National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : OFFSHORE TESTING & INSPECTION SERVICES (I) PVT. LTD., W-147, PAWANE M.I.D.C., OFF THANE BELAPUR ROAD, NAVI MUMBAI, THANE, MAHARASHTRA, 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- CORROSION TESTS	Metals and their Alloys , Metallic Coatings , Conversion coatings , Anodic oxide coatings and Organic coatings on metallic material	Neutral Salt spray Test	ASTM B 117
2	CHEMICAL- CORROSION TESTS	Metals and their Alloys , Metallic Coatings , Conversion coatings , Anodic oxide coatings and Organic coatings on metallic material	Neutral Salt spray Test	ISO 9227
3	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Metallic coating and treatment solution zinc coated iron and steel	Uniformity of coating	Is 2633
4	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Metallic coating and treatment solution zinc coating iron and steel	Adhesion test (knife test)	is 2629
5	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Zinc Coated iron & Steel Articles	Mass of Zinc coating	IS 6745-72
6	CHEMICAL- METALS & ALLOYS	Aluminium & its alloy	Mn	ASTM E 1251
7	CHEMICAL- METALS & ALLOYS	Aluminium & its alloy	Sn	ASTM E 1251
8	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Ca	ASTM E 1251
9	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Co	ASTM E 1251
10	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Cr	ASTM E 1251
11	CHEMICAL- METALS & ALLOYS	Aluminium & Its Alloys	Cu	ASTM E 1251
12	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Fe	ASTM E 1251
13	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Mg	ASTM E 1251
14	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Ni	ASTM E 1251
15	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Si	ASTM E 1251
16	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Ti	ASTM E 1251

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17	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	V	ASTM E 1251
18	CHEMICAL- METALS & ALLOYS	Aluminium & Its Alloys	Zn	ASTM E 1251
19	CHEMICAL- METALS & ALLOYS	Aluminum & its alloys	Pb	ASTM E 1251
20	CHEMICAL- METALS & ALLOYS	Cast Iron & Pig Iron	S	ASTM E 1019
21	CHEMICAL- METALS & ALLOYS	Cast Iron ,Pig Iron	C	ASTM E 1019
22	CHEMICAL- METALS & ALLOYS	Cast Iron ,Pig Iron	P	ASTM E 351
23	CHEMICAL- METALS & ALLOYS	Cast Iron ,Pig Iron	S	ASTM E 1019
24	CHEMICAL- METALS & ALLOYS	Cast Iron ,Pig Iron	SI	ASTM E 351
25	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Al	BS EN 15079
26	CHEMICAL- METALS & ALLOYS	Copper & its alloys	As	BS EN 15079
27	CHEMICAL- METALS & ALLOYS	Copper & its alloys	As	BS EN 15079
28	CHEMICAL- METALS & ALLOYS	Copper & its Alloys	AS	BS EN 15079
29	CHEMICAL- METALS & ALLOYS	Copper & its Alloys	As	BS EN 15079
30	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Bi	BS EN 15079
31	CHEMICAL- METALS & ALLOYS	Copper & its alloys	C	BS EN 15079
32	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Co	BS EN 15079
33	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Cu	ASTM E 478
34	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Cu	IS 4027 (part 1)
35	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Fe	BS EN 15079

