



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ASR METALLURGY PRIVATE LIMITED, 195, NORTH NEW LAYOUT, SONARI, JAMSHEDPUR, EAST SINGHBUM, JHARKHAND, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 11/09/2024 to 10/09/2026 **Last Amended on** 10/01/2025

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 Testing				
1	CHEMICAL- CORROSION TESTS	Austanitic Stainless Steel	Detecting Susceptibility to Intergranular Corrosion (IGC Pr. E)	ASTM A 262
2	CHEMICAL- CORROSION TESTS	Austanitic Stainless Steel	Detecting Susceptibility to Intergranular Corrosion (IGC Pr. A)	ASTM A 262
3	CHEMICAL- CORROSION TESTS	Coated Products / Panets / Raw Material / Galvanized Products / Panets / Raw Material / Plastic and Polymer Components / Raw Materials	Salt Spray Test	ASTM B117
4	CHEMICAL- CORROSION TESTS	Zinc coating	Zinc coating thickness weight analysis	IS 277
5	CHEMICAL- CORROSION TESTS	Zinc Coating	Zinc Coating thickness weight analysis	IS 6745
6	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Base Alloys	Chromium	ASTM E1251
7	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Base Alloys	Chromium	IS 11035
8	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Base Alloys	Copper	ASTM E1251
9	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Base Alloys	Copper	IS 11035
10	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Base Alloys	Iron	ASTM E1251
11	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Base Alloys	Iron	IS 11035
12	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Base Alloys	Lead	ASTM E1251
13	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Base Alloys	Magnesium	ASTM E1251
14	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Base Alloys	Magnesium	IS 11035
15	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Base Alloys	Manganese	ASTM E1251
16	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Base Alloys	Manganese	IS 11035
17	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Base Alloys	Nickel	ASTM E1251
18	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Base Alloys	Silicon	ASTM E1251



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19	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Base Alloys	Silicon	IS 11035
20	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Base Alloys	Titanium	ASTM E1251
21	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Base Alloys	Titanium	IS 11035
22	CHEMICAL- METALS & ALLOYS	Aluminium and Aluminum Base Alloys	Zinc	ASTM E1251
23	CHEMICAL- METALS & ALLOYS	Aluminium and Aluminum Base Alloys	Zinc	IS 11035
24	CHEMICAL- METALS & ALLOYS	Aluminum and its alloys	Tin	ASTM E1251
25	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon	ASTM E1999
26	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium	ASTM E1999
27	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese	ASTM E1999
28	CHEMICAL- METALS & ALLOYS	Cast Iron	Molybdenum	ASTM E1999
29	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel	ASTM E1999
30	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorus	ASTM E1999
31	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon	ASTM E1999
32	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulphur	ASTM E1999
33	CHEMICAL- METALS & ALLOYS	Plain carbon / Low Alloy	Sulphur	IS 8811
34	CHEMICAL- METALS & ALLOYS	Plain Carbon / Low Alloy Steel	Aluminium	IS 8811
35	CHEMICAL- METALS & ALLOYS	Plain Carbon / Low Alloy Steel	Carbon	IS 8811
36	CHEMICAL- METALS & ALLOYS	Plain Carbon / Low Alloy Steel	Chromium	IS 8811
37	CHEMICAL- METALS & ALLOYS	Plain Carbon / Low Alloy Steel	Cobalt	IS 8811
38	CHEMICAL- METALS & ALLOYS	Plain Carbon / Low Alloy Steel	Copper	IS 8811



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39	CHEMICAL- METALS & ALLOYS	Plain Carbon / Low Alloy Steel	Manganese	IS 8811
40	CHEMICAL- METALS & ALLOYS	Plain Carbon / Low Alloy Steel	Molybdenum	IS 8811
41	CHEMICAL- METALS & ALLOYS	Plain Carbon / Low Alloy Steel	Nickel	IS 8811
42	CHEMICAL- METALS & ALLOYS	Plain Carbon / Low Alloy Steel	Phosphorus	IS 8811
43	CHEMICAL- METALS & ALLOYS	Plain Carbon / Low Alloy Steel	Silicon	IS 8811
44	CHEMICAL- METALS & ALLOYS	Plain Carbon / Low Alloy Steel	Vanadium	IS 8811
45	CHEMICAL- METALS & ALLOYS	Plain carbon/Low Alloy	Aluminium	ASTM E415
46	CHEMICAL- METALS & ALLOYS	Plain carbon/Low Alloy	Carbon	ASTM E415
47	CHEMICAL- METALS & ALLOYS	Plain carbon/Low Alloy	Chromium	ASTM E415
48	CHEMICAL- METALS & ALLOYS	Plain carbon/Low Alloy	Cobalt	ASTM E415
49	CHEMICAL- METALS & ALLOYS	Plain carbon/Low Alloy	Copper	ASTM E415
50	CHEMICAL- METALS & ALLOYS	Plain carbon/Low Alloy	Maganese	ASTM E415
51	CHEMICAL- METALS & ALLOYS	Plain carbon/Low Alloy	Molybdenum	ASTM E415
52	CHEMICAL- METALS & ALLOYS	Plain carbon/Low Alloy	Nickel	ASTM E415
53	CHEMICAL- METALS & ALLOYS	Plain carbon/Low Alloy	Nitrogen	ASTM E415
54	CHEMICAL- METALS & ALLOYS	Plain carbon/Low Alloy	Phosphorus	ASTM E415
55	CHEMICAL- METALS & ALLOYS	Plain carbon/Low Alloy	Silicon	ASTM E415
56	CHEMICAL- METALS & ALLOYS	Plain carbon/Low Alloy	Sulphur	ASTM E415
57	CHEMICAL- METALS & ALLOYS	Plain carbon/Low Alloy	Vanadium	ASTM E415
58	CHEMICAL- METALS & ALLOYS	Stainless Steel (Cr-Ni Alloy)	Carbon	IS 9879



