National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : IRC INDUSTRIAL RESEARCH & CONSULTANCY PVT. LTD., HOWRAH AMTA ROAD, BALTIKURI BAZAR, HOWRAH, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

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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
Permanent Facility				
1	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Base Alloys	Chromium	ASTM E1251
2	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Base Alloys	Copper	ASTM E1251
3	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Base Alloys	Iron	ASTM E1251
4	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Base Alloys	Magnesium	ASTM E1251
5	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Base Alloys	Manganese	ASTM E1251
6	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Base Alloys	Nickel	ASTM E1251
7	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Base Alloys	Silicon	ASTM E1251
8	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Base Alloys	Zinc	ASTM E1251
9	CHEMICAL- METALS & ALLOYS	Aluminium and Aluminium-Base Alloys	Chromium	IS 504(Part-8)
10	CHEMICAL- METALS & ALLOYS	Aluminium and Aluminium-Base Alloys	Copper	IS 504 (Part-3)
11	CHEMICAL- METALS & ALLOYS	Aluminium and Aluminium-Base Alloys	Magnesium	SOP No: IRC/TM/AL/01, Issue No: 04, August 04
12	CHEMICAL- METALS & ALLOYS	Aluminium and Aluminium-Base Alloys	Manganese	IS 504 (Part-5)
13	CHEMICAL- METALS & ALLOYS	Aluminium and Aluminium-Base Alloys	Silicon	IS 504 (Part-1)
14	CHEMICAL- METALS & ALLOYS	Aluminium and Aluminium-Base Alloys	Zinc	IS 504 (Part-4)
15	CHEMICAL- METALS & ALLOYS	Cast Iron, Pig Iron & S.G Iron	Carbon	IS 12308 (Part -11)
16	CHEMICAL- METALS & ALLOYS	Cast Iron, Pig Iron & S.G Iron	Chromium	IS 12308 (Part-8)
17	CHEMICAL- METALS & ALLOYS	Cast Iron, Pig Iron & S.G Iron	Manganese	IS 12308 (Part-10)
18	CHEMICAL- METALS & ALLOYS	Cast Iron, Pig Iron & S.G Iron	Nickel	IS 12308 (Part 7)

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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
19	CHEMICAL- METALS & ALLOYS	Cast Iron, Pig Iron & S.G Iron	Phosphorus	IS 12308 (Part-5)
20	CHEMICAL- METALS & ALLOYS	Cast Iron, Pig Iron & S.G Iron	Silicon	IS 12308 (Part 6)
21	CHEMICAL- METALS & ALLOYS	Cast Iron, Pig Iron & S.G Iron	Sulphur	IS 12308 (Part-2)
22	CHEMICAL- METALS & ALLOYS	Copper and Copper base Alloys	Aluminium	BS EN 15079
23	CHEMICAL- METALS & ALLOYS	Copper and Copper base Alloys	Antimony	BS EN 15079
24	CHEMICAL- METALS & ALLOYS	Copper and Copper base Alloys	Arsenic	BS EN 15079
25	CHEMICAL- METALS & ALLOYS	Copper and Copper base Alloys	Bismuth	BS EN 15079
26	CHEMICAL- METALS & ALLOYS	Copper and Copper base Alloys	Chromium	BS EN 15079
27	CHEMICAL- METALS & ALLOYS	Copper and Copper base Alloys	Iron	BS EN 15079
28	CHEMICAL- METALS & ALLOYS	Copper and Copper base Alloys	Lead	BS EN 15079
29	CHEMICAL- METALS & ALLOYS	Copper and Copper base Alloys	Manganese	BS EN 15079
30	CHEMICAL- METALS & ALLOYS	Copper and Copper base Alloys	Nickel	BS EN 15079
31	CHEMICAL- METALS & ALLOYS	Copper and Copper base Alloys	Phosphorus	BS EN 15079
32	CHEMICAL- METALS & ALLOYS	Copper and Copper base Alloys	Silicon	BS EN 15079
33	CHEMICAL- METALS & ALLOYS	Copper and Copper base Alloys	Silver	BS EN 15079
34	CHEMICAL- METALS & ALLOYS	Copper and Copper base Alloys	Tin	BS EN 15079
35	CHEMICAL- METALS & ALLOYS	Copper and Copper base Alloys	Zinc	BS EN 15079
36	CHEMICAL- METALS & ALLOYS	Copper and Copper-base alloys	Copper	IS 3187
37	CHEMICAL- METALS & ALLOYS	Copper and Copper-base alloys	Copper	IS 3685