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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
36	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Mn	BS EN 15079
37	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Ni	BS EN 15079
38	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Ni	is 440
39	CHEMICAL- METALS & ALLOYS	Copper & its alloys	P	BS EN 15079
40	CHEMICAL- METALS & ALLOYS	Copper & its alloys	P	is 440
41	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Pb	ASTM E 478
42	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Pb	BS EN 15079
43	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Pb	IS 4027(Part-1)
44	CHEMICAL- METALS & ALLOYS	Copper & its alloys	S	BS EN 15079
45	CHEMICAL- METALS & ALLOYS	copper & its alloys	Sb	BS EN 15079
46	CHEMICAL- METALS & ALLOYS	Copper & its Alloys	Sb	BS EN 15079
47	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Si	BS EN 15079
48	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Sn	BS EN 15079
49	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Zn	ASTM E 478
50	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Zn	BS EN 15079
51	CHEMICAL- METALS & ALLOYS	Identification of Fe, Cu, Al, Ni & Base Metal alloy	PMI testing	ASTM E 1476
52	CHEMICAL- METALS & ALLOYS	Identification of Fe, Cu, Al, Ni & Base Metal alloy	PMI Testing	ASTM E 1916
53	CHEMICAL- METALS & ALLOYS	Low Alloy Steel Carbon Steel Mild Steel	SI	ASTM E 415
54	CHEMICAL- METALS & ALLOYS	Low alloy Steel	Cu	ASTM E 415

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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
55	CHEMICAL- METALS & ALLOYS	Low alloy steel ,carbon steel & Mild stee	Cr	is 228 part 6
56	CHEMICAL- METALS & ALLOYS	Low alloy steel ,carbon steel & Mild stee	Cu	is 228 (Part15)
57	CHEMICAL- METALS & ALLOYS	Low alloy steel ,carbon steel & Mild stee	Mo	is 228 (part 7)
58	CHEMICAL- METALS & ALLOYS	Low alloy steel ,carbon steel & Mild stee	Ni	is 228 (Part 5)
59	CHEMICAL- METALS & ALLOYS	Low alloy steel ,carbon steel & Mild stee	V	ASTM E 350
60	CHEMICAL- METALS & ALLOYS	Low alloy steel ,carbon steel & Mild steel	Mn	is 228 pt.2
61	CHEMICAL- METALS & ALLOYS	Low alloy steel ,carbon steel & mild steel	P	ASTM E 350
62	CHEMICAL- METALS & ALLOYS	Low Alloy steel ,carbon steel & mild steel	P	ASTM E 415
63	CHEMICAL- METALS & ALLOYS	Low alloy steel ,carbon steel & Mild steel	P	Is 228(Part.3)
64	CHEMICAL- METALS & ALLOYS	Low alloy steel, Carbon Steel & Mild Steel	Al	ASTM E 415
65	CHEMICAL- METALS & ALLOYS	Low alloy steel, Carbon Steel & Mild Steel	Al	IS 8811
66	CHEMICAL- METALS & ALLOYS	Low alloy steel, Carbon Steel & Mild Steel	As	ASTM E 415
67	CHEMICAL- METALS & ALLOYS	Low alloy steel, Carbon Steel & Mild Steel	As	IS 8811
68	CHEMICAL- METALS & ALLOYS	Low alloy steel, Carbon Steel & Mild Steel	B	ASTM E 415
69	CHEMICAL- METALS & ALLOYS	Low alloy steel, Carbon Steel & Mild Steel	B	IS 8811
70	CHEMICAL- METALS & ALLOYS	Low Alloy Steel, Carbon Steel & Mild Steel	C	ASTM E 1019
71	CHEMICAL- METALS & ALLOYS	Low alloy steel, carbon steel & Mild Steel	C	ASTM E 415
72	CHEMICAL- METALS & ALLOYS	Low Alloy steel, Carbon Steel & Mild Steel	C	IS 8811
73	CHEMICAL- METALS & ALLOYS	Low alloy steel, Carbon Steel & Mild Steel	Ca	astm e 415