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59	CHEMICAL- METALS & ALLOYS	Stainless Steel (Cr-Ni Alloy)	Chromium	IS 9879
60	CHEMICAL- METALS & ALLOYS	Stainless Steel (Cr-Ni Alloy)	Copper	IS 9879
61	CHEMICAL- METALS & ALLOYS	Stainless Steel (Cr-Ni Alloy)	Manganese	IS 9879
62	CHEMICAL- METALS & ALLOYS	Stainless Steel (Cr-Ni Alloy)	Molybdenum	IS 9879
63	CHEMICAL- METALS & ALLOYS	Stainless Steel (Cr-Ni Alloy)	Nickel	IS 9879
64	CHEMICAL- METALS & ALLOYS	Stainless Steel (Cr-Ni Alloy)	Phosphorus	IS 9879
65	CHEMICAL- METALS & ALLOYS	Stainless Steel (Cr-Ni Alloy)	Silicon	IS 9879
66	CHEMICAL- METALS & ALLOYS	Stainless Steel (Cr-Ni Alloy)	Sulphur	IS 9879
67	CHEMICAL- METALS & ALLOYS	Tool Steel	Carbon	JIS G1253
68	CHEMICAL- METALS & ALLOYS	Tool steel	Chromium	JIS G1253
69	CHEMICAL- METALS & ALLOYS	Tool Steel	Manganese	JIS G1253
70	CHEMICAL- METALS & ALLOYS	Tool Steel	Molybdenum	JIS G1253
71	CHEMICAL- METALS & ALLOYS	Tool Steel	Nickel	JIS G1253
72	CHEMICAL- METALS & ALLOYS	Tool Steel	Phosphorous	JIS G1253
73	CHEMICAL- METALS & ALLOYS	Tool Steel	Silicon	JIS G1253
74	CHEMICAL- METALS & ALLOYS	Tool Steel	Sulphur	JIS G1253
75	CHEMICAL- METALS & ALLOYS	Tool Steel	Tungsten	JIS G1253
76	CHEMICAL- METALS & ALLOYS	Tool Steel	Vanadium	JIS G1253
77	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Bolts and Screws	Proof Load Test	IS 1367 (Part 3)



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78	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Deformed Steel Bars	% Elongation	IS 1608 (Part 01)
79	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Deformed Steel Bars	0.2 % Yield Stress	IS 1608(Part 01)
80	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Deformed Steel Bars	Bend Test : (10, 20,25,32,44, 48,84,64,96,112,125,175,140, 196,168,150,224,192,256) mm mandrel dia)	IS 1599
81	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Deformed Steel Bars	Mass Per Meter Run	IS 1786
82	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Deformed Steel Bars	Rebend Test(10, 20,25,32,44, 48,84,64,96,112,125,175,140, 196,168,150,224,192,256) mm mandrel dia)	IS 1786
83	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous	Rockwell Hardness test (HRBW)	ASTM A370
84	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous	Rockwell Hardness test (HRBW)	ASTM E18
85	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous	Rockwell Hardness test (HRBW)	ISO 6508 PART 1
86	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous	Rockwell Hardness test (HRBW)	IS 1586 (Part 1)
87	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	% Elongation	ISO 6892 PART 1
88	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	Bend Test	IS 277
89	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	Brinell Hardness Test (HBW 10/3000)	ISO 6506 PART 1
90	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	Brinell Hardness Test(HBW)	ISO 6506 PART 1
91	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	Compression Test	IS 7906 (Part 5)



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92	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	Micro Vickers Hardness Test (HV 0.2 kgf)	ISO 6507-1
93	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	Micro Vickers Hardness Test (HV 0.3 kgf)	ISO 6507-1
94	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	Micro Vickers Hardness Test (HV 1 kgf)	ISO 6507-1
95	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	Tensile Strength	ISO 6892-1
96	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	Vickers Hardness (HV10 kgf)	ISO 6507-1
97	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	Vickers Hardness Test (HV30 kgf)	ISO 6507-1
98	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material	Yield Stress	ISO 6892-1
99	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	% Elongation	ASTM A370
100	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	% Elongation	ASTM E8/8M
101	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	% Elongation	IS 1608 (Part 1)
102	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	% Reduction Area	ASTM A370
103	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	% Reduction Area	ASTM E8/8M
104	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	% Reduction Area	IS 1608 (Part 1)
105	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	0.1% Proof Stress	ASTM A370