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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
38	CHEMICAL- METALS & ALLOYS	Copper and Copper-base alloys	Copper	IS 4027 (Part-1)
39	CHEMICAL- METALS & ALLOYS	Copper and Copper-base alloys	Copper	IS 440
40	CHEMICAL- METALS & ALLOYS	Copper and Copper-base alloys	Iron	IS 3187
41	CHEMICAL- METALS & ALLOYS	Copper and Copper-base alloys	Iron	IS 3685
42	CHEMICAL- METALS & ALLOYS	Copper and Copper-base alloys	Iron	IS 4027 (Part-8)
43	CHEMICAL- METALS & ALLOYS	Copper and Copper-base alloys	Iron	IS 440
44	CHEMICAL- METALS & ALLOYS	Copper and Copper-base alloys	Lead	IS 3187
45	CHEMICAL- METALS & ALLOYS	Copper and Copper-base alloys	Lead	IS 3685
46	CHEMICAL- METALS & ALLOYS	Copper and Copper-base alloys	Lead	IS 4027 (Part-1)
47	CHEMICAL- METALS & ALLOYS	Copper and Copper-base alloys	Lead	IS 440
48	CHEMICAL- METALS & ALLOYS	Copper and Copper-base alloys	Manganese	IS 3187
49	CHEMICAL- METALS & ALLOYS	Copper and Copper-base alloys	Manganese	IS 3685
50	CHEMICAL- METALS & ALLOYS	Copper and Copper-base alloys	Manganese	IS 4027 (Part-2)
51	CHEMICAL- METALS & ALLOYS	Copper and Copper-base alloys	Nickel	IS 3187
52	CHEMICAL- METALS & ALLOYS	Copper and Copper-base alloys	Nickel	IS 3685
53	CHEMICAL- METALS & ALLOYS	Copper and Copper-base alloys	Nickel	IS 4027 (Part-4)
54	CHEMICAL- METALS & ALLOYS	Copper and Copper-base alloys	Nickel	IS 440
55	CHEMICAL- METALS & ALLOYS	Copper and Copper-base alloys	Phosphorus	IS 4027 (Part-3)
56	CHEMICAL- METALS & ALLOYS	Copper and Copper-base alloys	Phosphorus	IS 440

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57	CHEMICAL- METALS & ALLOYS	Copper and Copper-base alloys	Silicon	IS 3685
58	CHEMICAL- METALS & ALLOYS	Copper and Copper-base alloys	Silicon	IS 4027 (Part-10)
59	CHEMICAL- METALS & ALLOYS	Copper and Copper-base alloys	Tin	IS 3685
60	CHEMICAL- METALS & ALLOYS	Copper and Copper-base alloys	Tin	IS 4027 (Part-5)
61	CHEMICAL- METALS & ALLOYS	Copper and Copper-base alloys	Zinc	IS 3187
62	CHEMICAL- METALS & ALLOYS	Copper and Copper-base alloys	Zinc	IS 3685
63	CHEMICAL- METALS & ALLOYS	Copper and Copper-base alloys	Zinc	IS 4027 (Part-6)
64	CHEMICAL- METALS & ALLOYS	Cr-CrNi Steels (Stainless Steel)	Carbon	ASTM E1086
65	CHEMICAL- METALS & ALLOYS	Cr-CrNi Steels (Stainless Steel)	Carbon	IS 9879
66	CHEMICAL- METALS & ALLOYS	Cr-CrNi Steels (Stainless Steel)	Chromium	ASTM E1086
67	CHEMICAL- METALS & ALLOYS	Cr-CrNi Steels (Stainless Steel)	Chromium	IS 9879
68	CHEMICAL- METALS & ALLOYS	Cr-CrNi Steels (Stainless Steel)	Copper	ASTM E1086
69	CHEMICAL- METALS & ALLOYS	Cr-CrNi Steels (Stainless Steel)	Copper	IS 9879
70	CHEMICAL- METALS & ALLOYS	Cr-CrNi Steels (Stainless Steel)	Manganese	ASTM E1086
71	CHEMICAL- METALS & ALLOYS	Cr-CrNi Steels (Stainless Steel)	Manganese	IS 9879
72	CHEMICAL- METALS & ALLOYS	Cr-CrNi Steels (Stainless Steel)	Molybdenum	ASTM E1086
73	CHEMICAL- METALS & ALLOYS	Cr-CrNi Steels (Stainless Steel)	Molybdenum	IS 9879
74	CHEMICAL- METALS & ALLOYS	Cr-CrNi Steels (Stainless Steel)	Nickel	ASTM E1086
75	CHEMICAL- METALS & ALLOYS	Cr-CrNi Steels (Stainless Steel)	Nickel	IS 9879

