SCOPE OF ACCREDITATION

Laboratory Name : ADVANCED METALLURGICAL LABORATORY, #18 &18/1, (OLD NO.118/193), PEENYA IST STAGE, TUMKUR ROAD, PEENYA, BENGALURU, KARNATAKA, INDIA

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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 & its Alloys	Chromium	ASTM E1251
2	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Copper	ASTM E1251
3	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Iron	ASTM E1251
4	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Lead	ASTM E1251
5	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Magnesium	ASTM E1251
6	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Manganese	ASTM E1251
7	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Nickel	ASTM E1251
8	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Silicon	ASTM E 1251
9	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Tin	ASTM E1251
10	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Titanium	ASTM E1251
11	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Vanadium	ASTM E1251
12	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Zinc	ASTM E1251
13	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Zirconium	ASTM E1251
14	CHEMICAL- METALS & ALLOYS	Carbon steel (low carbon, medium carbon & high carbon steel) Low Alloy Steel	Sulphur	JIS G1253
15	CHEMICAL- METALS & ALLOYS	Carbon steel (low carbon, medium carbon & high carbon steel) Low Alloy Steel	Silicon	JIS G1253
16	CHEMICAL- METALS & ALLOYS	Carbon steel (low carbon, medium carbon & high carbon steel), Low Alloy steel	Aluminium	ASTM E415
17	CHEMICAL- METALS & ALLOYS	Carbon steel (low carbon, medium carbon & high carbon steel), Low Alloy Steel	Aluminium	JIS G1253
18	CHEMICAL- METALS & ALLOYS	Carbon steel (low carbon, medium carbon & high carbon steel), Low Alloy steel	Boron	ASTM E415

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19	CHEMICAL- METALS & ALLOYS	Carbon steel (low carbon, medium carbon & high carbon steel), Low Alloy steel	Boron	IS 8811
20	CHEMICAL- METALS & ALLOYS	Carbon steel (low carbon, medium carbon & high carbon steel), Low Alloy Steel	Boron	JIS G1253
21	CHEMICAL- METALS & ALLOYS	Carbon steel (low carbon, medium carbon & high carbon steel), Low Alloy steel	Carbon	ASTM E415
22	CHEMICAL- METALS & ALLOYS	Carbon steel (low carbon, medium carbon & high carbon steel), Low Alloy steel	Carbon	IS 8811
23	CHEMICAL- METALS & ALLOYS	Carbon steel (low carbon, medium carbon & high carbon steel), Low Alloy Steel	Carbon	JIS G1253
24	CHEMICAL- METALS & ALLOYS	Carbon steel (low carbon, medium carbon & high carbon steel), Low Alloy steel	Chromium	ASTM E415
25	CHEMICAL- METALS & ALLOYS	Carbon steel (low carbon, medium carbon & high carbon steel), Low Alloy steel	Chromium	IS 8811
26	CHEMICAL- METALS & ALLOYS	Carbon steel (low carbon, medium carbon & high carbon steel), Low Alloy Steel	Chromium	JIS G1253
27	CHEMICAL- METALS & ALLOYS	Carbon steel (low carbon, medium carbon & high carbon steel), Low Alloy steel	Copper	IS 8811
28	CHEMICAL- METALS & ALLOYS	Carbon steel (low carbon, medium carbon & high carbon steel), Low Alloy Steel	Copper	JIS G1253
29	CHEMICAL- METALS & ALLOYS	Carbon steel (low carbon, medium carbon & high carbon steel), Low Alloy Steel	Lead	JIS G1253
30	CHEMICAL- METALS & ALLOYS	Carbon steel (low carbon, medium carbon & high carbon steel), Low Alloy steel	Manganese	ASTM E415
31	CHEMICAL- METALS & ALLOYS	Carbon steel (low carbon, medium carbon & high carbon steel), Low Alloy steel	Manganese	IS 8811
32	CHEMICAL- METALS & ALLOYS	Carbon steel (low carbon, medium carbon & high carbon steel), Low Alloy Steel	Manganese	JIS G1253
33	CHEMICAL- METALS & ALLOYS	Carbon steel (low carbon, medium carbon & high carbon steel), Low Alloy steel	Molybdenum	ASTM E415
34	CHEMICAL- METALS & ALLOYS	Carbon steel (low carbon, medium carbon & high carbon steel), Low Alloy steel	Molybdenum	IS 8811
35	CHEMICAL- METALS & ALLOYS	Carbon steel (low carbon, medium carbon & high carbon steel), Low Alloy Steel	Molybdenum	JIS G1253
36	CHEMICAL- METALS & ALLOYS	Carbon steel (low carbon, medium carbon & high carbon steel), Low Alloy steel	Nickel	ASTM E415
37	CHEMICAL- METALS & ALLOYS	Carbon steel (low carbon, medium carbon & high carbon steel), Low Alloy steel	Nickel	IS 8811