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106	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	0.1% Proof Stress	ASTM E8/8M
107	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	0.1% Proof Stress	IS 1608 (Part 1)
108	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	0.1% Proof Stress	ISO 6892 PART 1
109	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	0.2% Proof Stress	ASTM A370
110	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	0.2% Proof Stress	ASTM E8/8M
111	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	0.2% Proof Stress	IS 1608 (Part 1)
112	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	0.2% Proof Stress	ISO 6892 PART 1
113	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Bend Test	ASTM A370
114	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Bend Test	IS 1599
115	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Bend Test	ISO 7438
116	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Bend Test (Tube)	IS 2329
117	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Breaking Load Test	ASTM E 8/E8M
118	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Breaking Load Test	IS 1608 (Part 1)
119	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Brinell Hardness Test (HBW 10/3000)	ASTM A370



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120	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Brinell Hardness Test (HBW 10/3000)	ASTM E10
121	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Brinell Hardness Test (HBW 10/3000)	IS 1500 (Part 1)
122	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Brinell Hardness Test (HBW 5/750)	ASTM A370
123	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Brinell Hardness Test (HBW 5/750)	ASTM E10
124	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Brinell Hardness Test (HBW 5/750)	IS 1500 (Part 1)
125	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Brinell Hardness Test (HBW 5/750)	ISO 6506 PART 1
126	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Drift Expansion Test	IS 2335
127	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Drift Expansion Test	ISO 8493
128	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Flattening	IS 2328
129	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Flattening	ISO 8492
130	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Impact Test- Charpy	IS 1757 (Part 1)
131	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Impact Test- Charpy	ISO 148 PART 1
132	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Micro Vickers Hardness Test (HV 0.2 kgf)	ASTM E384
133	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Micro Vickers Hardness Test (HV 0.2 kgf)	IS 1501 (Part 1)



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134	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Micro Vickers Hardness Test (HV 0.5 kgf)	ASTM E384
135	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Micro Vickers Hardness Test (HV 1 kgf)	ASTM E384
136	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Micro Vickers Hardness Test (HV 1 kgf)	IS 1501 (Part 1)
137	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Micro Vickers Hardness Test(HV 0.5 kgf)	IS 1501 (Part 1)
138	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Rockwell Hardness Test (HRC)	IS 1586 (Part 1)
139	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Rockwell Hardness Test (HRC)	ISO 6508-1
140	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Rockwell Hardness Test (HRC)	ASTM A370
141	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Rockwell Hardness Test (HRC)	ASTM E 18
142	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Tensile Strength	ASTM A370
143	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Tensile Strength	ASTM E 8/8M
144	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Tensile Strength	IS 1608 (Part 1)
145	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Vickers Hardness Test (5kgf)	ISO 6507-1
146	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Vickers Hardness Test (HV 10 kgf)	ASTM E92
147	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Vickers Hardness Test (HV 10 kgf)	IS 1501 (Part 1)



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148	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Vickers Hardness Test (HV 30 kgf)	ASTM E92
149	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Vickers Hardness Test (HV 30 kgf)	IS 1501 (Part 1)
150	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Vickers Hardness Test (HV 5 kgf)	ASTM E92
151	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Vickers Hardness Test (HV 5 kgf)	IS 1501 (Part 1)
152	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials	Yield Stress	ASTM A 370
153	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials	Yield Stress	ASTM E8 / E8M
154	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials	Yield Stress	IS 1608 (Part 1)
155	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Welded	Fracture test	API 1104
156	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Welded	Fracture test	ISO 9017
157	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Welded	Nick Break test	API 1104
158	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Welded	Nick Break test	ISO 9017
159	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Welded	Transverse Tensile Test	API 1104
160	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Impact Specimen	Welded Material	ISO 9016
161	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Material	Micro Vickers Hardness Test (HV 0.2 kgf)	ISO 6507-1



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162	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Material	Micro Vickers Hardness Test (HV 0.3 kgf)	ISO 6507-1
163	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Material	Micro Vickers Hardness Test (HV 1 kgf)	ISO 6507-1
164	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Material	Vickers Hardness Test (HV10 kgf)	ISO 6507-1
165	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Material	Vickers Hardness Test (HV30 kgf)	ISO 6507-1
166	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Material	Vickers Hardness Test (HV5 kgf)	ISO 6507-1
167	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	% of Elongation	ASTM E8/E8M
168	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	% of Elongation	IS 1608 (Part 1)
169	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	% Reduction Area	ASTM E8/E8M
170	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	% Reduction Area	IS 1608 (Part 1)
171	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Breaking Load Test	IS 1608 (Part 1)
172	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Brinell Hardness Test (HBW 10/3000)	ASTM E10
173	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Brinell Hardness Test (HBW 10/3000)	IS 1500 (Part 1)
174	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Brinell Hardness Test (HBW 5/750)	ASTM E10
175	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Brinell Hardness Test (HBW 5/750)	IS 1500 (Part 1)