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76	CHEMICAL- METALS & ALLOYS	Cr-CrNi Steels (Stainless Steel)	Phosphorus	ASTM E1086
77	CHEMICAL- METALS & ALLOYS	Cr-CrNi Steels (Stainless Steel)	Phosphorus	IS 9879
78	CHEMICAL- METALS & ALLOYS	Cr-CrNi Steels (Stainless Steel)	Silicon	ASTM E1086
79	CHEMICAL- METALS & ALLOYS	Cr-CrNi Steels (Stainless Steel)	Silicon	IS 9879
80	CHEMICAL- METALS & ALLOYS	Cr-CrNi Steels (Stainless Steel)	Sulphur	ASTM E1086
81	CHEMICAL- METALS & ALLOYS	Cr-CrNi Steels (Stainless Steel)	Sulphur	IS 9879
82	CHEMICAL- METALS & ALLOYS	Cr-CrNi Steels (Stainless Steel)	Titanium	IS 9879
83	CHEMICAL- METALS & ALLOYS	Plain carbon & Low alloy steel	Aluminium	ASTM E415
84	CHEMICAL- METALS & ALLOYS	Plain carbon & Low alloy steel	Aluminium	IS 8811
85	CHEMICAL- METALS & ALLOYS	Plain carbon & Low alloy steel	Carbon	ASTM E415
86	CHEMICAL- METALS & ALLOYS	Plain carbon & Low alloy steel	Carbon	IS 228 (Part-1)
87	CHEMICAL- METALS & ALLOYS	Plain carbon & Low alloy steel	Carbon	IS 8811
88	CHEMICAL- METALS & ALLOYS	Plain carbon & Low alloy steel	Chromium	ASTM E415
89	CHEMICAL- METALS & ALLOYS	Plain carbon & Low alloy steel	Chromium	IS 228 (Part-6)
90	CHEMICAL- METALS & ALLOYS	Plain carbon & Low alloy steel	Chromium	IS 8811
91	CHEMICAL- METALS & ALLOYS	Plain carbon & Low alloy steel	Cobalt	ASTM E415
92	CHEMICAL- METALS & ALLOYS	Plain carbon & Low alloy steel	Cobalt	IS 8811
93	CHEMICAL- METALS & ALLOYS	Plain carbon & Low alloy steel	Copper	ASTM E415
94	CHEMICAL- METALS & ALLOYS	Plain carbon & Low alloy steel	Copper	IS 228 (Part-15)

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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
95	CHEMICAL- METALS & ALLOYS	Plain carbon & Low alloy steel	Copper	IS 8811
96	CHEMICAL- METALS & ALLOYS	Plain carbon & Low alloy steel	Manganese	ASTM E415
97	CHEMICAL- METALS & ALLOYS	Plain carbon & Low alloy steel	Manganese	IS 8811
98	CHEMICAL- METALS & ALLOYS	Plain carbon & Low alloy steel	Manganese for carbon steel and high Manganese steel	IS 228 (Part-2)
99	CHEMICAL- METALS & ALLOYS	Plain carbon & Low alloy steel	Molybdenum	ASTM E415
100	CHEMICAL- METALS & ALLOYS	Plain carbon & Low alloy steel	Molybdenum	IS 228 (Part-7)
101	CHEMICAL- METALS & ALLOYS	Plain carbon & Low alloy steel	Molybdenum	IS 8811
102	CHEMICAL- METALS & ALLOYS	Plain carbon & Low alloy steel	Nickel	ASTM E415
103	CHEMICAL- METALS & ALLOYS	Plain carbon & Low alloy steel	Nickel	IS 228 (Part-5)
104	CHEMICAL- METALS & ALLOYS	Plain carbon & Low alloy steel	Nickel	IS 8811
105	CHEMICAL- METALS & ALLOYS	Plain carbon & Low alloy steel	Niobium	ASTM E415
106	CHEMICAL- METALS & ALLOYS	Plain carbon & Low alloy steel	Niobium	IS 8811
107	CHEMICAL- METALS & ALLOYS	Plain carbon & Low alloy steel	Phosphorus	ASTM E415
108	CHEMICAL- METALS & ALLOYS	Plain carbon & Low alloy steel	Phosphorus	IS 228 (Part-3)
109	CHEMICAL- METALS & ALLOYS	Plain carbon & Low alloy steel	Phosphorus	IS 8811
110	CHEMICAL- METALS & ALLOYS	Plain carbon & Low alloy steel	Silicon	ASTM E415
111	CHEMICAL- METALS & ALLOYS	Plain carbon & Low alloy steel	Silicon	IS 228 (Part-8)
112	CHEMICAL- METALS & ALLOYS	Plain carbon & Low alloy steel	Silicon	IS 8811
113	CHEMICAL- METALS & ALLOYS	Plain carbon & Low alloy steel	Sulphur	ASTM E415

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114	CHEMICAL- METALS & ALLOYS	Plain carbon & Low alloy steel	Sulphur	IS 8811
115	CHEMICAL- METALS & ALLOYS	Plain carbon & Low alloy steel	Sulphur for carbon steel and Low alloy steel	IS 228 (Part-9)
116	CHEMICAL- METALS & ALLOYS	Plain carbon & Low alloy steel	Vanadium	IS 8811
117	CHEMICAL- METALS & ALLOYS	White metal Lead base	Antimony	IS 1409
118	CHEMICAL- METALS & ALLOYS	White metal Lead base	Arsenic	IS 1409
119	CHEMICAL- METALS & ALLOYS	White metal Lead base	Copper	IS 1409
120	CHEMICAL- METALS & ALLOYS	White metal Lead base	Lead	IS 1409
121	CHEMICAL- METALS & ALLOYS	White metal Lead base	Tin	IS 1409
122	CHEMICAL- METALS & ALLOYS	White metal Tin base	Antimony	IS 1409
123	CHEMICAL- METALS & ALLOYS	White metal Tin base	Arsenic	IS 1409
124	CHEMICAL- METALS & ALLOYS	White metal Tin base	Copper	IS 1409
125	CHEMICAL- METALS & ALLOYS	White metal Tin base	Lead	IS 1409
126	CHEMICAL- METALS & ALLOYS	White metal Tin base	Tin	IS 1409
127	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Deformed steel Bars	% Elongation	IS 1786
128	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Deformed steel bars	Bend Test	IS 1786
129	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Deformed steel bars	Mass per Meter Run	IS 1786
130	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Deformed steel bars	Rib-area	IS 1786