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74	CHEMICAL- METALS & ALLOYS	Low alloy steel, Carbon Steel & Mild Steel	Ca	is 8811
75	CHEMICAL- METALS & ALLOYS	Low alloy steel, Carbon Steel & Mild Steel	Co	ASTM E 415
76	CHEMICAL- METALS & ALLOYS	Low alloy steel, Carbon Steel & Mild Steel	Co	IS 8811
77	CHEMICAL- METALS & ALLOYS	Low Alloy steel, Carbon Steel & Mild steel	Cr	ASTM E 415
78	CHEMICAL- METALS & ALLOYS	Low alloy steel, Carbon steel & Mild steel	Cr	IS 8811
79	CHEMICAL- METALS & ALLOYS	Low Alloy steel, Carbon Steel & Mild steel	Cu	ASTM E 350
80	CHEMICAL- METALS & ALLOYS	Low alloy steel, carbon steel & Mild steel	Cu	IS 8811
81	CHEMICAL- METALS & ALLOYS	Low alloy steel, Carbon Steel & Mild Steel	Mn	ASTM E 415
82	CHEMICAL- METALS & ALLOYS	Low alloy steel, Carbon Steel & Mild Steel	Mn	IS 8811
83	CHEMICAL- METALS & ALLOYS	Low alloy steel, carbon steel & Mild steel	Mo	ASTM E 415
84	CHEMICAL- METALS & ALLOYS	Low alloy steel, carbon steel & Mild steel	Mo	IS 8811
85	CHEMICAL- METALS & ALLOYS	Low Alloy Steel, Carbon Steel & Mild Steel	N	ASTM E 415
86	CHEMICAL- METALS & ALLOYS	Low alloy steel, carbon steel & Mild steel	Nb	ASTM E 415
87	CHEMICAL- METALS & ALLOYS	Low alloy steel, carbon steel & Mild steel	Nb	IS 8811
88	CHEMICAL- METALS & ALLOYS	Low alloy steel, Carbon Steel & Mild steel	Ni	ASTM E 415
89	CHEMICAL- METALS & ALLOYS	Low Alloy steel, Carbon Steel & Mild Steel	Ni	IS 8811
90	CHEMICAL- METALS & ALLOYS	Low alloy steel, Carbon steel & mild steel	S	ASTM E 1019
91	CHEMICAL- METALS & ALLOYS	Low alloy steel, Carbon Steel & Mild steel	S	ASTM E 415
92	CHEMICAL- METALS & ALLOYS	Low alloy steel, carbon steel & mild steel	S	IS 8811

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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
93	CHEMICAL- METALS & ALLOYS	Low alloy steel, Carbon Steel & Mild Steel	Sb	ASTM E 415
94	CHEMICAL- METALS & ALLOYS	Low alloy steel, Carbon Steel & Mild Steel	Sb	IS 8811
95	CHEMICAL- METALS & ALLOYS	Low alloy steel, Carbon Steel & Mild Steel	Si	ASTM E 350
96	CHEMICAL- METALS & ALLOYS	Low Alloy steel, Carbon Steel & Mild steel	SI	IS 8811
97	CHEMICAL- METALS & ALLOYS	Low alloy steel, Carbon Steel & Mild Steel	Sn	ASTM E 415
98	CHEMICAL- METALS & ALLOYS	Low alloy steel, carbon steel & Mild Steel	Sn	IS 8811
99	CHEMICAL- METALS & ALLOYS	Low alloy steel, Carbon Steel & Mild Steel	Ti	ASTM E 415
100	CHEMICAL- METALS & ALLOYS	Low alloy steel, Carbon Steel & Mild Steel	Ti	IS 8811
101	CHEMICAL- METALS & ALLOYS	Low alloy steel, Carbon Steel & Mild Steel	V	ASTM E 415
102	CHEMICAL- METALS & ALLOYS	Low alloy steel, Carbon Steel & Mild Steel	V	IS 8811
103	CHEMICAL- METALS & ALLOYS	Low alloy steel,Carbon steel & Mild steel	N	IS 8811
104	CHEMICAL- METALS & ALLOYS	Low alloy, Carbon steel & Mild steel	P	IS 8811
105	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Al	ASTM E 3047
106	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	C	ASTM E 1019
107	CHEMICAL- METALS & ALLOYS	Nickel & its Alloys	C	ASTM E 3047
108	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	C	JIS H 1288
109	CHEMICAL- METALS & ALLOYS	Nickel & its Alloys	Co	ASTM E 3047
110	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Co	JIS H 1288
111	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Cr	ASTM E 1473

