & 5 kN to 500 kN)	ASTM F606M
248	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Yield Stress (20 N to 30 kN & 5 kN to 500 kN)	IS 1367 Part-14 Sec.1
249	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Tensile Strength (20 N to 500 kN)	IS 1367 Part-14 Sec.1
250	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Tensile Strength (20 N to 500 kN)	ASTM A370
251	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Tensile Strength (20 N to 500 kN)	IS 1367 Part-3
252	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Tensile Strength (20 N to 500 kN)	ASTM F606M

SCOPE OF ACCREDITATION

Laboratory Name :	INDIANA TEST CALIBRATION AND CERTIFICATION SERVICES, D-151, PHASE - 7, INDUSTRIAL AREA, S.A.S NAGAR, MOHALI, PUNJAB, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5982	**Page No**	16 of 41
Validity	09/07/2022 to 08/07/2024	**Last Amended on**	02/12/2022

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
253	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Tensile Strength (20 N to 500 kN)	ISO 3506 Part-1
254	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Tensile Strength (20 N to 500 kN)	ISO 898 Part-1
255	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Charpy Impact Test (Ambient Temperature to -80°C)	BS EN ISO 148 Part-1
256	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	0.2% Proof Stress (20 N to 500 kN)	ASTM A370
257	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	0.2% Proof Stress (20 N to 500 kN)	ASTM F606M
258	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	0.2% Proof Stress (20 N to 500 kN)	ISO 3506 Part-1
259	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	0.2% Proof Stress (20 N to 500 kN)	ISO 898 Part-1
260	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	0.2% Proof Stress (20 N to 500 kN)	IS 1367 Part-14 Sec.1
261	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	0.2% Proof Stress (20 N to 500 kN)	IS 1367 Part-3
262	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Charpy Impact Test (Ambient Temperature to -80°C)	ASTM A370
263	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Bolts (Length) 5 mm to 600 mm >600 mm to 3000 mm	IS 12427
264	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Charpy Impact Test (Ambient Temperature to -80°C)	IS 1757 Part-1
265	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Nut (Length) 5 mm to 600 mm >600 mm to 3000 mm	IS 14394
266	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Charpy Impact Test (Ambient Temperature to -80°C)	ASTM E23

SCOPE OF ACCREDITATION

Laboratory Name :	INDIANA TEST CALIBRATION AND CERTIFICATION SERVICES, D-151, PHASE - 7, INDUSTRIAL AREA, S.A.S NAGAR, MOHALI, PUNJAB, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5982	**Page No**	17 of 41
Validity	09/07/2022 to 08/07/2024	**Last Amended on**	02/12/2022

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
267	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Wedge Load (5 kN to 500 kN)	IS 1367 Part-3
268	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Wedge Load (5 kN to 500 kN)	ISO 3506 Part-1
269	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Wedge Load (5 kN to 500 kN)	ASTM A370
270	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Elongation (20 N to 500 kN)	IS 1367 Part-14 Sec.1
271	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Elongation (20 N to 500 kN)	ASTM A370
272	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Elongation (20 N to 500 kN)	ASTM F606M
273	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Elongation (20 N to 500 kN)	IS 1367 Part-3
274	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Elongation (20 N to 500 kN)	ISO 898 Part-1
275	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Reduction Area (20 N to 500 kN)	ASTM A370
276	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Reduction Area (20 N to 500 kN)	IS 1367 Part-14 Sec.1
277	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Reduction Area (20 N to 500 kN)	ISO 3506 Part-1
278	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Reduction Area (20 N to 500 kN)	ISO 898 Part-1
279	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Reduction Area (20 N to 500 kN)	IS 1367 Part-3
280	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	% Elongation (20 N to 30 kN & 5 kN to 500 kN)	ISO 3506 Part-1

SCOPE OF ACCREDITATION

Laboratory Name : INDIANA TEST CALIBRATION AND CERTIFICATION SERVICES, D-151, PHASE - 7, INDUSTRIAL AREA, S.A.S NAGAR, MOHALI, PUNJAB, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5982 **Page No** 18 of 41

Validity 09/07/2022 to 08/07/2024 **Last Amended on** 02/12/2022

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
281	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Bolts (Diameter)	IS 12427
282	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Bolts (Diameter)	IS 3757
283	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Bolts (Diameter)	IS: 1363 Part-1
284	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Bolts (Length) 5 mm to 600 mm >600 mm to 3000 mm	IS 3757
285	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Bolts (Length) 5 mm to 600 mm >600 mm to 3000 mm	IS: 1363 Part-1
286	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Bolts (Pitch)	IS 12427
287	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Bolts (Pitch)	IS 3757
288	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Bolts (Pitch)	IS: 1363 Part-1
289	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Compression Loads	ISO: 14399 Part-9
290	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Head Soundness	IS 1367 Part-3
291	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Head Soundness	ISO 898 Part-1
292	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Micro Vicker Hardness (HV 0.2, HV 0.3, HV 0.5, HV 1.0)	ASTM E384
293	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Micro Vicker Hardness (HV 0.2, HV 0.3, HV 0.5, HV 1.0)	IS 1501 Part-1
294	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Micro Vicker Hardness (HV 0.2, HV 0.3, HV 0.5, HV 1.0)	ISO 6507 Part-1

SCOPE OF ACCREDITATION

Laboratory Name :	INDIANA TEST CALIBRATION AND CERTIFICATION SERVICES, D-151, PHASE - 7, INDUSTRIAL AREA, S.A.S NAGAR, MOHALI, PUNJAB, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5982	**Page No**	19 of 41
Validity	09/07/2022 to 08/07/2024	**Last Amended on**	02/12/2022