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131	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Bolts	Head Soundness test	IS 1367 (Part-3)
132	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Bolts	Tensile Test of Bolts	IS 1367 (Part-3)
133	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous material	Shear Test	IS 5242
134	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	% Elongation	ASTM A370
135	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	% Elongation	ASTM E8-E8M
136	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	% Elongation	BS EN ISO 6892-1
137	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	% Elongation	IS 1608 (Part-1)
138	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	% R.A	ASTM A370
139	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	% R.A	ASTM E8-E8M
140	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	% R.A	BS EN ISO 6892-1
141	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	% R.A	IS 1608 (Part-1)
142	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	0.2% Proof Stress	ASTM A370
143	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	0.2% Proof Stress	ASTM E8-E8M
144	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	0.2% Proof Stress	BS EN ISO 6892-1

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145	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	0.2% Proof Stress	IS 1608 (Part-1)
146	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	0.5% Proof Stress	ASTM A370
147	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	0.5% Proof Stress	ASTM E8-E8M
148	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	0.5% Proof Stress	BS EN ISO 6892-1
149	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	0.5% Proof Stress	IS 1608 (Part-1)
150	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Bend Test	ASTM A370
151	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Bend Test	IS 1599
152	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Brinell Hardness Test	ASTM A370
153	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Brinell Hardness Test	ASTM E10
154	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Brinell Hardness Test	IS 1500 (Part-1)
155	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Brinell Hardness Test	ISO 6506-1
156	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Impact Test -Charpy (0 Degree to Room temperature)	IS 1757 (Part-1)
157	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Impact Test-Izod (Room Temperature)	IS 1598
158	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Rockwell Hardness Test (HRA)	ASTM A370

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159	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Rockwell Hardness Test (HRA)	ASTM E18
160	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Rockwell Hardness Test (HRA)	IS 1586 Part-1
161	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Rockwell Hardness Test (HRBW)	ASTM A370
162	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Rockwell Hardness Test (HRBW)	ASTM E18
163	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Rockwell Hardness Test (HRBW)	IS 1586 Part-1
164	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Rockwell Hardness Test (HRC)	ASTM A370
165	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Rockwell Hardness Test (HRC)	ASTM E18
166	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Rockwell Hardness Test (HRC)	IS 1586 Part-1
167	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Tensile Strength	ASTM A370
168	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Tensile Strength	ASTM A370
169	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Tensile Strength	ASTM E8-E8M
170	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Tensile Strength	ASTM E8-E8M
171	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Tensile Strength	BS EN ISO 6892-1
172	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Tensile Strength	BS EN ISO 6892-1

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173	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Tensile Strength	IS 1608 (Part-1)
174	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Tensile Strength	IS 1608 (Part-1)
175	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Twist Test	IS 3063
176	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Y.S	ASTM A370
177	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Y.S	ASTM A370
178	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Y.S	ASTM E8-E8M
179	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Y.S	ASTM E8/E8M
180	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Y.S	BS EN ISO 6892-1
181	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Y.S	BS EN ISO 6892-1
182	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Y.S	IS 1608 Part-1
183	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Y.S	IS 1608 Part-1
184	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials(Spring lock washers)	Permanent Set Test	IS 3063
185	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Rivets	Head Soundness test	IS 10102
186	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Tube & Tube Fittings	Drift Expansion Test	IS 1239 (Part-2)

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187	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Tube & Tube Fittings	Drift Expansion Test	IS 2335
188	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Tube & Tube Fittings	Drift Expansion Test	ISO 8493
189	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Tubes	Flattening Test	ASTM A370
190	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Tubes	Flattening Test	ASTM A450
191	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Tubes	Flattening Test	ASTM A530
192	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Tubes	Flattening Test	IS 2328
193	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Tubes	Flattening Test	ISO 8492
194	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Welded test coupon	Bend Test	ASME Sec-IX
195	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Welded test coupon	Bend Test	AWS:D 1.1
196	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Welded test coupon	Bend Test	IS 2825
197	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Welded test coupon	Bend Test	IS 7307 (Part-1)
198	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Welded test coupon	Bend Test	IS 7310 (Part-1)
199	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Welded test coupon	Fracture Test	ASME Sec-IX
200	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Welded test coupon	Fracture Test	AWS:D 1.1