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176	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Micro Vickers Hardness Test (HV 0.2 kgf)	ASTM E384
177	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Micro Vickers Hardness Test (HV 0.2 kgf)	IS 1501 (Part 1)
178	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Micro Vickers Hardness Test (HV 0.5 kgf)	ASTM E384
179	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Micro Vickers Hardness Test (HV 0.5 kgf)	IS 1501 (Part 1)
180	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Micro Vickers Hardness Test (HV 1 kgf)	ASTM E384
181	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Micro Vickers Hardness Test (HV 1 kgf)	IS 1501 (Part 1)
182	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Rockwell Hardness Test (HRBW)	ASTM E18
183	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Rockwell Hardness Test (HRBW)	IS 1586 (Part 1)
184	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Tensile Strength	ASTM E8/E8M
185	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Tensile Strength	IS 1608 (Part 1)
186	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Vickers Hardness Test (HV 10 kgf)	ASTM E92
187	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Vickers Hardness Test (HV 10 kgf)	IS 1501 (Part 1)
188	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Vickers Hardness Test (HV 30 kgf)	ASTM E92
189	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Vickers Hardness Test (HV 5 kgf)	ASTM E92



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190	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Vickers Hardness Test(HV 30 kgf)	IS 1501 (Part 1)
191	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Vickers Hardness Test(HV 5 kgf)	IS 1501 (Part 1)
192	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Yield Stress	ASTM E8/E8M
193	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Yield Stress	IS 1608 (Part 1)
194	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Fastners, Nuts, Bolts & Screws	Proof Load Test	ASTM A370
195	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Fastners, Nuts, Bolts & Screws	Proof Load Test	IS 1367 (Part 6)
196	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weldes & welded test specimens	Yield Strength	ASME Section IX (QW - 150)
197	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Specimens	Transverse Tensile on Weld	ISO 4136
198	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimen	Bend Test (Side, Face, Root)	AWS D 1.1
199	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimen	Elongation	ASME SEC II C
200	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimen	Impact Test-Charpy	ASME SEC II C
201	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimen	Macro Etch	AWS D 1.1
202	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimen	Macroscopic and Microscopic Examination of Weld	ISO 17639
203	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimen	Tensile Test	ASME SEC II C



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204	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimen	Yield Stress	ASME SEC II C
205	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	% Elongation	AWS D 1.1
206	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens	Bend Test (Face, Root & Side)	ASME Section IX (QW-160)
207	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens	Hardness Test	ISO 9015-1
208	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Impact Test	AWS D 1.1
209	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Micro Hardness Test on Weld (HV)	ISO 9015-2
210	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Reduction Area	ASME Section IX (QW - 150)
211	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens	Reduction Area	ISO 4136
212	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welds & Welded test Specimens	Transverse Bend on Weld	ISO 5173
213	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Transverse Tensile on Weld	ASME Section IX (QW-150)
214	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Transverse Tensile Test	AWS D 1.1
215	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens	Weld Impact Test	ISO 148 Part 1
216	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens	Yield Strength	ISO 4136
217	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Yield Stress Test	AWS D 1.1
218	MECHANICAL- METALLOGRAPHY TEST	Ferrous Material	Non metallic Inclusion	ISO 4967

This is annexure to 'Certificate of Accreditation' and does not require any signature.



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219	MECHANICAL-METALLOGRAPHY TEST	Electroplated coating	Coating thickness by Microscopic Method	IS 3203
220	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non Ferrous Materials and Products	Coating Thickness by Microscopic Method	ASTM B487
221	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non-Ferrous Materials & Products	Macro Structure Analysis	ASTM E 340
222	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material	Grain Size	ISO 643
223	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metal & Welded Test Specimens	Estimation of Austenitic Grain Size for Steels	IS 4748
224	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals	Flake Analysis	ASTM A247
225	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals	Flake Analysis	IS 7754 PART 1
226	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals	Nodularity Analysis	ASTM A247
227	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals	Nodularity Analysis	IS 7754 PART 1
228	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals & Welded test Specimens	Estimation of Austenitic grain size for steel	ASTM E112
229	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals & Welded test Specimens	Microscopic Examination of Microstructure	ASM Metals Handbook, Volume-09
230	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals & Welded test Specimens	Volume Fraction Analysis	ASTM E562
231	MECHANICAL-METALLOGRAPHY TEST	Metal & Oxide coatings	Coating Thickness by Microscopic Method	ASTM B487
232	MECHANICAL-METALLOGRAPHY TEST	Non Ferrous Metals & Welded Test Specimens	Estimation of grain size	ASTM E112
233	MECHANICAL-METALLOGRAPHY TEST	Non Ferrous Metals & Welded Test Specimens	Estimation of Grain Size	IS 4748
234	MECHANICAL-METALLOGRAPHY TEST	Non Ferrous Metals & Welded Test Specimens	Microscopic Examination for Microstructure	ASM Metals Handbook, Volume-09
235	MECHANICAL-METALLOGRAPHY TEST	Non Ferrous Metals & Welded Test Specimens	Volume Fraction Analysis	ASTM E562
236	MECHANICAL-METALLOGRAPHY TEST	Non-Ferrous Materials & Products	Macro Structure Analysis	ASTM E 340
237	MECHANICAL-METALLOGRAPHY TEST	Steel	Depth of Decarburized Layer	ASTM E1077
238	MECHANICAL-METALLOGRAPHY TEST	Steel	Depth of Decarburized Layer	IS 6396