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
295	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Nut (Diameter)	IS 14394
296	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Nut (Diameter)	IS 6623
297	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Nut (Diameter)	IS: 1363 Part-3
298	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Nut (Length)	IS 6623
299	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Nut (Length) 5 mm to 600 mm >600 mm to 3000 mm	IS: 1363 Part-3
300	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Nut (Pitch)	IS 14394
301	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Nut (Pitch)	IS 6623
302	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Nut (Pitch)	IS: 1363 Part-3
303	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Permanent Load Test	IS 6735
304	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Permanent Set Test (20N to 500 kN)	IS 6735
305	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Plane Washer (Diameter)	IS 2016
306	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Plane Washer (Thickness)	IS 2016
307	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Proof Load Test (5 kN to 500 kN)	ISO 3506 Part-2
308	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Proof Load Test (5 kN to 500 kN)	ASTM F606M

SCOPE OF ACCREDITATION

Laboratory Name :	INDIANA TEST CALIBRATION AND CERTIFICATION SERVICES, D-151, PHASE - 7, INDUSTRIAL AREA, S.A.S NAGAR, MOHALI, PUNJAB, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5982	**Page No**	20 of 41
Validity	09/07/2022 to 08/07/2024	**Last Amended on**	02/12/2022

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
309	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Proof Load Test (5 kN to 500 kN)	IS 1367 Part-14 Sec.1
310	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Proof Load Test (5 kN to 500 kN)	IS 1367 Part-6
311	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Proof Load Test (5 kN to 500 kN)	ISO 3506 Part-1
312	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Proof Load Test (5 kN to 500 kN)	ISO 898 Part-2
313	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Proof Load Test (5 kN to 500 kN)	ASTM A370
314	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Proof Load Test (5 kN to 500 kN)	ISO 898 Part-1
315	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Reduction Area (20 N to 500 kN)	ASTM F606M
316	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Screw (Diameter)	IS: 1363 Part-2
317	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Screw (Length)	IS : 1363 Part-2
318	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Screw (Pitch)	IS: 1363: Part-2
319	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Spring Washer (Diameter)	IS 3063
320	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Spring Washer (Height)	IS 3063
321	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Spring Washer (Mass) 0 to 100 g >100 g to 1000 g > 1 kg to 5 kg > 5 kg to 50 kg	IS 3063
322	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Spring Washer (Thickness)	IS 3063

SCOPE OF ACCREDITATION

Laboratory Name : INDIANA TEST CALIBRATION AND CERTIFICATION SERVICES, D-151, PHASE - 7, INDUSTRIAL AREA, S.A.S NAGAR, MOHALI, PUNJAB, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5982 **Page No** 21 of 41

Validity 09/07/2022 to 08/07/2024 **Last Amended on** 02/12/2022

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
323	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Twist Test	IS 6735
324	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Vicker Hardness (HV5, HV10, HV30)	ASTM E92
325	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Vicker Hardness (HV5, HV10, HV30)	IS 1501 Part-1
326	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Vicker Hardness (HV5, HV10, HV30)	ISO 6507 Part-1
327	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Washer (Diameter)	IS 6649
328	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Washer (Thickness)	IS 6649
329	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Wedge Load (5 kN to 500 kN)	IS 1367 Part-14 Sec.1
330	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Wedge Load (5 kN to 500 kN)	ASTM F606M
331	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners	Wedge Load (5 kN to 500 kN)	ISO 898 Part-1
332	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners, Wires, Rods, Rivets, Pins	Shear Test (20 N to 30 kN & 5 kN to 500 kN)	IS: 12427
333	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Foils	Yield Stress (20 N to 500 kN)	IS 13237
334	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Foils	Yield Stress (20 N to 500 kN)	ASTM E345
335	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Foils	Tensile Strength (20 N to 500 kN)	ASTM E345
336	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Foils	Tensile Strength (20 N to 500 kN)	IS 13237

SCOPE OF ACCREDITATION

Laboratory Name :	INDIANA TEST CALIBRATION AND CERTIFICATION SERVICES, D-151, PHASE - 7, INDUSTRIAL AREA, S.A.S NAGAR, MOHALI, PUNJAB, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5982	**Page No**	22 of 41
Validity	09/07/2022 to 08/07/2024	**Last Amended on**	02/12/2022

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
337	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Foils	Elongation (20 N to 500 kN)	ASTM E345
338	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Foils	Elongation (20 N to 500 kN)	IS 13237
339	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Helical Springs	Compression Test of Springs	ASTM A125
340	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Helical Springs	Compression Test of Springs	IS 7906 Part 5
341	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Helical Springs	Compression Test of Springs	IS 7906 Part 5
342	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hollow Section	Drift Expanding Test / Flaring Test	ASTM A1016/A1016M
343	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hollow Section	Drift Expanding test / Flaring test	ASTM A370
344	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hollow Section	Drift Expanding test / Flaring test	ASTM B153
345	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hollow Section	Drift Expanding Test / Flaring Test	IS 2335
346	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hollow Section	Drift Expanding Test / Flaring Test	ISO 8493
347	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hollow Section	Drift Expanding Test/ Flaring Test	ASTM A450/A450M
348	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hollow Section	Flattening Test	ASTM A370
349	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hollow Section	Flattening Test	ASTM B968
350	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hollow Section	Flattening Test	ASTM A1016/A1016M-a