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201	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Welded test coupon	Fracture Test	IS 2825
202	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Welded test coupon	Fracture Test	IS 7307 (Part-1)
203	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Welded test coupon	Fracture Test	IS 7310 (Part-1)
204	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Welded test coupon	Macro Examination	ASME Sec-IX
205	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Welded test coupon	Macro Examination	AWS:D 1.1
206	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Welded test coupon	Macro Examination	IS 2825
207	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Welded test coupon	Macro Examination	IS 7307 (Part-1)
208	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Welded test coupon	Macro Examination	IS 7310 (Part-1)
209	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Welded test coupon	Nick Break Test	IS 2825
210	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Welded test coupon	Tensile Test	ASME Sec-IX
211	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Welded test coupon	Tensile Test	AWS:D 1.1
212	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Welded test coupon	Tensile Test	IS 2825
213	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Welded test coupon	Tensile Test	IS 7307 (Part-1)
214	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hot dip Galvanizing of Iron and Steel Products	Adhesion Test	IS 2629

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215	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hot dip Galvanizing of Iron and Steel Products	Mass of Zinc coating	IS 2629
216	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hot dip Galvanizing of Iron and Steel Products	Uniformity of coating	IS 2629
217	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	% Elongation	ASTM E8-E8M
218	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	% Elongation	BS EN ISO 6892-1
219	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	% Elongation	IS 1608 (Part-1)
220	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	% R.A	ASTM E8-E8M
221	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	% R.A	BS EN ISO 6892-1
222	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	% R.A	IS 1608 (Part-1)
223	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	0.2% Proof Stress	ASTM E8-E8M
224	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	0.2% Proof Stress	BS EN ISO 6892-1
225	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	0.2% Proof Stress	IS 1608 (Part-1)
226	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	0.5% Proof Stress	ASTM E8-E8M
227	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	0.5% Proof Stress	BS EN ISO 6892-1
228	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	0.5% Proof Stress	IS 1608 (Part-1)

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229	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Brinell Hardness Test	ASTM E10
230	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Brinell Hardness Test	IS 1500 (Part-1)
231	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Brinell Hardness Test	ISO 6506-1
232	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Rockwell Hardness Test (HRBW)	IS 1586 Part-1
233	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Rockwell Hardness Test (HRA)	ASTM E18
234	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Rockwell Hardness Test (HRA)	IS 1586 Part-1
235	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Rockwell Hardness Test (HRBW)	ASTM E18
236	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Tensile Strength	ASTM E8-E8M
237	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Tensile Strength	ASTM E8-E8M
238	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Tensile Strength	BS EN ISO 6892-1
239	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Tensile Strength	BS EN ISO 6892-1
240	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Tensile Strength	IS 1608 (Part-1)
241	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Tensile Strength	IS 1608 (Part-1)
242	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Y.S	ASTM E8-E8M

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243	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Y.S	BS EN ISO 6892-1
244	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Y.S	IS 1608 (Part-1)
245	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Tube & Tube fittings	Drift Expansion Test	IS 2335
246	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Tube & Tube fittings	Drift Expansion Test	ISO 8493
247	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Tubes	Flattening Test	IS 2328
248	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Tubes	Flattening Test	ISO 8492
249	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous tubes-Copper	Doubling over test	IS 2501
250	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Rolled Steel Products	Nominal Dimensions Weight /Meter (Mass) Sectional Area	IS 1730
251	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Rolled Steel Products	Nominal Dimensions Weight /Meter (Mass) Sectional Area	IS 1732
252	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Rolled Steel Products	Nominal Dimensions Weight /Meter (Mass) Sectional Area	IS 1852
253	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Rolled Steel Products	Nominal Dimensions Weight /Meter (Mass) Sectional Area	IS 808
254	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Fastener	Tensile Test of Bolt under Wedge Loading	IS 1367 (Part-3)
255	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Fasteners	Tensile and Proof Load Test	IS 1367 Part-3
256	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Fasteners	Tensile and Proof Load Test	ISO 898-1

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257	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Fastners	Proof load test	ASTM A194-194M
258	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Fastners	Proof load test	IS 1367 Part-6
259	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Fastners	Proof load test	ISO 898-2
260	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Fastners	Tensile Strength	ASTM A193-193M
261	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Zinc coated Iron and steel Products	Mass of Zinc coating	IS 6745
262	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Zinc coated Iron and Steel Products	Uniformity of coating	IS 2633
263	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steels	Detecting susceptibility to inter granular attack.	ASTM A 262 Practice-A
264	MECHANICAL-METALLOGRAPHY TEST	Electro plated coatings	Coating thickness	IS 3203 Clause no.3
265	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals	Estimation of Austenitic grain size for steel	ASTM E112
266	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals	Estimation of Austenitic grain size for steel	IS 4748
267	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals	Estimation of Austenitic grain size for steel	IS 7739 (Parts- I,III,IV & V)
268	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals	Estimation of Average Grain Size	ASTM E112
269	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals	Estimation of Average Grain Size	IS 4748
270	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals	Estimation of Average Grain Size	IS 7739(Parts- I,III,IV &V)
271	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals	Microstructure	ASTM Metals Handbook Volume -7, 8th edition
272	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals	Microstructure	IS 7739 (Part-1 to 4)
273	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals	Microstructure	IS 7754