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Laboratory Name : ADVANCED METALLURGICAL LABORATORY, #18 &18/1, (OLD NO.118/193), PEENYA IST STAGE, TUMKUR ROAD, PEENYA, BENGALURU, KARNATAKA, INDIA

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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	Carbon steel (low carbon, medium carbon & high carbon steel), Low Alloy Steel	Nickel	JIS G1253
39	CHEMICAL- METALS & ALLOYS	Carbon steel (low carbon, medium carbon & high carbon steel), Low Alloy steel	Niobium	JIS G1253:
40	CHEMICAL- METALS & ALLOYS	Carbon steel (low carbon, medium carbon & high carbon steel), Low Alloy steel	Phosphorous	ASTM E415
41	CHEMICAL- METALS & ALLOYS	Carbon steel (low carbon, medium carbon & high carbon steel), Low Alloy steel	Phosphorous	IS 8811
42	CHEMICAL- METALS & ALLOYS	Carbon steel (low carbon, medium carbon & high carbon steel), Low Alloy Steel	Phosphorous	JIS G1253
43	CHEMICAL- METALS & ALLOYS	Carbon steel (low carbon, medium carbon & high carbon steel), Low Alloy steel	Silicon	ASTM E415
44	CHEMICAL- METALS & ALLOYS	Carbon steel (low carbon, medium carbon & high carbon steel), Low Alloy steel	Silicon	IS 8811
45	CHEMICAL- METALS & ALLOYS	Carbon steel (low carbon, medium carbon & high carbon steel), Low Alloy steel	Sulphur	ASTM E415
46	CHEMICAL- METALS & ALLOYS	Carbon steel (low carbon, medium carbon & high carbon steel), Low Alloy steel	Sulphur	IS 8811
47	CHEMICAL- METALS & ALLOYS	Carbon steel (low carbon, medium carbon & high carbon steel), Low Alloy Steel	Tungsten	JIS G1253
48	CHEMICAL- METALS & ALLOYS	Carbon steel (low carbon, medium carbon & high carbon steel), Low Alloy steel	Vanadium	ASTM E415
49	CHEMICAL- METALS & ALLOYS	Carbon steel (low carbon, medium carbon & high carbon steel), Low Alloy steel	Vanadium	IS 8811
50	CHEMICAL- METALS & ALLOYS	Carbon steel (low carbon, medium carbon & high carbon steel), Low Alloy Steel	Vanadium	JIS G1253
51	CHEMICAL- METALS & ALLOYS	Carbon steel (low carbon, medium carbon & high carbon steel),Low Alloy steel	Copper	ASTM E415
52	CHEMICAL- METALS & ALLOYS	Carbon steel (low carbon, medium carbon & high carbon steel),Low Alloy Steel	Aluminium	IS 8811
53	CHEMICAL- METALS & ALLOYS	Cast Iron & SG Iron	Carbon	IS 15338
54	CHEMICAL- METALS & ALLOYS	Cast Iron & SG Iron	Chromium	IS 15338
55	CHEMICAL- METALS & ALLOYS	Cast Iron & SG Iron	Copper	IS 15338
56	CHEMICAL- METALS & ALLOYS	Cast Iron & SG Iron	Manganese	IS 15338