SCOPE OF ACCREDITATION

Laboratory Name :	INDIANA TEST CALIBRATION AND CERTIFICATION SERVICES, D-151, PHASE - 7, INDUSTRIAL AREA, S.A.S NAGAR, MOHALI, PUNJAB, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5982	**Page No**	23 of 41
Validity	09/07/2022 to 08/07/2024	**Last Amended on**	02/12/2022

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
351	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hollow Section	Flattening Test	ASTM A450/A450M
352	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hollow Section	Flattening Test	ASTM A530/A530M
353	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hollow Section	Flattening Test	BS EN 14399 (PART 9)
354	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hollow Section	Flattening Test	IS 2328
355	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hollow Section	Flattening Test	IS 2328
356	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hollow Section	Flattening Test	ISO 8492
357	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hollow Section/ Tubes/ Pipes	Bend Test	IS 2329
358	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hollow Section/ Tubes/ Pipes	Bend Test	ISO 8491
359	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hollow Section/ Tubes/ Pipes	Reverse Bend Test	ASTM A1016/A1016M
360	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hollow Section/ Tubes/ Pipes	Reverse Bend Test	ASTM A450/ A450M
361	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hollow Steel Section	Width	IS 4923
362	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hollow Steel Section	Mass	IS 4923
363	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hollow Steel Section	Depth	IS 4923
364	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hollow Steel Section	Thickness	IS 4923

SCOPE OF ACCREDITATION

Laboratory Name :	INDIANA TEST CALIBRATION AND CERTIFICATION SERVICES, D-151, PHASE - 7, INDUSTRIAL AREA, S.A.S NAGAR, MOHALI, PUNJAB, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5982
Page No	24 of 41
Validity	09/07/2022 to 08/07/2024
Last Amended on	02/12/2022

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
365	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HSD Steel Bars and Wires	Re-bend (Mandrel Size up to 380 mm)	IS-1786
366	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Foils	Yield Stress (20 N to 30 kN)	ASTM E345
367	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Foils	Yield Stress (20 N to 30 kN)	IS 13237
368	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Foils	Tensile Strength (20 N to 30 kN)	ASTM E345
369	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Foils	Tensile Strength (20 N to 30 kN)	IS 13237
370	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Foils	% Elongation (20 N to 30 kN)	ASTM E345
371	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Foils	% Elongation (20 N to 30 kN)	IS 13237
372	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	Yield Stress (20 N to 30 kN & 5 kN to 500 kN)	BS EN ISO 6892-1
373	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	Yield Stress (20 N to 30 kN & 5 kN to 500 kN)	IS 1608 Part-1
374	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	Yield Stress (20 N to 30 kN & 5 kN to 500 kN)	JIS-Z 2241
375	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	0.2% Proof Stress (20 N to 500 kN)	BS EN ISO 6892-1
376	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	0.2% Proof Stress (20 N to 500 kN)	IS 1608 Part-1
377	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	Yield Stress (20 N to 30 kN & 5 kN to 500 kN)	ASTM E8 / E8M
378	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	Yield Stress (20 N to 30 kN & 5 kN to 500 kN)	BS EN ISO 6892-1

SCOPE OF ACCREDITATION

Laboratory Name :	INDIANA TEST CALIBRATION AND CERTIFICATION SERVICES, D-151, PHASE - 7, INDUSTRIAL AREA, S.A.S NAGAR, MOHALI, PUNJAB, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5982
Page No	25 of 41
Validity	09/07/2022 to 08/07/2024
Last Amended on	02/12/2022

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
379	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	Yield Stress (20 N to 500 kN)	ASTM B557
380	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	Yield Stress (20 N to 500 kN)	BS EN ISO 6892-1
381	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	Yield Stress (20 N to 500 kN)	IS 1608 Part-1
382	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	Yield Stress (20 N to 500 kN)	JIS Z 2241
383	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	0.2% Proof Stress (20 N to 500 kN)	IS 1608 Part-1
384	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	Tensile Strength (20 N to 500 kN)	ASTM E8 / E8M
385	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	Tensile Strength (20 N to 500 kN)	JIS Z 2241
386	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	Tensile Strength (20 N to 30 kN & 5 kN to 500 kN)	BS EN ISO 6892-1
387	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	Tensile Strength (20 N to 30 kN & 5 kN to 500 kN)	IS 1608 Part-1
388	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	Tensile Strength (20 N to 500 kN)	BS EN ISO 6892-1
389	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	Tensile Strength (20 N to 500 kN)	IS 1608 Part-1
390	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	Tensile Strength (20 N to 500 kN)	JIS Z 2241
391	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	0.2% Proof Stress (20 N to 500 kN)	JIS Z 2241
392	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	0.2% Proof Stress (20 N to 500 kN)	ASTM E8 / E8M

SCOPE OF ACCREDITATION

Laboratory Name :	INDIANA TEST CALIBRATION AND CERTIFICATION SERVICES, D-151, PHASE - 7, INDUSTRIAL AREA, S.A.S NAGAR, MOHALI, PUNJAB, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5982	**Page No**	26 of 41
Validity	09/07/2022 to 08/07/2024	**Last Amended on**	02/12/2022