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274	MECHANICAL-METALLOGRAPHY TEST	Non Ferrous Metals	Estimation of Austenitic grain size for steel	ASTM E112
275	MECHANICAL-METALLOGRAPHY TEST	Non Ferrous Metals	Estimation of Austenitic grain size for steel	IS 4748
276	MECHANICAL-METALLOGRAPHY TEST	Non Ferrous Metals	Estimation of Austenitic grain size for steel.	IS 7739(Parts- I,III,IV &V)
277	MECHANICAL-METALLOGRAPHY TEST	Non Ferrous Metals	Estimation of Average Grain Size	ASTM E112
278	MECHANICAL-METALLOGRAPHY TEST	Non Ferrous Metals	Estimation of Average Grain Size	IS 4748
279	MECHANICAL-METALLOGRAPHY TEST	Non Ferrous Metals	Estimation of Average Grain Size	IS 7739(Parts- I,III,IV &V)
280	MECHANICAL-METALLOGRAPHY TEST	Non Ferrous Metals	Microstructure	ASTM Metals Handbook Volume – 7, 8TH edition
281	MECHANICAL-METALLOGRAPHY TEST	Non Ferrous Metals	Microstructure	IS 7739 (Part-1 to 4)
282	MECHANICAL-METALLOGRAPHY TEST	Steels	Determination of Non metallic inclusion content	IS 4163
283	MECHANICAL-METALLOGRAPHY TEST	Steels	Determination of non metallic inclusion content by microscopic method	ASTM E45 Method-A
284	MECHANICAL-METALLOGRAPHY TEST	Steels	Determination of non metallic inclusion content by microscopic method	ISO 4967
285	MECHANICAL-METALLOGRAPHY TEST	Steels	Measurement of Decarburized depth	IS 6396
286	MECHANICAL-METALLOGRAPHY TEST	Steels	Measurement of Decarburized depth	IS 7739 (Part-1)
287	MECHANICAL-METALLOGRAPHY TEST	Steels	Measuring case depth	IS 6416 Clause no. 8
288	MECHANICAL-METALLOGRAPHY TEST	Steels Products	Macroscopic study	IS 13015
289	NON-DESTRUCTIVE-METALS & ALLOYS	Ferritic Steel Casting	Ultrasonic Testing (UT)	ASTM SA 609
290	NON-DESTRUCTIVE-METALS & ALLOYS	Ferritic Steel Casting	Ultrasonic Testing (UT)	IS 7666
291	NON-DESTRUCTIVE-METALS & ALLOYS	Ferritic Steel Casting	Ultrasonic Testing (UT)	IS 9565

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292	NON-DESTRUCTIVE-METALS & ALLOYS	Ferritic Steel Forging	Ultrasonic Testing (UT)	ASTM E114
293	NON-DESTRUCTIVE-METALS & ALLOYS	Ferritic Steel Forging	Ultrasonic Testing (UT)	ASTM SA 388/388M
294	NON-DESTRUCTIVE-METALS & ALLOYS	Ferritic Steel Forging	Ultrasonic Testing (UT)	IS 3664
295	NON-DESTRUCTIVE-METALS & ALLOYS	Ferritic Steel Forging	Ultrasonic Testing (UT)	IS 8791
296	NON-DESTRUCTIVE-METALS & ALLOYS	Ferritic Steel Plates	Ultrasonic Testing (UT)	ASTM A 435-435 M
297	NON-DESTRUCTIVE-METALS & ALLOYS	Ferritic Steel Plates	Ultrasonic Testing (UT)	ASTM SA 578-578M
298	NON-DESTRUCTIVE-METALS & ALLOYS	Ferritic Steel Plates	Ultrasonic Testing (UT)	IS 4225
299	NON-DESTRUCTIVE-METALS & ALLOYS	Ferromagnetic Material weld	Magnetic Particle Testing for Surface & Sub Surface defects by fluroscent and visual technique (Yoke Method)	IS 5334
300	NON-DESTRUCTIVE-METALS & ALLOYS	Ferromagnetic Materials	Magnetic Particle Testing for Surface & Sub Surface defects by fluroscent and visual technique (Yoke Method)	ASME SE 709
301	NON-DESTRUCTIVE-METALS & ALLOYS	Ferromagnetic Materials	Magnetic Particle Testing for Surface & Sub Surface defects by Fluorescent and visible technique (Yoke Method)	ASME Sec-V Article-7
302	NON-DESTRUCTIVE-METALS & ALLOYS	Ferromagnetic Materials	Magnetic Particle Testing for Surface & Sub Surface defects by fluroscent and visual technique (Yoke Method)	ASTM E1444
303	NON-DESTRUCTIVE-METALS & ALLOYS	Ferromagnetic Materials	Magnetic Particle Testing for Surface & Sub Surface defects by fluroscent and visual technique (Yoke Method)	ASTM SA275
304	NON-DESTRUCTIVE-METALS & ALLOYS	Ferromagnetic Materials	Magnetic Particle Testing for Surface & Sub Surface defects by fluroscent and visual technique (Yoke Method)	IS 10724
305	NON-DESTRUCTIVE-METALS & ALLOYS	Ferromagnetic Materials	Magnetic Particle Testing for Surface & Sub Surface defects by fluroscent and visual technique (Yoke Method)	IS 3703