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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
112	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Cr	ASTM E 3047
113	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Cr	JIS H 1288
114	CHEMICAL- METALS & ALLOYS	nickel & its Alloys	Cu	ASTM E 3047
115	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Cu	JIS H 1288
116	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Fe	ASTM E 3047
117	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Fe	JIS H 1288
118	CHEMICAL- METALS & ALLOYS	Nickel & its Alloys	Mn	ASTM E 3047
119	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Mn	JIS H 1288
120	CHEMICAL- METALS & ALLOYS	Nickel & its Alloys	Mo	ASTM E 3047
121	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Mo	JIS H 1288
122	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Nb	ASTM E 3047
123	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Nb	JIS H 1288
124	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	P	JIS H 1288
125	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	S	ASTM E 1019
126	CHEMICAL- METALS & ALLOYS	Nickel & its Alloys	S	ASTM E 3047
127	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	S	JIS H 1288
128	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Si	ASTM E 1473
129	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Si	astm e 3047
130	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Si	JIS H 1288

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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
131	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Ti	ASTM E 3047
132	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Ti	JIS H 1288
133	CHEMICAL- METALS & ALLOYS	Nickel & Its Alloys	V	ASTM E 3047
134	CHEMICAL- METALS & ALLOYS	Nickel & its Alloys	V	ASTM E 3047
135	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	V	JIS H 1288
136	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	W	JIS H 1288
137	CHEMICAL- METALS & ALLOYS	Nikel & its Alloys	P	ASTM E 3047
138	CHEMICAL- METALS & ALLOYS	Stainless Steel	Al	JIS G 1253
139	CHEMICAL- METALS & ALLOYS	Stainless Steel	C	ASTM E 1019
140	CHEMICAL- METALS & ALLOYS	Stainless Steel	C	ASTM E 1086
141	CHEMICAL- METALS & ALLOYS	Stainless steel	C	is 228(Part.1)
142	CHEMICAL- METALS & ALLOYS	Stainless Steel	C	IS 9879
143	CHEMICAL- METALS & ALLOYS	Stainless Steel	Co	JIs G-1253
144	CHEMICAL- METALS & ALLOYS	Stainless Steel	Cr	ASTM E 1086
145	CHEMICAL- METALS & ALLOYS	stainless steel	Cr	is 228(part 6)
146	CHEMICAL- METALS & ALLOYS	Stainless Steel	Cr	IS 9879
147	CHEMICAL- METALS & ALLOYS	Stainless Steel	Cu	ASTM E 1086
148	CHEMICAL- METALS & ALLOYS	Stainless Steel	Cu	IS 9879
149	CHEMICAL- METALS & ALLOYS	Stainless steel	Mn	ASTM E 1086

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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
150	CHEMICAL- METALS & ALLOYS	Stainless Steel	Mn	is 12046 1987 Ra
151	CHEMICAL- METALS & ALLOYS	Stainless steel	Mn	is 228(part 12)
152	CHEMICAL- METALS & ALLOYS	Stainless Steel	Mn	IS 9879
153	CHEMICAL- METALS & ALLOYS	Stainless Steel	Mo	ASTM E 1086
154	CHEMICAL- METALS & ALLOYS	stainless steel	Mo	Is 228(Part.7)
155	CHEMICAL- METALS & ALLOYS	Stainless Steel	Mo	IS 9879
156	CHEMICAL- METALS & ALLOYS	stainless steel	Mo	wi/otis/chem/19c
157	CHEMICAL- METALS & ALLOYS	Stainless Steel	N	IS 228(part23)
158	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nb	JIS G 1253
159	CHEMICAL- METALS & ALLOYS	Stainless Steel	Ni	ASTM E 1086
160	CHEMICAL- METALS & ALLOYS	Stainless steel	Ni	is 228(part 5)
161	CHEMICAL- METALS & ALLOYS	Stainless Steel	Ni	IS 9879
162	CHEMICAL- METALS & ALLOYS	Stainless Steel	P	ASTM E 1086
163	CHEMICAL- METALS & ALLOYS	stainless steel	P	Is 228(Part.3)
164	CHEMICAL- METALS & ALLOYS	Stainless steel	P	IS 9879
165	CHEMICAL- METALS & ALLOYS	Stainless Steel	S	ASTM E 1019
166	CHEMICAL- METALS & ALLOYS	Stainless Steel	S	ASTM E 1086
167	CHEMICAL- METALS & ALLOYS	Stainless Steel	S	IS 9879
168	CHEMICAL- METALS & ALLOYS	Stainless Steel	Si	ASTM E 1086