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239	MECHANICAL-METALLOGRAPHY TEST	Steel	Effective Case depth by microscopic method	IS 6416 (Clause No.8 & Clause No 5)
240	MECHANICAL-METALLOGRAPHY TEST	Steel Products	Macroetch Testing	IS 13015
241	MECHANICAL-METALLOGRAPHY TEST	Steels	Determination of Non- metallic inclusion content by Microscopic method	ASTM E45, Method-A
242	MECHANICAL-METALLOGRAPHY TEST	Steels	Determination of Non-metallic inclusion content - Method A	IS 4163
243	MECHANICAL-METALLOGRAPHY TEST	Steels	Determination of Non-metallic inclusion content by Microscopic method	ASTM E45, Method-A
244	MECHANICAL-METALLOGRAPHY TEST	Welds & Welded Test Specimen	Microstructure Analysis	ISO 17639
245	MECHANICAL-METALLOGRAPHY TEST	Welds & welded test specimens	Macro & Micro structure Analysis	IS 3600 (Part 09)
246	MECHANICAL-METALLOGRAPHY TEST	Welds & welded test specimens	Macro Structure Analysis	ASME Section IX (QW -183,184)
247	MECHANICAL-METALLOGRAPHY TEST	Welds & Welded Test Specimens	Macro structure Analysis	ISO 17639
248	MECHANICAL-METALLOGRAPHY TEST	Welds & welded test specimens	Microstructure Analysis	IS 3600 (Part 9)



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Site Testing				
1	NON-DESTRUCTIVE-METAL & ALLOYS	Ferrous & Non Ferrous Welded Material	Visual testing of Fusion weld	ISO 17637
2	NON-DESTRUCTIVE-METAL & ALLOYS	Fusion Welded Butt Joints steel Plates	Radiography test by X-ray & Gamma (IR-192)	IS 1182
3	NON-DESTRUCTIVE-METAL & ALLOYS	Seamless & Welded Pipes, Tubes	Magnetic Particle Flaw Detection	IS 6752
4	NON-DESTRUCTIVE-METAL & ALLOYS	Structural welding for steel	Radiography test by X-ray & Gamma (IR-192)	AWS D1.1
5	NON-DESTRUCTIVE-METAL & ALLOYS	Welding/Forging/Brazing of Pressure vessel	Radiography test by X-ray & Gamma (IR-192)	ASME SECTION VIII
6	NON-DESTRUCTIVE-METAL & ALLOYS	Weldments	Radiography test by X-ray & Gamma (IR-192)	ASME SECTION IX
7	NON-DESTRUCTIVE-METAL & ALLOYS	Weldments & Metallic	Radiography test by X-ray	ASTM E1032
8	NON-DESTRUCTIVE-METAL & ALLOYS	Weldments & Metallic casting	Radiography test by X-ray & Gamma (IR-192)	ASME SEC V
9	NON-DESTRUCTIVE-METAL & ALLOYS	Angle/Beam Examination of Steel Plate	Ultrasonic Flaw detection, By A-Scan Contact method	ASTM A 577
10	NON-DESTRUCTIVE-METAL & ALLOYS	Austenitic Steel Forging	Ultrasonic Flaw detection, By A-Scan Contact method	ASTM A745
11	NON-DESTRUCTIVE-METAL & ALLOYS	Austentic Ferritic Stainless Steel Forgings	Ultrasonic Flaw detection	BS EN 10228-4
12	NON-DESTRUCTIVE-METAL & ALLOYS	Casting & Forgings	Magnetic Particle Yoke, Visible technique	IS 3703
13	NON-DESTRUCTIVE-METAL & ALLOYS	Casting & Forgings/ Weld/ Billets/ Blooms	Magnetic Particle Flaw Detection	ASTM E 709
14	NON-DESTRUCTIVE-METAL & ALLOYS	Casting & Forgings/Welds/Billets/Blooms	Magnetic Particle Flaw detection	ASME SEC V AR.25
15	NON-DESTRUCTIVE-METAL & ALLOYS	Casting, Low Alloy, carbon Steel	Ultrasonic Flaw detection, By A-Scan Contact method	IS 7666
16	NON-DESTRUCTIVE-METAL & ALLOYS	Casting, Low Alloy, Carbon Steel, Stainless Steel	Ultrasonic Flaw detection, By A-Scan Contact method	ASTM A609
17	NON-DESTRUCTIVE-METAL & ALLOYS	Ferrite & Martensitic Steel Forgings	Ultrasonic Flaw detection	BS EN 10228-3
18	NON-DESTRUCTIVE-METAL & ALLOYS	Ferritic Steel Forgings	Ultrasonic Flaw detection, By A-Scan Contact method	IS 8791
19	NON-DESTRUCTIVE-METAL & ALLOYS	Ferritic Steel of Butt Weld	Ultrasonic Flaw detection, By A-Scan Contact method	IS 4260