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
393	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	0.2% Proof Stress (20 N to 500 kN)	JIS Z 2241
394	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	Elongation (20 N to 500 kN)	ASTM E8 / E8M
395	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	Elongation (20 N to 500 kN)	BS EN ISO 6892-1
396	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	Elongation (20 N to 500 kN)	IS 1608 Part-1
397	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	Elongation (20 N to 500 kN)	JIS Z 2241
398	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	Reduction Area (20 N to 500 kN)	ASTM B557
399	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	Reduction Area (20 N to 500 kN)	ASTM E8 / E8M
400	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	Reduction Area (20 N to 500 kN)	BS EN ISO 6892-1
401	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	Reduction Area (20 N to 500 kN)	IS 1608 Part-1
402	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	Reduction Area (20 N to 500 kN)	JIS Z 2241
403	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	Tensile Strength (20 N to 500 kN)	JIS Z 2241
404	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	% Elongation (20 N to 30 kN & 5 kN to 500 kN)	BS EN ISO 6892 Part-1
405	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	% Elongation (20 N to 30 kN & 5 kN to 500 kN)	IS 1608 Part-1
406	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	% Reduction Area (20 N to 30 kN & 5 kN to 500 kN)	BS EN ISO 6892 Part-1

SCOPE OF ACCREDITATION

Laboratory Name :	INDIANA TEST CALIBRATION AND CERTIFICATION SERVICES, D-151, PHASE - 7, INDUSTRIAL AREA, S.A.S NAGAR, MOHALI, PUNJAB, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5982	**Page No**	27 of 41
Validity	09/07/2022 to 08/07/2024	**Last Amended on**	02/12/2022

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
407	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	% Reduction Area (20 N to 30 kN & 5 kN to 500 kN)	IS 1608 Part-1
408	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	0.2% Proof Stress (20 N to 30 kN & 5 kN to 500 kN)	BS EN ISO 6892-1
409	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	0.2% Proof Stress (20 N to 500 kN)	ASTM B557
410	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	Bend (Mandrel Size up to 380 mm)	ASTM E290
411	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	Bend (Mandrel Size up to 380 mm)	IS 1599
412	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	Bend (Mandrel Size up to 380 mm)	IS 1599
413	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	Bend (Mandrel Size up to 380 mm)	ISO 7438
414	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	Brinell Hardness	ASTM E10
415	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	Brinell Hardness	IS 1500 Part-1
416	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	Brinell Hardness	ISO 6506 Part-1
417	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	Elongation (20 N to 500 kN)	ASTM B557
418	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	Micro Vicker Hardness (HV 0.2, HV 0.3, HV 0.5, HV 1.0)	ASTM E384
419	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	Micro Vicker Hardness (HV 0.2, HV 0.3, HV 0.5, HV 1.0)	IS 1501 Part-1
420	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	Micro Vicker Hardness (HV 0.2, HV 0.3, HV 0.5, HV 1.0)	ISO 6507 Part-1

SCOPE OF ACCREDITATION

Laboratory Name :	INDIANA TEST CALIBRATION AND CERTIFICATION SERVICES, D-151, PHASE - 7, INDUSTRIAL AREA, S.A.S NAGAR, MOHALI, PUNJAB, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5982	**Page No**	28 of 41
Validity	09/07/2022 to 08/07/2024	**Last Amended on**	02/12/2022

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
421	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	Rockwell Hardness (Scale B)	ASTM E18
422	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	Rockwell Hardness (Scale B)	ASTM E18
423	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	Rockwell Hardness (Scale A)	ASTM E18
424	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	Rockwell Hardness (Scale C)	ASTM E18
425	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	Rockwell Hardness Scale (A)	IS 1586 Part-1
426	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	Rockwell Hardness Scale (A)	ISO 6508 Part-1
427	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	Rockwell Hardness Scale (A)	ISO 6508 Part-1
428	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	Rockwell Hardness Scale (B)	IS 1586 Part-1
429	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	Rockwell Hardness Scale (B)	ISO 6508 Part-1
430	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	Rockwell Hardness Scale (B)	ISO 6508 Part-1
431	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	Rockwell Hardness Scale (C)	IS 1586 Part-1
432	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	Rockwell Hardness Scale (C)	ISO 6508 Part-1
433	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	Rockwell Hardness Scale (A)	IS 1586 Part-1
434	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	Vicker Hardness (HV5, HV10, HV30)	ASTM E92

SCOPE OF ACCREDITATION

Laboratory Name : INDIANA TEST CALIBRATION AND CERTIFICATION SERVICES, D-151, PHASE - 7, INDUSTRIAL AREA, S.A.S NAGAR, MOHALI, PUNJAB, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5982 **Page No** 29 of 41

Validity 09/07/2022 to 08/07/2024 **Last Amended on** 02/12/2022

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
435	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	Vicker Hardness (HV5, HV10, HV30)	IS 1501 Part-1
436	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Sheets, Sections, Strips, Bars, Rods, Wires, Profiles, Tubes	Vicker Hardness (HV5, HV10, HV30)	ISO 6507 Part-1
437	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Strips, and Flats	Width	IS 1730
438	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Strips, and Flats	Length	IS 1730
439	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Strips, and Flats	Mass	IS 1730
440	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plates, Strips, and Flats	Thickness	IS 1730
441	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round and Square Bars	Width	IS 1732
442	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round and Square Bars	Length	IS 1732
443	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round and Square Bars	Diameter	IS 1732
444	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round and Square Bars	Mass	IS 1732
445	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Rubber & Rubber Products	% Elongation	IS 3400 Part-1
446	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Rubber & Rubber Products	Hardness (Shore A) By Durometer Method	ASTM D 2240
447	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Rubber & Rubber Products	Hardness (Shore D) By Durometer Method	ASTM D 2240
448	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Rubber & Rubber Products	Tensile Strength	IS 3400 Part-1