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306	NON-DESTRUCTIVE-METALS & ALLOYS	Ferromagnetic Materials	Magnetic Particle Testing for Surface & Sub Surface defects by fluroscent and visual technique (Yoke Method)	IS 6752
307	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Metals	Liquid Penetrant Testing	ASME Sec-V Article-6
308	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Metals	Liquid Penetrant Testing	ASTM E165
309	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Metals	Liquid Penetrant Testing	IS 3658
310	NON-DESTRUCTIVE-METALS & ALLOYS	Non ferrous Metals	Liquid Penetrant Testing	ASME Sec-V Article-6
311	NON-DESTRUCTIVE-METALS & ALLOYS	Non ferrous Metals	Liquid Penetrant Testing	ASTM E 165
312	NON-DESTRUCTIVE-METALS & ALLOYS	Non Ferrous Metals	Liquid Penetrant Testing	IS 3658
313	NON-DESTRUCTIVE-METALS & ALLOYS	Steel Pipe and Tubing	Ultrasonic Testing (UT)	ASTM SE 213
314	NON-DESTRUCTIVE-METALS & ALLOYS	Steel Pipe and Tubing	Ultrasonic Testing (UT)	IS 6394
315	NON-DESTRUCTIVE-METALS & ALLOYS	Weldment in Ferritic Steel	Ultrasonic Testing (UT)	ASME Sec-VIII, Appendix-12 Div-1 UW-53
316	NON-DESTRUCTIVE-METALS & ALLOYS	Weldmet in Ferritic Steel	Ultrasonic Testing (UT)	AWS-D1.1/D1.1M
317	NON-DESTRUCTIVE-METALS & ALLOYS	Weldmet in Ferritic Steel	Ultrasonic Testing (UT)	ASME Sec-V, Article-4
318	NON-DESTRUCTIVE-METALS & ALLOYS	Weldmet in Ferritic Steel	Ultrasonic Testing (UT)	IS 4260

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Site Facility				
1	NON-DESTRUCTIVE-METALS & ALLOYS	Ferritic Steel Casting	Ultrasonic Testing (UT)	ASTM SA 609
2	NON-DESTRUCTIVE-METALS & ALLOYS	Ferritic Steel Casting	Ultrasonic Testing (UT)	IS 7666
3	NON-DESTRUCTIVE-METALS & ALLOYS	Ferritic Steel Casting	Ultrasonic Testing (UT)	IS 9565
4	NON-DESTRUCTIVE-METALS & ALLOYS	Ferritic Steel Forging	Ultrasonic Testing (UT)	ASTM E114
5	NON-DESTRUCTIVE-METALS & ALLOYS	Ferritic Steel Forging	Ultrasonic Testing (UT)	ASTM SA 388/388M
6	NON-DESTRUCTIVE-METALS & ALLOYS	Ferritic Steel Forging	Ultrasonic Testing (UT)	IS 3664
7	NON-DESTRUCTIVE-METALS & ALLOYS	Ferritic Steel Forging	Ultrasonic Testing (UT)	IS 8791
8	NON-DESTRUCTIVE-METALS & ALLOYS	Ferritic Steel Plates	Ultrasonic Testing (UT)	ASTM A 435-435 M
9	NON-DESTRUCTIVE-METALS & ALLOYS	Ferritic Steel Plates	Ultrasonic Testing (UT)	ASTM SA 578-578M
10	NON-DESTRUCTIVE-METALS & ALLOYS	Ferritic Steel Plates	Ultrasonic Testing (UT)	IS 4225
11	NON-DESTRUCTIVE-METALS & ALLOYS	Ferromagnetic Material weld	Magnetic Particle Testing for Surface & Sub Surface defects by fluroscent and visual technique (Yoke Method)	IS 5334
12	NON-DESTRUCTIVE-METALS & ALLOYS	Ferromagnetic Materials	Magnetic Particle Testing for Surface & Sub Surface defects by fluroscent and visual technique (Yoke Method)	ASME SE 709
13	NON-DESTRUCTIVE-METALS & ALLOYS	Ferromagnetic Materials	Magnetic Particle Testing for Surface & Sub Surface defects by Fluorescent and visible technique (Yoke Method)	ASME Sec-V Article-7
14	NON-DESTRUCTIVE-METALS & ALLOYS	Ferromagnetic Materials	Magnetic Particle Testing for Surface & Sub Surface defects by fluroscent and visual technique (Yoke Method)	ASTM E1444