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169	CHEMICAL- METALS & ALLOYS	Stainless Steel	Si	ASTM E 353
170	CHEMICAL- METALS & ALLOYS	Stainless Steel	Si	IS 9879
171	CHEMICAL- METALS & ALLOYS	Stainless Steel	Ti	JIS G 1253
172	CHEMICAL- METALS & ALLOYS	Stainless Steel	V	ASTM E 1086
173	CHEMICAL- METALS & ALLOYS	Stainless Steel	V	IS 9879
174	CHEMICAL- METALS & ALLOYS	stainless steel	V	JIS G 1253
175	CHEMICAL- METALS & ALLOYS	Tool steel	C	ASTM E 1019
176	CHEMICAL- METALS & ALLOYS	Tool Steel	C	JIS G 1253
177	CHEMICAL- METALS & ALLOYS	Tool Steel	Co	JIS G 1253
178	CHEMICAL- METALS & ALLOYS	Tool Steel	Cr	JIS G 1253
179	CHEMICAL- METALS & ALLOYS	Tool Steel	CU	JIS G 1253
180	CHEMICAL- METALS & ALLOYS	Tool steel	Cu	WI/OTIS/CHEM/19D (By AAS)
181	CHEMICAL- METALS & ALLOYS	Tool Steel	Mn	JIS G 1253
182	CHEMICAL- METALS & ALLOYS	Tool steel	Mo	JIS G 1253
183	CHEMICAL- METALS & ALLOYS	Tool Steel	Ni	JIS G 1253
184	CHEMICAL- METALS & ALLOYS	Tool Steel	P	JIS G 1253
185	CHEMICAL- METALS & ALLOYS	Tool Steel	S	ASTM E 1019
186	CHEMICAL- METALS & ALLOYS	Tool Steel	S	JIS G 1253
187	CHEMICAL- METALS & ALLOYS	Tool Steel	S	JIS G 1253

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188	CHEMICAL- METALS & ALLOYS	Tool Steel	Si	ASTM E 352
189	CHEMICAL- METALS & ALLOYS	Tool Steel	SI	JIS G 1253
190	CHEMICAL- METALS & ALLOYS	Tool steel	V	JIS G 1253
191	CHEMICAL- METALS & ALLOYS	Tool steel	W	JIS G 1253
192	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	All WELD TENSILE (Elongation)	IS 814 :2004 RA
193	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon & Alloy Steel Nuts	Proof Load Test	IS 1367 part 6
194	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon and Alloy Steel -Bolt	Proof Load Test	IS 1367 part 3
195	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon And Alloy Steel Bolts	Proof Load Test	ASTM A 370
196	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon And Alloy Steel Nuts	Proof Load Test	ISO 3506-2
197	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon And Alloy Steel-Bolts	Proof Load Test	ISO 3506-1
198	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cladded Plate	SHEAR STRENGTH	ASTM A 263(12)
199	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cladded Plate	SHEAR STRENGTH	ASTM A 264(12)
200	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cladded Plate	SHEAR STRENGTH	ASTM A 265(12)
201	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cladded Plate	SHEAR STRENGTH	SA 263
202	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cladded Plate	SHEAR STRENGTH	SA 264