SCOPE OF ACCREDITATION

Laboratory Name : INDIANA TEST CALIBRATION AND CERTIFICATION SERVICES, D-151, PHASE - 7, INDUSTRIAL AREA, S.A.S NAGAR, MOHALI, PUNJAB, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5982 **Page No** 30 of 41

Validity 09/07/2022 to 08/07/2024 **Last Amended on** 02/12/2022

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
449	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Cans	Height	NDDB Spec No 14.32.01.01.R05
450	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Cans	Inner Diameter	NDDB Spec No 14.32.01.01.R05
451	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Cans	Internal Neck Diameter	NDDB Spec No 14.32.01.01.R05
452	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Cans	Mass	NDDB Spec No 14.32.01.01.R05
453	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Cans	Outer Diameter	NDDB Spec No 14.32.01.01.R05
454	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Cans	Thickness	NDDB Spec No 14.32.01.01.R05
455	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Cans	Volume	NDDB Spec No 14.32.01.01.R05
456	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Pipe / Tubes	Workmanship / Finish (Up to 150 mm Nominal Size)	IS 1161
457	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Pipe / Tubes	Workmanship / Finish (Up to 150 mm Nominal Size)	IS 1239 Part-1
458	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Pipe Fitting	Length	IS 1239 Part-2
459	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Pipe Fitting	Angle	IS 1239 Part-2
460	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Pipe Fitting	Inner Diameter	IS 1239 Part-2
461	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Pipe Fitting	Outer Diameter	IS 1239 Part-2
462	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Pipe Fitting	Radius	IS 1239 Part-2

SCOPE OF ACCREDITATION

Laboratory Name :	INDIANA TEST CALIBRATION AND CERTIFICATION SERVICES, D-151, PHASE - 7, INDUSTRIAL AREA, S.A.S NAGAR, MOHALI, PUNJAB, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5982	**Page No**	31 of 41
Validity	09/07/2022 to 08/07/2024	**Last Amended on**	02/12/2022

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
463	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Pipe Fitting	Thickness	IS 1239 Part-2
464	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Pipes	Length	IS 3589
465	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Pipes	Mass	IS 3589
466	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Pipes	Inner Diameter	IS 3589
467	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Pipes	Outer Diameter	IS 3589
468	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Pipes	Thickness	IS 3589
469	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tubes	Length	IS 1161
470	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tubes	Length	IS 3601
471	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tubes	Length	IS 4270
472	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tubes	Length	IS 1239 Part-1
473	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tubes	Mass	IS 1239 Part-1
474	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tubes	Mass	IS 1161
475	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tubes	Volume	IS 1161
476	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tubes	Diameter	IS 3601

SCOPE OF ACCREDITATION

Laboratory Name : INDIANA TEST CALIBRATION AND CERTIFICATION SERVICES, D-151, PHASE - 7, INDUSTRIAL AREA, S.A.S NAGAR, MOHALI, PUNJAB, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5982 **Page No** 32 of 41

Validity 09/07/2022 to 08/07/2024 **Last Amended on** 02/12/2022

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
477	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tubes	Inner Diameter	IS 1161
478	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tubes	Inner Diameter	IS 1239 Part-1
479	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tubes	Inner Diameter	IS 4270
480	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tubes	Mass	IS 4270
481	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tubes	Outer Diameter	IS 1161
482	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tubes	Outer Diameter	IS 1239 Part-1
483	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tubes	Outer Diameter	IS 4270
484	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tubes	Thickness	IS 1161
485	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tubes	Thickness	IS 1239 Part-1
486	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tubes	Thickness	IS 3601
487	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tubes	Thickness	IS 4270
488	MECHANICAL-MECHANICAL PROPERTIES OF METALS	TMT / HSD Bars and Wires	Diameter	IS 1786
489	MECHANICAL-MECHANICAL PROPERTIES OF METALS	TMT/HSD Bars and Wires	Length	IS 1786
490	MECHANICAL-MECHANICAL PROPERTIES OF METALS	TMT/HSD Bars and Wires	Mass 0 to 100 g >100 g to 1000 g > 1 kg to 5 kg > 5 kg to 50 kg	IS 1786

SCOPE OF ACCREDITATION

Laboratory Name :	INDIANA TEST CALIBRATION AND CERTIFICATION SERVICES, D-151, PHASE - 7, INDUSTRIAL AREA, S.A.S NAGAR, MOHALI, PUNJAB, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5982	**Page No**	33 of 41
Validity	09/07/2022 to 08/07/2024	**Last Amended on**	02/12/2022

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
491	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Tensile Strength (20 N to 500 kN)	ASTM A370
492	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Tensile Strength (20 N to 500 kN)	IS 3600 Part-3
493	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Tensile Strength (20 N to 500 kN)	ASME Sec IX
494	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Tensile Strength (20 N to 500 kN)	AWS D1.1/D1.1M
495	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Tensile Strength (20 N to 500 kN)	BS EN ISO 5178
496	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Tensile Strength (20 N to 500 kN)	ISO 4136
497	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	% Elongation (20 N to 500 kN)	IS 1608 Part-1
498	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	% Reduction Area (20 N to 500 kN)	IS 1608 Part-1
499	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Bend Test	ISO 14555
500	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Bend Test(Mandrel Size up to 380 mm)	API 1104
501	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Bend Test(Mandrel Size up to 380 mm)	ASME Sec IX
502	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Bend Test(Mandrel Size up to 380 mm)	ASTM A370
503	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Bend Test(Mandrel Size up to 380 mm)	AWS D1.1/D1.1M
504	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Bend Test(Mandrel Size up to 380 mm)	AWS B4.0