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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
57	CHEMICAL- METALS & ALLOYS	Cast Iron & SG Iron	Molybdenum	IS 15338
58	CHEMICAL- METALS & ALLOYS	Cast Iron & SG Iron	Nickel	ASTM E1999
59	CHEMICAL- METALS & ALLOYS	Cast Iron & SG Iron	Nickel	IS 15338
60	CHEMICAL- METALS & ALLOYS	Cast Iron & SG Iron	Phosphorous	IS 15338
61	CHEMICAL- METALS & ALLOYS	Cast Iron & SG Iron	Silicon	IS 15338
62	CHEMICAL- METALS & ALLOYS	Cast Iron & SG Iron	Sulphur	IS 15338
63	CHEMICAL- METALS & ALLOYS	Cast Iron & SG Iron	Vanadium	IS 15338
64	CHEMICAL- METALS & ALLOYS	Cast Iron & SG Iron	Carbon	ASTM E1999
65	CHEMICAL- METALS & ALLOYS	Cast Iron & SG Iron	Carbon	JIS G1253
66	CHEMICAL- METALS & ALLOYS	Cast Iron & SG Iron	Chromium	ASTM E1999
67	CHEMICAL- METALS & ALLOYS	Cast Iron & SG Iron	Chromium	JIS G1253
68	CHEMICAL- METALS & ALLOYS	Cast Iron & SG Iron	Copper	ASTM E1999
69	CHEMICAL- METALS & ALLOYS	Cast Iron & SG Iron	Copper	JIS G1253
70	CHEMICAL- METALS & ALLOYS	Cast Iron & SG Iron	Magnesium	JIS G1253
71	CHEMICAL- METALS & ALLOYS	Cast Iron & SG Iron	Manganese	ASTM E1999
72	CHEMICAL- METALS & ALLOYS	Cast Iron & SG Iron	Manganese	JIS G1253
73	CHEMICAL- METALS & ALLOYS	Cast Iron & SG Iron	Molybdenum	ASTM E1999
74	CHEMICAL- METALS & ALLOYS	Cast Iron & SG Iron	Molybdenum	JIS G1253
75	CHEMICAL- METALS & ALLOYS	Cast Iron & SG Iron	Nickel	JIS G1253

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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
76	CHEMICAL- METALS & ALLOYS	Cast Iron & SG Iron	Phosphorous	ASTM E1999
77	CHEMICAL- METALS & ALLOYS	Cast Iron & SG Iron	Phosphorous	JIS G1253
78	CHEMICAL- METALS & ALLOYS	Cast Iron & SG Iron	Silicon	ASTM E1999
79	CHEMICAL- METALS & ALLOYS	Cast Iron & SG Iron	Silicon	JIS G1253
80	CHEMICAL- METALS & ALLOYS	Cast Iron & SG Iron	Sulphur	ASTM E1999
81	CHEMICAL- METALS & ALLOYS	Cast Iron & SG Iron	Sulphur	JIS G1253
82	CHEMICAL- METALS & ALLOYS	Cast Iron & SG Iron	Vanadium	ASTM E1999
83	CHEMICAL- METALS & ALLOYS	Cast Iron & SG Iron	Vanadium	JIS G1253
84	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Aluminium	BS EN 15079
85	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Chromium	BS EN 15079
86	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Iron	BS EN 15079
87	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Lead	BS EN 15079
88	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Magnesium	BS EN 15079
89	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Manganese	BS EN 15079
90	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Nickel	BS EN 15079
91	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Silicon	BS EN 15079
92	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Tin	BS EN 15079
93	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Zinc	BS EN 15079
94	CHEMICAL- METALS & ALLOYS	Stainless Steel	Aluminium	JIS G1253

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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	Stainless Steel	Boron	JIS G1253
96	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	ASTM E1086
97	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	IS 9879
98	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	JIS G1253
99	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	ASTM E1086
100	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	IS 9879
101	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	JIS G1253
102	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	JIS G1253
103	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	ASTM E1086
104	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	IS 9879
105	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	JIS G1253
106	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	JIS G1253
107	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	ASTM E1086
108	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	IS 9879
109	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	JIS G1253
110	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	JIS G1253
111	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	ASTM E1086
112	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	IS 9879
113	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	JIS G1253

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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
114	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	JIS G1253
115	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	ASTM E1086
116	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	IS 9879
117	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	JIS G1253
118	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	JIS G1253
119	CHEMICAL- METALS & ALLOYS	Stainless Steel	Niobium	JIS G1253
120	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorous	ASTM E1086
121	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorous	IS 9879
122	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorous	JIS G1253
123	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorous	JIS G1253
124	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	ASTM E1086
125	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	IS 9879
126	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	JIS G1253
127	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	JIS G1253
128	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	ASTM E1086
129	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	IS 9879
130	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	JIS G1253
131	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	JIS G1253
132	CHEMICAL- METALS & ALLOYS	Stainless Steel	Titanium	IS 9879