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20	NON-DESTRUCTIVE-METAL & ALLOYS	Ferro Magnetic Iron/Steel Casting	Magnetic Particle Testing	EN 1369
21	NON-DESTRUCTIVE-METAL & ALLOYS	Ferrous & Non Ferrous Material	Magnetic Particle Flaw Detection	IS 3703
22	NON-DESTRUCTIVE-METAL & ALLOYS	Ferrous & Non Ferrous Metals	Liquid penetrant test by solvent	ASTM E1220
23	NON-DESTRUCTIVE-METAL & ALLOYS	Ferrous & Non Ferrous Metals	Liquid penetrant test by solvent	ASTM E1417
24	NON-DESTRUCTIVE-METAL & ALLOYS	Ferrous & Non Ferrous Metals	Liquid penetrant test by solvent	ASTM E165
25	NON-DESTRUCTIVE-METAL & ALLOYS	Ferrous & Non Ferrous Metals	Liquid penetrant test by solvent	ISO 3452-1
26	NON-DESTRUCTIVE-METAL & ALLOYS	Ferrous Flat Steel Products	Ultrasonic Flaw detection, By A - Scan Contact Method	EN 10160
27	NON-DESTRUCTIVE-METAL & ALLOYS	Ferrous Welded Pipe & Tubular Products	Ultrasonic Flaw detection, By A-Scan Contact method	IS 7343
28	NON-DESTRUCTIVE-METAL & ALLOYS	Ferrous/ Non Ferrous Material	Radiography test by X-ray & Gamma (IR-192)	IS 2595
29	NON-DESTRUCTIVE-METAL & ALLOYS	Ferrous/Non Ferrous Material	Radiography Examination using Radiographic Film	ASTM E94
30	NON-DESTRUCTIVE-METAL & ALLOYS	Forgings	Ultrasonic Flaw detection, By A-Scan Contact method	ASTM A388
31	NON-DESTRUCTIVE-METAL & ALLOYS	Fusion Welded Joints/Metallic Tubes/Pipes/Pressure Vessel/Boiler Drums	Radiography test by X-ray & Gamma (IR-192)	ISO 17636-1
32	NON-DESTRUCTIVE-METAL & ALLOYS	Metallic casting	Radiography test by X-ray & Gamma (IR-192)	ASTM E1030
33	NON-DESTRUCTIVE-METAL & ALLOYS	Metallic Material	Ultrasonic Flaw detection, By A-Scan Contact method	ASTM E 587
34	NON-DESTRUCTIVE-METAL & ALLOYS	Metallic Material/ Weld Plates	Ultrasonic Flaw detection, By A-Scan Contact method	ASME SEC V AR. 4 & 5:
35	NON-DESTRUCTIVE-METAL & ALLOYS	Metallic Materials	Flaw Detection by A-Scan contact method (Thickness Measurement)	ASME SEC V
36	NON-DESTRUCTIVE-METAL & ALLOYS	Metallic Materials	Flaw Detection by A-Scan contact method (Thickness Measurement)	ASTM E797
37	NON-DESTRUCTIVE-METAL & ALLOYS	Metallic materials	Liquid penetrant test by solvent	IS 3658
38	NON-DESTRUCTIVE-METAL & ALLOYS	Metallic Materials	Ultrasonic Flaw detection, By A-Scan Contact method	ASTM E114



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39	NON-DESTRUCTIVE-METAL & ALLOYS	Metallic Materials	Ultrasonic Flaw detection, By A-Scan Contact method	IS 3664
40	NON-DESTRUCTIVE-METAL & ALLOYS	Metallic Materials/ Welds	Magnetic Particle Yoke, Visible technique	IS 5334
41	NON-DESTRUCTIVE-METAL & ALLOYS	Metallic Materials/ Welds	Ultrasonic Flaw detection, By A-Scan Contact method	ASME SEC V
42	NON-DESTRUCTIVE-METAL & ALLOYS	Pipe & Tube Product	Ultrasonic Flaw detection, By A-Scan Contact method	ASTM E 213
43	NON-DESTRUCTIVE-METAL & ALLOYS	Plain carbon & Low Alloy Forgings Steel Blooms	Ultrasonic Flaw detection, By A-Scan Contact method	IS 11626
44	NON-DESTRUCTIVE-METAL & ALLOYS	Plate	Ultrasonic Flaw detection, By A-Scan Contact method	ASTM A 435
45	NON-DESTRUCTIVE-METAL & ALLOYS	Plate	Ultrasonic Flaw detection, By A-Scan Contact method	EN 10160
46	NON-DESTRUCTIVE-METAL & ALLOYS	Rolled Steel Plates	Ultrasonic Flaw detection, By A-Scan Contact method	ASTM A 578
47	NON-DESTRUCTIVE-METAL & ALLOYS	Seamless Metal Pipe & Tube Products	Ultrasonic Flaw detection, By A-Scan Contact method	IS 6394
48	NON-DESTRUCTIVE-METAL & ALLOYS	Steel Casting	Ultrasonic Flaw detection, By A-Scan Contact method	BS EN 12680-1
49	NON-DESTRUCTIVE-METAL & ALLOYS	Steel Forging	Liquid Penetrant Test (By solvent)	BS EN 10228-2
50	NON-DESTRUCTIVE-METAL & ALLOYS	Steel Forging	Magnetic Particle Test	BS EN 10228-1
51	NON-DESTRUCTIVE-METAL & ALLOYS	Steel Forgings	Magnetic Particle Flaw Detection	IS 7743
52	NON-DESTRUCTIVE-METAL & ALLOYS	Steel Forgings	Magnetic Particle Yoke, Visible technique	ASTM A275
53	NON-DESTRUCTIVE-METAL & ALLOYS	Steel Plate for Pressure Vessel	Ultrasonic Flaw detection, By A-Scan Contact method	IS 11630
54	NON-DESTRUCTIVE-METAL & ALLOYS	Straight Beam Steel Plate	Ultrasonic Flaw detection, By A-Scan Contact method	IS 4225
55	NON-DESTRUCTIVE-METAL & ALLOYS	Structural Welds	Ultrasonic Test	AWS D1.1
56	NON-DESTRUCTIVE-METAL & ALLOYS	Weld & Welded product	Magnetic Particle Yoke, Visible technique	ISO 17638
57	NON-DESTRUCTIVE-METAL & ALLOYS	Weld & Welded Products	Ultrasonic Flaw detection, By A-Scan Contact method	ISO 17640
58	NON-DESTRUCTIVE-METAL & ALLOYS	Welded Butt Joints/ Steel Pipes	Radiography test by X-ray & Gamma (IR-192)	IS 4853