SCOPE OF ACCREDITATION

Laboratory Name :	INDIANA TEST CALIBRATION AND CERTIFICATION SERVICES, D-151, PHASE - 7, INDUSTRIAL AREA, S.A.S NAGAR, MOHALI, PUNJAB, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5982	**Page No**	34 of 41
Validity	09/07/2022 to 08/07/2024	**Last Amended on**	02/12/2022

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
505	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Bend Test(Mandrel Size up to 380 mm)	BS EN ISO 5173:2010+A1
506	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Bend Test(Mandrel Size up to 380 mm)	IS 3600 Part-4
507	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Bend Test(Mandrel Size up to 380 mm)	IS 3600 Part-5
508	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Brinell Hardness Test	ASTM A370
509	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Brinell Hardness Test	ASTM E10
510	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Brinell Hardness Test	IS 1500 Part-1
511	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Brinell Hardness Test	ISO 6506 Part-1
512	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Charpy Impact Test (Ambient to -80°C)	ASME Sec IX
513	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Charpy Impact Test (Ambient to -80°C)	API 1104
514	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Charpy Impact Test (Ambient to -80°C)	ASTM A370
515	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Charpy Impact Test (Ambient to -80°C)	AWS D1.1/D1.1M
516	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Charpy Impact Test (Ambient to -80°C)	BS EN ISO 148 Part-1
517	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Charpy Impact Test (Ambient to -80°C)	IS 3600 Part-2
518	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Charpy Impact Test (Ambient to -80°C)	ASTM E23

SCOPE OF ACCREDITATION

Laboratory Name :	INDIANA TEST CALIBRATION AND CERTIFICATION SERVICES, D-151, PHASE - 7, INDUSTRIAL AREA, S.A.S NAGAR, MOHALI, PUNJAB, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5982	**Page No**	35 of 41
Validity	09/07/2022 to 08/07/2024	**Last Amended on**	02/12/2022

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
519	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Charpy Impact Test (Ambient to -80°C)	AWS B4.0
520	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Charpy Impact Test (Ambient to -80°C)	BS EN ISO 9016
521	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Fillet Fracture Test	API 1104
522	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Fillet Fracture Test	AWS D1.1/D1.1M
523	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Fillet Fracture Test	AWS D 15.1
524	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Micro Vicker Hardness Test (HV 0.2, HV 0.3, HV 0.5, HV 1.0)	ASTM E 384
525	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Micro Vicker Hardness Test (HV 0.2, HV 0.3, HV 0.5, HV 1.0)	IS 1501 Part-1
526	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Micro Vicker Hardness Test (HV 0.2, HV 0.3, HV 0.5, HV 1.0)	ISO 6507 Part-1
527	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Micro Vicker Hardness Test (HV 0.2, HV 0.3, HV 0.5, HV 1.0)	ISO 9015 Part-2
528	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Rockwell Hardness Test	API 1104
529	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Rockwell Hardness Test	API 1104
530	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Rockwell Hardness Test	API 1104
531	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Rockwell Hardness Test	ASME Sec IX
532	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Rockwell Hardness Test	ASME Sec IX

SCOPE OF ACCREDITATION

Laboratory Name :	INDIANA TEST CALIBRATION AND CERTIFICATION SERVICES, D-151, PHASE - 7, INDUSTRIAL AREA, S.A.S NAGAR, MOHALI, PUNJAB, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5982	**Page No**	36 of 41
Validity	09/07/2022 to 08/07/2024	**Last Amended on**	02/12/2022

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
533	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Rockwell Hardness Test	ASME Sec IX
534	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Rockwell Hardness Test	ASTM A-370
535	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Rockwell Hardness Test	ASTM A-370
536	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Rockwell Hardness Test	ASTM A-370
537	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Rockwell Hardness Test	ASTM E18
538	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Rockwell Hardness Test	ASTM E18
539	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Rockwell Hardness Test	ASTM E18
540	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Rockwell Hardness Test	AWS D1.1/D1.1M
541	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Rockwell Hardness Test	AWS D1.1/D1.1M
542	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Rockwell Hardness Test	AWS D1.1/D1.1M
543	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Rockwell Hardness Test	AWS B4.0
544	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Rockwell Hardness Test	AWS B4.0
545	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Rockwell Hardness Test	AWS B4.0
546	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Rockwell Hardness Test	IS 1586 Part-1

SCOPE OF ACCREDITATION

Laboratory Name :	INDIANA TEST CALIBRATION AND CERTIFICATION SERVICES, D-151, PHASE - 7, INDUSTRIAL AREA, S.A.S NAGAR, MOHALI, PUNJAB, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5982	**Page No**	37 of 41
Validity	09/07/2022 to 08/07/2024	**Last Amended on**	02/12/2022