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133	CHEMICAL- METALS & ALLOYS	Stainless Steel	Titanium	JIS G1253
134	CHEMICAL- METALS & ALLOYS	Stainless Steel	Tungsten	JIS G1253
135	CHEMICAL- METALS & ALLOYS	Stainless Steel	Vanadium	JIS G1253
136	CHEMICAL- METALS & ALLOYS	Titanium & its Alloys	Aluminium	AML/TM/03 Issue No.01
137	CHEMICAL- METALS & ALLOYS	Titanium & its Alloys	Chromium	AML/TM/03 Issue No.01
138	CHEMICAL- METALS & ALLOYS	Titanium & its Alloys	Copper	AML/TM/03 Issue No.01
139	CHEMICAL- METALS & ALLOYS	Titanium & its Alloys	Iron	AML/TM/03 Issue No.01
140	CHEMICAL- METALS & ALLOYS	Titanium & its Alloys	Molybdenum	AML/TM/03 Issue No.01
141	CHEMICAL- METALS & ALLOYS	Titanium & its Alloys	Silicon	AML/TM/03 Issue No.01
142	CHEMICAL- METALS & ALLOYS	Titanium & its Alloys	Tin	AML/TM/03 Issue No.01
143	CHEMICAL- METALS & ALLOYS	Titanium & its Alloys	Vanadium	AML/TM/03 Issue No.01
144	CHEMICAL- METALS & ALLOYS	Titanium & its Alloys	Zirconium	AML/TM/03 Issue No.01.
145	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium & its alloys	% Reduction area	ASTM E8/E8M
146	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium & its alloys	% Elongation	ASTM B557M
147	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium & its alloys	% Elongation	ASTM E8/E8M
148	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium & its alloys	% Elongation	IS:1608-(part1)
149	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium & its alloys	% Elongation	ISO 6892-1

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150	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium & its alloys	% Reduction area	ASTM B557M
151	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium & its alloys	% Reduction area	IS:1608-(part1)
152	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium & its alloys	% Reduction area	ISO 6892-1
153	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium & its alloys	Proof stress (0.2%)	IS:1608-(part1)
154	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium & its alloys	Proof stress (0.2%)	ISO 6892-1
155	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium & its alloys	Tensile strength	ASTM B557M
156	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium & its alloys	Tensile strength	ASTM E8/E8M
157	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium & its alloys	Tensile strength	IS 1608 (part1)
158	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium & its alloys	Tensile strength	ISO 6892-1
159	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium & its alloys	Yield stress	ASTM B557M
160	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium & its alloys	Yield stress	ASTM E8/E8M
161	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium & its alloys	Yield stress	IS:1608-(part1)
162	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium & its alloys	Yield stress	ISO 6892-1
163	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium & its alloys	Yield stress (0.2% Offset)	ASTM B557M

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164	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium & its alloys	Yield stress (0.2% Offset)	ASTM E8/E8M
165	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium & its alloys for Aerospace series	Proof stress (0.2%)	EN 2002-001
166	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium & its alloys for Aerospace series	% Elongation after fracture	EN 2002-001
167	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium & its alloys for Aerospace series	% Reduction in area	EN 2002-001
168	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium & its alloys for Aerospace series	Tensile Strength	EN 2002-001
169	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium & its alloys for Aerospace series	Yield stress	EN 2002-001
170	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper & its alloys	% Reduction area	ISO 6892-1
171	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper & its alloys	Tensile Strength	ASTM E8/E8M
172	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper & its alloys	Tensile Strength	IS:1608-(part1)
173	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper & its alloys	Tensile Strength	ISO 6892-1
174	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper & its alloys	Yield Stress	ASTM E8/E8M
175	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper & its alloys	Yield Stress	IS:1608-(part1)
176	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper & its alloys	Yield Stress	ISO 6892-1
177	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper materials, alloys & products	% Elongation	IS 1608 (PART1)