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59	NON-DESTRUCTIVE-METAL & ALLOYS	Welded Pipe	Ultrasonic test Flaw detection by A scan Contact method	API 1104
60	NON-DESTRUCTIVE-METAL & ALLOYS	Welded Pipes & Tubes Product	Ultrasonic Flaw detection, By A-Scan Contact method	ASTM E 273
61	NON-DESTRUCTIVE-METAL & ALLOYS	Welding of piping	Radiography test by X-ray & Gamma (IR-192)	API 1104
62	NON-DESTRUCTIVE-METAL & ALLOYS	Weldments Ferrous & Non Ferrous	Ultrasonic Flaw detection, By A-Scan Contact method	ASTM E164
63	NON-DESTRUCTIVE-METAL & ALLOYS	Wrought Metal	Ultrasonic Flaw detection, By A-Scan Contact method	ASTM E 2375



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Permanent Site Facility				
1	NON-DESTRUCTIVE-METAL & ALLOYS	Ferrous & Non Ferrous Welded Material	Visual testing of Fusion weld	ISO 17637
2	NON-DESTRUCTIVE-METAL & ALLOYS	Seamless & Welded Pipes, Tubes	Magnetic Particle Flaw Detection	IS 6752
3	NON-DESTRUCTIVE-METAL & ALLOYS	Angle/Beam Examination of Steel Plate	Ultrasonic Flaw detection, By A-Scan Contact method	ASTM A 577
4	NON-DESTRUCTIVE-METAL & ALLOYS	Austenitic Steel Forging	Ultrasonic Flaw detection, By A-Scan Contact method	ASTM A745
5	NON-DESTRUCTIVE-METAL & ALLOYS	Austentic Ferritic Stainless Steel Forgings	Ultrasonic Flaw detection	BS EN 10228-4
6	NON-DESTRUCTIVE-METAL & ALLOYS	Casting & Forgings	Magnetic Particle Yoke, Visible technique	IS 3703
7	NON-DESTRUCTIVE-METAL & ALLOYS	Casting & Forgings/ Weld/ Billets/ Blooms	Magnetic Particle Flaw Detection	ASTM E 709
8	NON-DESTRUCTIVE-METAL & ALLOYS	Casting & Forgings/Welds/Billets/Blooms	Magnetic Particle Flaw detection	ASME SEC V AR.25
9	NON-DESTRUCTIVE-METAL & ALLOYS	Casting, Low Alloy, carbon Steel	Ultrasonic Flaw detection, By A-Scan Contact method	IS 7666
10	NON-DESTRUCTIVE-METAL & ALLOYS	Casting, Low Alloy, Carbon Steel, Stainless Steel	Ultrasonic Flaw detection, By A-Scan Contact method	ASTM A609
11	NON-DESTRUCTIVE-METAL & ALLOYS	Ferrite & Martensitic Steel Forgings	Ultrasonic Flaw detection	BS EN 10228-3
12	NON-DESTRUCTIVE-METAL & ALLOYS	Ferritic Steel Forgings	Ultrasonic Flaw detection, By A-Scan Contact method	IS 8791
13	NON-DESTRUCTIVE-METAL & ALLOYS	Ferritic Steel of Butt Weld	Ultrasonic Flaw detection, By A-Scan Contact method	IS 4260
14	NON-DESTRUCTIVE-METAL & ALLOYS	Ferro Magnetic Iron/Steel Casting	Magnetic Particle Testing	EN 1369
15	NON-DESTRUCTIVE-METAL & ALLOYS	Ferrous & Non Ferrous Material	Magnetic Particle Flaw Detection	IS 3703
16	NON-DESTRUCTIVE-METAL & ALLOYS	Ferrous & Non Ferrous Metals	Liquid penetrant test by solvent	ASTM E1220
17	NON-DESTRUCTIVE-METAL & ALLOYS	Ferrous & Non Ferrous Metals	Liquid penetrant test by solvent	ASTM E1417
18	NON-DESTRUCTIVE-METAL & ALLOYS	Ferrous & Non Ferrous Metals	Liquid penetrant test by solvent	ASTM E165
19	NON-DESTRUCTIVE-METAL & ALLOYS	Ferrous & Non Ferrous Metals	Liquid penetrant test by solvent	ISO 3452-1



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Accreditation Standard ISO/IEC 17025:2017

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Validity 11/09/2024 to 10/09/2026 **Last Amended on** 10/01/2025