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
547	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Rockwell Hardness Test	IS 1586 Part-1
548	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Rockwell Hardness Test	IS 1586 Part-1
549	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Rockwell Hardness Test	ISO 6508 Part-1
550	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Rockwell Hardness Test	ISO 6508 Part-1
551	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Rockwell Hardness Test	ISO 6508 Part-1
552	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Root, Face & Side Bend Test (Mandrel Size up to 380 mm)	AWS D 15.1
553	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Tensile Strength (20 N to 30 kN & 5 kN to 500 kN)	API 1104
554	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Tensile Strength (20 N to 30 kN & 5 kN to 500 kN)	AWS B4.0
555	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Tensile Strength (20 N to 30 kN & 5 kN to 500 kN)	IS 3600 Part-4
556	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Tensile Strength (20 N to 30 kN & 5 kN to 500 kN)	ISO 14555
557	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Tensile Strength (20 N to 500 kN)	ISO 14555
558	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Transverse Tensile (20 N to 500 kN)	AWS D 15.1
559	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Vicker Hardness (HV5, HV10, HV30)	ASTM E92
560	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Vicker Hardness (HV5, HV10, HV30)	IS 1501 Part-1

SCOPE OF ACCREDITATION

Laboratory Name :	INDIANA TEST CALIBRATION AND CERTIFICATION SERVICES, D-151, PHASE - 7, INDUSTRIAL AREA, S.A.S NAGAR, MOHALI, PUNJAB, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5982	**Page No**	38 of 41
Validity	09/07/2022 to 08/07/2024	**Last Amended on**	02/12/2022

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
561	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Vicker Hardness (HV5, HV10, HV30)	ISO 6507 Part-1
562	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Component	Yield Stress (20 N to 500 kN)	IS 1608 Part-1
563	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded test Specimens	Fillet Fracture Test	ASME Sec IX
564	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Test Specimens	Fillet Fracture Test	ASTM A370
565	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded test Specimens	Fillet Fracture Test	AWS B4.0
566	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded test Specimens	Fillet Fracture Test	IS 3600 Part-8
567	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded test Specimens	Fillet Fracture Test	ISO 9017
568	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Component	All Weld Tensile (20 N to 500 kN)	AWS D 15.1
569	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wires	Diameter	IS 1785 Part-1
570	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wires	Diameter	IS 1785 Part-2
571	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wires, Rods, Rivets, Pins, Bars	Double shear load (20 N to 30 kN & 5 kN to 500 kN)	IS 5242
572	MECHANICAL-METALLOGRAPHY TEST	Metallic Material (Raw Material and Final Product)	Case Depth By Microscopic Method	IS 6416
573	MECHANICAL-METALLOGRAPHY TEST	Metallic Material (Raw Material and Final Product)	Case Depth By Microscopic Method	IS: 7178
574	MECHANICAL-METALLOGRAPHY TEST	Metallic Material (Raw Material and Final Product)	Coating Thickness	ASTM B487
575	MECHANICAL-METALLOGRAPHY TEST	Metallic Material (Raw Material and Final Product)	Coating Thickness	IS 101 Part-3 Sec.2

SCOPE OF ACCREDITATION

Laboratory Name : INDIANA TEST CALIBRATION AND CERTIFICATION SERVICES, D-151, PHASE - 7, INDUSTRIAL AREA, S.A.S NAGAR, MOHALI, PUNJAB, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5982 **Page No** 39 of 41

Validity 09/07/2022 to 08/07/2024 **Last Amended on** 02/12/2022

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
576	MECHANICAL-METALLOGRAPHY TEST	Metallic Material (Raw Material and Final Product)	Coating Thickness	IS 1068
577	MECHANICAL-METALLOGRAPHY TEST	Metallic Material (Raw Material and Final Product)	Coating Thickness	IS 5523
578	MECHANICAL-METALLOGRAPHY TEST	Metallic Material (Raw Material and Final Product)	Coating Thickness by Magnetic Method	IS: 3203
579	MECHANICAL-METALLOGRAPHY TEST	Metallic Material (Raw Material and Final Product)	Coating Thickness by Microscopic Method	IS 3203
580	MECHANICAL-METALLOGRAPHY TEST	Metallic Material (Raw Material and Final Product)	Coating Thickness by Microscopic Method	ISO: 1461
581	MECHANICAL-METALLOGRAPHY TEST	Metallic Material (Raw Material and Final Product)	Depth of Decarb	ASTM E1077
582	MECHANICAL-METALLOGRAPHY TEST	Metallic Material (Raw Material and Final Product)	Depth of Decarb	ISO 3887
583	MECHANICAL-METALLOGRAPHY TEST	Metallic Material (Raw Material and Final Product)	Depth of Decarb	ISO 898 Part-1
584	MECHANICAL-METALLOGRAPHY TEST	Metallic Material (Raw Material and Final Product)	Effective Case Depth by Hardness Cut off Method	IS 6416
585	MECHANICAL-METALLOGRAPHY TEST	Metallic Material (Raw Material and Final Product)	Effective Case Depth by Hardness Cut off Method	ASTM B934
586	MECHANICAL-METALLOGRAPHY TEST	Metallic Material (Raw Material and Final Product)	Effective Case Depth by Hardness Cut off Method	IS: 7178
587	MECHANICAL-METALLOGRAPHY TEST	Metallic Material (Raw Material and Final Product)	Effective Case Depth by Hardness Cut off Method	ISO 18203
588	MECHANICAL-METALLOGRAPHY TEST	Metallic Material (Raw Material and Final Product)	Effective Case Depth by Hardness Cut off Method	SAE-J423
589	MECHANICAL-METALLOGRAPHY TEST	Metallic Material (Raw Material and Final Product)	Grain Size	ASTM E 112
590	MECHANICAL-METALLOGRAPHY TEST	Metallic Material (Raw Material and Final Product)	Grain Size	ASTM E112
591	MECHANICAL-METALLOGRAPHY TEST	Metallic Material (Raw Material and Final Product)	Grain Size	IS 4748
592	MECHANICAL-METALLOGRAPHY TEST	Metallic Material (Raw Material and Final Product)	Grain Size	ISO 643
593	MECHANICAL-METALLOGRAPHY TEST	Metallic Material (Raw Material and Final Product)	Inclusion Rating	ASTM E45-a
594	MECHANICAL-METALLOGRAPHY TEST	Metallic Material (Raw Material and Final Product)	Inclusion Rating	IS 4163