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178	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper materials, alloys & products	% Elongation	ISO 6892-1
179	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper materials, alloys & products	% Elongation	ASTM E8/E8M
180	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper materials, alloys & products	% Reduction in area	ASTM E8/E8M
181	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper materials, alloys & products	% Reduction area	IS:1608-(Part 1)
182	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper materials, alloys & products	Proof Stress (0.2%)	IS:1608-(part1)
183	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper materials, alloys & products	Proof Stress (0.2%)	ISO 6892-1
184	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper materials, alloys & products	Yield stress (0.2% offset)	ASTM E8/E8M
185	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	% Elongation	IS:1608-(Part1)
186	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	% Elongation	ISO 6892-1
187	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	% Reduction area	IS:1608-(part1)
188	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	% Reduction area	ISO 6892-1
189	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rockwell Hardness Rockwell A	IS: 1586–(Part 1)
190	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rockwell Hardness Rockwell C	IS: 1586–(Part 1)
191	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products (Wrought, Cast)	Bend test	IS:1599

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192	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	%Elongation after Fracture	EN 2002-001
193	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	%Reduction of area	EN 2002-001
194	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Proof Stress (0.2%)	EN 2002-001
195	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Yield Strength	EN 2002-001
196	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	% Elongation	ASTM E8/E8M
197	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	% Reduction area	ASTM E8/E8M
198	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Brinell Hardness (HBW 2.5/187.5)	ISO 6506-1
199	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Brinell Hardness Test (HBW 2.5/187.5)	IS 1500 (Part1)
200	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Charpy Impact testing ”U” Notch, Ambient temp to (-)50 °C	IS: 1499
201	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Charpy Impact testing ”U” Notch,& ”V” Notch, Ambient temp to (-)50 °C	ISO: 148-1
202	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Charpy Impact testing ”V” Notch & ”U” Notch Ambient temp to (-)50 °C	IS: 1757 (Part1)
203	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Izod Impact testing Ambient temp	IS 1598
204	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Proof stress (0.2%)	IS:1608-(part1)
205	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Proof Stress (0.2%)	ISO 6892-1

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206	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rockwell Hardness Rockwell B	IS: 1586–(Part 1)
207	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rockwell Hardness HRBW	ISO 6508-1
208	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rockwell Hardness Rockwell A	ISO 6508-1
209	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rockwell Hardness Rockwell C	ISO 6508-1
210	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Tensile Strength	ASTM E8/E8M
211	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Tensile strength	EN 2002-001
212	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Tensile Strength	IS:1608-(part1)
213	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Tensile Strength	ISO 6892-1
214	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Yield Stress	ASTM E8/E8M
215	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Yield stress	IS:1608-(part1)
216	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Yield stress	ISO 6892-1
217	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Yield stress (0.2% offset)	ASTM E8/E8M
218	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High strength Deformed steel Bars & wires -For concrete reinforcement	Re Bend Test	IS 1786
219	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High strength Deformed steel Bars For concrete reinforcement	0.2% proof stress	IS:1608-(part1)

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220	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High strength Deformed steel Bars For concrete reinforcement	% Elongation	IS:1608-(part1):
221	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High strength Deformed steel Bars For concrete reinforcement	Bend Test,	IS 1599
222	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High strength Deformed steel Bars For concrete reinforcement	Tensile strength	IS:1608-(part1):
223	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High strength Deformed steel Bars For concrete reinforcement	Weight / meter	IS 1786
224	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High strength Deformed steel Bars For concrete reinforcement	Yield stress	IS:1608-(part1):
225	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High strength deformed steel Bars For Concrete Reinforcement up to 25 mm	%Total Elongation after fracture	ISO:15630-1
226	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous materials, alloys & products	Rockwell Hardness HRBW	ISO 6508-1:
227	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, alloys & products	% Elongation	ASTM E8/E8M
228	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, alloys & products	% Reduction area	ISO 6892-1
229	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, alloys & products	Tensile strength	ISO 6892-1
230	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, alloys & products	Yield stress	ASTM E8/E8M
231	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, alloys & products	% Elongation	IS:1608-(part1)
232	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, alloys & products	% Elongation	ISO 6892-1
233	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, alloys & products	Proof stress (0.2%)	ISO 6892-1