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
20	NON-DESTRUCTIVE-METAL & ALLOYS	Ferrous Flat Steel Products	Ultrasonic Flaw detection, By A - Scan Contact Method	EN 10160
21	NON-DESTRUCTIVE-METAL & ALLOYS	Ferrous Welded Pipe & Tubular Products	Ultrasonic Flaw detection, By A-Scan Contact method	IS 7343
22	NON-DESTRUCTIVE-METAL & ALLOYS	Forgings	Ultrasonic Flaw detection, By A-Scan Contact method	ASTM A388
23	NON-DESTRUCTIVE-METAL & ALLOYS	Metallic Material	Ultrasonic Flaw detection, By A-Scan Contact method	ASTM E 587
24	NON-DESTRUCTIVE-METAL & ALLOYS	Metallic Material/ Weld Plates	Ultrasonic Flaw detection, By A-Scan Contact method	ASME SEC V AR. 4 & 5:
25	NON-DESTRUCTIVE-METAL & ALLOYS	Metallic Materials	Flaw Detection by A-Scan contact method (Thickness Measurement)	ASME SEC V
26	NON-DESTRUCTIVE-METAL & ALLOYS	Metallic Materials	Flaw Detection by A-Scan contact method (Thickness Measurement)	ASTM E797
27	NON-DESTRUCTIVE-METAL & ALLOYS	Metallic materials	Liquid penetrant test by solvent	IS 3658
28	NON-DESTRUCTIVE-METAL & ALLOYS	Metallic Materials	Ultrasonic Flaw detection, By A-Scan Contact method	ASTM E114
29	NON-DESTRUCTIVE-METAL & ALLOYS	Metallic Materials	Ultrasonic Flaw detection, By A-Scan Contact method	IS 3664
30	NON-DESTRUCTIVE-METAL & ALLOYS	Metallic Materials/ Welds	Magnetic Particle Yoke, Visible technique	IS 5334
31	NON-DESTRUCTIVE-METAL & ALLOYS	Metallic Materials/ Welds	Ultrasonic Flaw detection, By A-Scan Contact method	ASME SEC V
32	NON-DESTRUCTIVE-METAL & ALLOYS	Pipe & Tube Product	Ultrasonic Flaw detection, By A-Scan Contact method	ASTM E 213
33	NON-DESTRUCTIVE-METAL & ALLOYS	Plain carbon & Low Alloy Forgings Steel Blooms	Ultrasonic Flaw detection, By A-Scan Contact method	IS 11626
34	NON-DESTRUCTIVE-METAL & ALLOYS	Plate	Ultrasonic Flaw detection, By A-Scan Contact method	ASTM A 435
35	NON-DESTRUCTIVE-METAL & ALLOYS	Plate	Ultrasonic Flaw detection, By A-Scan Contact method	EN 10160
36	NON-DESTRUCTIVE-METAL & ALLOYS	Rolled Steel Plates	Ultrasonic Flaw detection, By A-Scan Contact method	ASTM A 578
37	NON-DESTRUCTIVE-METAL & ALLOYS	Seamless Metal Pipe & Tube Products	Ultrasonic Flaw detection, By A-Scan Contact method	IS 6394
38	NON-DESTRUCTIVE-METAL & ALLOYS	Steel Casting	Ultrasonic Flaw detection, By A-Scan Contact method	BS EN 12680-1



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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
39	NON-DESTRUCTIVE-METAL & ALLOYS	Steel Forging	Liquid Penetrant Test (By solvent)	BS EN 10228-2
40	NON-DESTRUCTIVE-METAL & ALLOYS	Steel Forging	Magnetic Particle Test	BS EN 10228-1
41	NON-DESTRUCTIVE-METAL & ALLOYS	Steel Forgings	Magnetic Particle Flaw Detection	IS 7743
42	NON-DESTRUCTIVE-METAL & ALLOYS	Steel Forgings	Magnetic Particle Yoke, Visible technique	ASTM A275
43	NON-DESTRUCTIVE-METAL & ALLOYS	Steel Plate for Pressure Vessel	Ultrasonic Flaw detection, By A-Scan Contact method	IS 11630
44	NON-DESTRUCTIVE-METAL & ALLOYS	Straight Beam Steel Plate	Ultrasonic Flaw detection, By A-Scan Contact method	IS 4225
45	NON-DESTRUCTIVE-METAL & ALLOYS	Structural Welds	Ultrasonic Test	AWS D1.1
46	NON-DESTRUCTIVE-METAL & ALLOYS	Weld & Welded product	Magnetic Particle Yoke, Visible technique	ISO 17638
47	NON-DESTRUCTIVE-METAL & ALLOYS	Weld & Welded Products	Ultrasonic Flaw detection, By A-Scan Contact method	ISO 17640
48	NON-DESTRUCTIVE-METAL & ALLOYS	Welded Pipe	Ultrasonic test Flaw detection by A scan Contact method	API 1104
49	NON-DESTRUCTIVE-METAL & ALLOYS	Welded Pipes & Tubes Product	Ultrasonic Flaw detection, By A-Scan Contact method	ASTM E 273
50	NON-DESTRUCTIVE-METAL & ALLOYS	Weldments Ferrous & Non Ferrous	Ultrasonic Flaw detection, By A-Scan Contact method	ASTM E164
51	NON-DESTRUCTIVE-METAL & ALLOYS	Wrought Metal	Ultrasonic Flaw detection, By A-Scan Contact method	ASTM E 2375