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15	NON-DESTRUCTIVE-METALS & ALLOYS	Ferromagnetic Materials	Magnetic Particle Testing for Surface & Sub Surface defects by fluroscent and visual technique (Yoke Method)	ASTM SA275
16	NON-DESTRUCTIVE-METALS & ALLOYS	Ferromagnetic Materials	Magnetic Particle Testing for Surface & Sub Surface defects by fluroscent and visual technique (Yoke Method)	IS 10724
17	NON-DESTRUCTIVE-METALS & ALLOYS	Ferromagnetic Materials	Magnetic Particle Testing for Surface & Sub Surface defects by fluroscent and visual technique (Yoke Method)	IS 3703
18	NON-DESTRUCTIVE-METALS & ALLOYS	Ferromagnetic Materials	Magnetic Particle Testing for Surface & Sub Surface defects by fluroscent and visual technique (Yoke Method)	IS 6752
19	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non ferrous Casting	Detection of internal defects by gamma rays (Ir-192) and X-Ray	ASTM E94
20	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Casting, Welded Joints & Various Components	Detection of internal defects by gamma rays (Ir- 192)	IS 1182
21	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Casting, Welded Joints & Various Components	Detection of internal defects by gamma rays (Ir- 192)	IS 2595
22	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Casting, Welded Joints & Various Components	Detection of internal defects by gamma rays (Ir- 192)	IS 2825
23	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Casting, Welded Joints & Various Components	Detection of internal defects by X-Ray & gamma rays (Ir- 192)	ASME SEC V, Article 2 & 22
24	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Metals	Liquid Penetrant Testing	ASME Sec-V Article-6
25	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Metals	Liquid Penetrant Testing	ASTM E165
26	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Metals	Liquid Penetrant Testing	IS 3658
27	NON-DESTRUCTIVE-METALS & ALLOYS	Non Ferrous Casting, Welded Joints & Various Components	Detection of internal defects by gamma rays (Ir- 192)	IS 1182
28	NON-DESTRUCTIVE-METALS & ALLOYS	Non Ferrous Casting, Welded Joints & Various Components	Detection of internal defects by gamma rays (Ir- 192)	IS 2595
29	NON-DESTRUCTIVE-METALS & ALLOYS	Non Ferrous Casting, Welded Joints & Various Components	Detection of internal defects by gamma rays (Ir- 192)	IS 2825
30	NON-DESTRUCTIVE-METALS & ALLOYS	Non Ferrous Casting, Welded Joints & Various Components	Detection of internal defects by X-Ray & gamma rays (Ir- 192)	ASME Sec-V Article-2 & 22

SCOPE OF ACCREDITATION

Laboratory Name : IRC INDUSTRIAL RESEARCH & CONSULTANCY PVT. LTD., HOWRAH AMTA ROAD, BALTIKURI BAZAR, HOWRAH, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 15/10/2021 to 14/10/2023 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
31	NON-DESTRUCTIVE-METALS & ALLOYS	Non ferrous Metals	Liquid Penetrant Testing	ASME Sec-V Article-6
32	NON-DESTRUCTIVE-METALS & ALLOYS	Non ferrous Metals	Liquid Penetrant Testing	ASTM E 165
33	NON-DESTRUCTIVE-METALS & ALLOYS	Non Ferrous Metals	Liquid Penetrant Testing	IS 3658
34	NON-DESTRUCTIVE-METALS & ALLOYS	Steel Pipe and Tubing	Ultrasonic Testing (UT)	ASTM SE 213
35	NON-DESTRUCTIVE-METALS & ALLOYS	Steel Pipe and Tubing	Ultrasonic Testing (UT)	IS 6394
36	NON-DESTRUCTIVE-METALS & ALLOYS	Welded Joints steel & Aluminium Components	Detection of internal defects by X-Ray & gamma ray (Ir-192)	AWS D1.1
37	NON-DESTRUCTIVE-METALS & ALLOYS	Welded joints, steel & Aluminium components	Detection of internal defects by x-ray	IS 1182
38	NON-DESTRUCTIVE-METALS & ALLOYS	Welded joints, steel & Aluminium components	Detection of internal defects by x-ray	IS 2595
39	NON-DESTRUCTIVE-METALS & ALLOYS	Weldment in Ferritic Steel	Ultrasonic Testing (UT)	ASME Sec-VIII, Appendix-12 Div-1 UW-53
40	NON-DESTRUCTIVE-METALS & ALLOYS	Weldmet in Ferritic Steel	Ultrasonic Testing (UT)	AWS-D1.1/D1.1M
41	NON-DESTRUCTIVE-METALS & ALLOYS	Weldmet in Ferritic Steel	Ultrasonic Testing (UT)	ASME Sec-V, Article-4
42	NON-DESTRUCTIVE-METALS & ALLOYS	Weldmet in Ferritic Steel	Ultrasonic Testing (UT)	IS 4260