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234	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, alloys & products	% Reduction area	ASTM E8/E8M
235	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, alloys & products	Proof stress (0.2%)	IS:1608-(part1)
236	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, alloys & products	Yield stress (0.2% offset)	ASTM E8/E8M
237	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, alloys & products	% Reduction area	IS:1608-(part1)
238	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, alloys & products	Bend Test	IS 1599
239	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, alloys & products	Charpy Impact testing "U" Notch & "V" Notch, Ambient temp to (-)50 °C	IS: 1757 (Part 1)
240	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, alloys & products	Charpy Impact testing "U" Notch & "V" Notch, Ambient temp to (-)50 °C	ISO 148-1
241	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, alloys & products	Rockwell Hardness Rockwell B	IS: 1586–(Part 1)
242	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, alloys & products	Tensile strength	ASTM E8/E8M
243	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, alloys & products	Tensile strength	IS:1608-(part1)
244	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, alloys & products	Yield stress	IS:1608-(part1)
245	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Other Non-Ferrous metals, alloys & products	Yield stress	ISO 6892-1
246	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel & steel products	% Elongation	ASTM A370
247	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel & steel products	% Reduction area	ASTM A370

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248	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel & steel products	Tensile Strength	ASTM A370
249	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel & Steel products	Yield Stress	ASTM A370
250	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel & steel products	Yield Stress (0.2% offset)	ASTM A370
251	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded specimens	Tensile strength	ASME Sec IX
252	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Bend test (Face, root and side bend)	IS 3600 Part 5
253	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Bend test (Face, root, side bend)	ASME SEC IX
254	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Bend test (Face, root, side bend)	AWS D1.1
255	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Bend test (Face, root, side)	BS EN ISO 5173
256	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Charpy Impact testing ”U” Notch &”V” Notch, Ambient temp to (-)50 °C	ISO 148-1
257	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Charpy Impact testing ”U” Notch Ambient temp to (-)50 °C	IS: 1499
258	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Charpy Impact testing ”V” Notch &,”U” Notch Ambient temp to (-)50 °C	IS: 1757 (Part1)
259	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Tensile strength	AWS D1.1
260	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Tensile strength	ISO 4136
261	MECHANICAL-METALLOGRAPHY TEST	Non Ferrous Metallic materials	Micro Vickers hardness HV0.2	IS 1501-(Part 1)-

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262	MECHANICAL-METALLOGRAPHY TEST	Ferrous metals , alloys & products	Macrostructure analysis	ASTM E340
263	MECHANICAL-METALLOGRAPHY TEST	Non Ferrous Metallic materials	Micro Vickers hardness HV1	IS 1501-(Part 1)-
264	MECHANICAL-METALLOGRAPHY TEST	Aluminium materials, alloys & products	Macrostructure analysis	ASTM E340
265	MECHANICAL-METALLOGRAPHY TEST	Aluminium materials, alloys & products	Micro Vickers hardness HV0.1	IS 1501-(Part 1)
266	MECHANICAL-METALLOGRAPHY TEST	Aluminium materials, alloys & products	Micro Vickers hardness HV0.2	IS 1501-(Part 1)
267	MECHANICAL-METALLOGRAPHY TEST	Aluminium materials, alloys & products	Micro Vickers hardness HV0.5	IS 1501-(Part 1)
268	MECHANICAL-METALLOGRAPHY TEST	Aluminium materials, alloys & products	Micro Vickers hardness HV1	IS 1501-(Part 1)
269	MECHANICAL-METALLOGRAPHY TEST	Anodized Aluminum components	Anodizing layer Thickness by Microscopic Method	ASTM B487:
270	MECHANICAL-METALLOGRAPHY TEST	Coated/ plated parts of Ferrous & Non-Ferrous metallic materials	Electro plated coating thickness by microscopic method	IS 3203
271	MECHANICAL-METALLOGRAPHY TEST	Coated/ plated parts of Ferrous & Non-Ferrous metallic materials	Coating Thickness by Microscopic Method	ASTM B487
272	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys Cast Iron (Grey, SG, White, Malleable)	Micro Examination Graphite Flakes/ Nodules type and size, distribution characteristics matrix analysis,	IS 7754
273	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys Cast Iron (Grey, SG, White, Malleable)	Micro Examination Graphite Flakes/ Nodules type and size, distribution characteristics matrix analysis, Nodular count Nodularity	ASTM A247
274	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys Cast Iron (Grey, SG, White, Malleable)	Micro Examination Graphite Flakes/ Nodules type and size, distribution characteristics matrix analysis, Nodular count.	ISO 945-1
275	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products Case Hardened Steels & Nitrided Steels	Thin Case Depth By hardness Traverse method	IS 13691
276	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products Case Hardened Steels & Nitrided Steels	Thin Case Depth(TCD) By microscopic Method	IS 13691
277	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products Case Hardened Steels & Nitrided Steels	Total Case depth By microscopic Method	IS 6416