SCOPE OF ACCREDITATION

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5982	**Page No**	40 of 41
Validity	09/07/2022 to 08/07/2024	**Last Amended on**	02/12/2022

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595	MECHANICAL-METALLOGRAPHY TEST	Metallic Material (Raw Material and Final Product)	Inclusion Rating	ISO 4967
596	MECHANICAL-METALLOGRAPHY TEST	Metallic Material (Raw Material and Final Product)	Macro Structural Analysis	IS 11371
597	MECHANICAL-METALLOGRAPHY TEST	Metallic Material (Raw Material and Final Product)	Macro Structural Analysis	IS 13015
598	MECHANICAL-METALLOGRAPHY TEST	Metallic Material (Raw Material and Final Product)	Macro Structure Analysis	ASTM E381
599	MECHANICAL-METALLOGRAPHY TEST	Metallic Material (Raw Material and Final Product)	Mass of Coating	BS EN ISO- 1460
600	MECHANICAL-METALLOGRAPHY TEST	Metallic Material (Raw Material and Final Product)	Mass of Coating	IS 6745
601	MECHANICAL-METALLOGRAPHY TEST	Metallic Material (Raw Material and Final Product)	Mass of Coating	ASTM A90
602	MECHANICAL-METALLOGRAPHY TEST	Metallic Material (Raw Material and Final Product)	Mass of Coating	IS 1367 Part-13
603	MECHANICAL-METALLOGRAPHY TEST	Metallic Material (Raw Material and Final Product)	Mass of Coating	IS 3618
604	MECHANICAL-METALLOGRAPHY TEST	Metallic Material (Raw Material and Final Product)	Micro Structure	ASTM A247
605	MECHANICAL-METALLOGRAPHY TEST	Metallic Material (Raw Material and Final Product)	Micro Structure	ASM Handbook Volume IX
606	MECHANICAL-METALLOGRAPHY TEST	Metallic Material (Raw Material and Final Product)	Micro Structure	IS 7754
607	MECHANICAL-METALLOGRAPHY TEST	Metallic Material (Raw Material and Final Product)	Micro Structure	ISO 945 Part-1
608	MECHANICAL-METALLOGRAPHY TEST	Metallic Material (Raw Material and Final Product)	Micro Structure	ISO 945 Part-2
609	MECHANICAL-METALLOGRAPHY TEST	Metallic Material (Raw Material and Final Product)	Micro Structure	ISO 945 Part-3
610	MECHANICAL-METALLOGRAPHY TEST	Metallic Material (Raw Material and Final Product)	Micro Structure	ISO 945 Part-4
611	MECHANICAL-METALLOGRAPHY TEST	Metallic Material (Raw Material and Final Product)	Uniformity of Zinc Coating (Preece Test)	IS 2633
612	MECHANICAL-METALLOGRAPHY TEST	Weld	Weld Profile	AWS D 15.1

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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
613	MECHANICAL-METALLOGRAPHY TEST	Welds	Penetration/ Leg Length/ HAZ/ Concavity/ Convexity/ Length of Fusion/ Imperfections	API 1104
614	MECHANICAL-METALLOGRAPHY TEST	Welds	Penetration/ Leg Length/ HAZ/ Concavity/ Convexity/ Length of Fusion/ Imperfections	ASME Sec IX
615	MECHANICAL-METALLOGRAPHY TEST	Welds	Penetration/ Leg Length/ HAZ/ Concavity/ Convexity/ Length of Fusion/ Imperfections	AWS B4.0
616	MECHANICAL-METALLOGRAPHY TEST	Welds	Penetration/ Leg Length/ HAZ/ Concavity/ Convexity/ Length of Fusion/ Imperfections	AWS D 15.1
617	MECHANICAL-METALLOGRAPHY TEST	Welds	Penetration/ Leg Length/ HAZ/ Concavity/ Convexity/ Length of Fusion/ Imperfections	AWS D1.1/D1.1M
618	MECHANICAL-METALLOGRAPHY TEST	Welds	Penetration/ Leg Length/ HAZ/ Concavity/ Convexity/ Length of Fusion/ Imperfections	BS EN ISO 17639
619	MECHANICAL-METALLOGRAPHY TEST	Welds	Penetration/ Leg Length/ HAZ/ Concavity/ Convexity/ Length of Fusion/ Imperfections	IS 3600 Part-9:1985
620	MECHANICAL-METALLOGRAPHY TEST	Welds	Penetration/ Leg Length/ HAZ/ Concavity/ Convexity/ Length of Fusion/ Imperfections	ISO 5817
621	MECHANICAL-METALLOGRAPHY TEST	Welds	Penetration/ Leg Length/ HAZ/ Concavity/ Convexity/ Length of Fusion/ Imperfections	ISO 6520 Part-1
622	MECHANICAL-METALLOGRAPHY TEST	Welds	Penetration/ Leg Length/ HAZ/ Concavity/ Convexity/ Length of Fusion/ Imperfections	ISO 6520 Part-2
623	MECHANICAL-METALLOGRAPHY TEST	Welds	Weld Profile	AWS D1.1/ D1.1M