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278	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products Case Hardened Steels & Nitrided Steels	Case depth By hardness Traverse method	IS 6416
279	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Decarburization Depth	IS 6396
280	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Decarburization depth measured by Microscopic Method	ASTM E1077
281	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Grain Size Measurements	IS 4748
282	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Grain Size Measurements	ISO 643
283	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Inclusion rating of steel	ASTM E 45
284	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Inclusion rating of steel	IS 4163
285	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Micro Vickers hardness HV0.1	ASTM E384
286	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Micro Vickers hardness HV0.2	IS 1501-(Part 1)
287	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Micro Vickers hardness HV0.5	IS 1501-(Part 1)
288	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Micro Vickers hardness HV1	ASTM E384
289	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Micro Vickers hardness HV0.1	IS 1501-(Part 1)
290	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Micro Vickers hardness HV0.2	ASTM E384
291	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Micro Vickers hardness HV0.5	ASTM E384
292	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Micro Vickers hardness HV1	IS 1501-(Part 1)
293	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Micro Vickers Hardness Test 300 g Load (HV0.3)	ASTM E384
294	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Microstructure analysis	ASM Metal Hand Book Vol-9
295	MECHANICAL-METALLOGRAPHY TEST	Ferrous metals , alloys & products	Macrostructure analysis	ASTM E381

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296	MECHANICAL-METALLOGRAPHY TEST	Ferrous metals , alloys & products	Macrostructure analysis	IS:11371
297	MECHANICAL-METALLOGRAPHY TEST	Ferrous metals , alloys & products	Macrostructure analysis	IS13015
298	MECHANICAL-METALLOGRAPHY TEST	Non ferrous Metallic materials	Micro Vickers hardness HV0.1	IS 1501-(Part 1)-
299	MECHANICAL-METALLOGRAPHY TEST	Non Ferrous Metallic materials	Micro Vickers hardness HV0.5	IS 1501-(Part 1)-
300	MECHANICAL-METALLOGRAPHY TEST	Non Ferrous Metallic materials	Micro Vickers hardness HV0.1	ASTM E384
301	MECHANICAL-METALLOGRAPHY TEST	Non Ferrous Metallic materials	Micro Vickers hardness HV0.2	ASTM E384
302	MECHANICAL-METALLOGRAPHY TEST	Non Ferrous Metallic materials	Micro Vickers hardness HV0.5	ASTM E384
303	MECHANICAL-METALLOGRAPHY TEST	Non Ferrous Metallic materials	Micro Vickers hardness HV1	ASTM E384
304	MECHANICAL-METALLOGRAPHY TEST	Non-Ferrous metallic materials	Anodized Layer Thickness by microscopic method	IS:5523
305	MECHANICAL-METALLOGRAPHY TEST	Other non ferrous metals, alloys & products	Microstructure analysis	ASM Metal Hand Book Vol-9
306	MECHANICAL-METALLOGRAPHY TEST	Other Non- Ferrous metals, alloys &products	Micro Vickers Hardness Test 300 g Load (HV0.3)	ASTM E384
307	MECHANICAL-METALLOGRAPHY TEST	Steel products	Grain Size Measurement	ASTM E112
308	MECHANICAL-METALLOGRAPHY TEST	Welded fillet, but, lap stud joints	Macro examination/Visual examination	ASME SEC IX
309	MECHANICAL-METALLOGRAPHY TEST	Welded fillet, but, lap, stud joints	Visual & Macro examination	BS EN ISO 17639
310	MECHANICAL-METALLOGRAPHY TEST	Welds & welded test specimens	Macrostructure analysis	ASME Sec IX:
311	MECHANICAL-METALLOGRAPHY TEST	Welds & welded test specimens	Micro Vickers hardness HV0.1	ISO 9015-2
312	MECHANICAL-METALLOGRAPHY TEST	Welds & welded test specimens	Micro Vickers hardness HV0.2	ISO 9015-2
313	MECHANICAL-METALLOGRAPHY TEST	Welds & welded test specimens	Micro Vickers hardness HV0.5	ISO 9015-2
314	MECHANICAL-METALLOGRAPHY TEST	Welds & welded test specimens	Micro Vickers hardness HV1	ISO 9015-2