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203	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	All Weld Tensile Test (Reduction Area)	IS 1608:1
204	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	All WELD TENSILE TEST (YS, UTS,%E, %RA) (0.2%, 1% Yield Strength by Offset Method/Proof Stress	IS 1608-1
205	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	All WELD TENSILE (UTS)	IS 1608-1
206	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	All WELD TENSILE (0.2%, 1% Yield Strength by Offset Method/Proof Stress)	ASME SEC II PART C
207	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	All WELD TENSILE (0.2%, 1% Yield Strength by Offset Method/Proof Stress)	BS EN ISO 5178
208	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	All WELD TENSILE (0.2%, 1% Yield Strength by Offset Method/Proof Stress)	IS 814:2004 RA
209	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	All WELD TENSILE (Elongation)	ASME SEC II PART C
210	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	All WELD TENSILE (Elongation)	BS EN ISO 5178
211	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	All WELD TENSILE (Elongation)	IS 1608-1
212	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	All WELD TENSILE (Reduction)	ASME SEC II PART C
213	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	All Weld Tensile (Reduction)	BS EN ISO 5178
214	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	All WELD TENSILE (Reduction)	IS 814:2004 RA
215	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	All WELD TENSILE (UTS)	ASME SEC II PART

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216	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	All WELD TENSILE (UTS)	BS EN 895
217	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	All WELD TENSILE (UTS)	BS EN ISO 5178
218	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	All WELD TENSILE (UTS)	IS 814 :2004 RA
219	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	BEND TEST	API 1104
220	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	BEND TEST	API 5L
221	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	BEND TEST	ASME SEC IX
222	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	BEND TEST	ASME Sec. VIII(Dlv.1)
223	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	BEND TEST	ASTM E 190
224	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	BEND TEST	AWS D 1.1
225	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	BEND TEST	BS EN 910
226	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	BEND TEST	BS EN ISO 5173
227	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	BEND TEST	Indian boiler regulations 1950 (IBR Rules)
228	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	BEND TEST	IS 2825
229	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	BEND TEST	IS 7310 (Part1)

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230	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	BRINELL HARDNESS TEST(10 /3000)	IS 1500 part 1:
231	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	BRINELL HARDNESS TEST(10/3000)	ASTM E 10
232	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	BRINELL HARDNESS TEST(10/3000)	BS EN ISO 6506-1
233	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Fracture Test	ASME SEC IX
234	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	Fracture Test	AWS D 1.1
235	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	NICK BREAK TEST	API 1104
236	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	NICK BREAK TEST	Indian boiler regulations 1950 (IBR Rules)
237	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	NICK BREAK TEST	IS 2825
238	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	TRANSVERSE WELD TENSILE (UTS)	API 1104
239	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	TRANSVERSE WELD TENSILE (UTS)	ASME SEC IX
240	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	TRANSVERSE WELD TENSILE (UTS)	AWS D 1.1
241	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	TRANSVERSE WELD TENSILE (UTS)	Indian boiler regulations 1950 (IBR Rules)
242	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	TRANSVERSE WELD TENSILE (UTS)	IS 2825
243	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	TRANSVERSE WELD TENSILE (UTS)	ISO 4136

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244	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	TRANSVERSE WELD TENSILE TEST (UTS)	BS EN 895
245	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous	TRANSVERSE WELD TENSILE TEST (UTS)	BS EN ISO 15614-1
246	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous (Carbon & Alloy Steel Bolt, screw&stud)	Proof Load Test	ISO 3506-1
247	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous (Carbon & Alloy Steel Nuts)	Proof Load Test	ASTM A 370
248	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous (Carbon & Alloy Steel Nuts)	Proof Load Test	ISO 3506-2
249	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non ferrous Boiler/Pressure Tubes	CRUSHING STRENGTH	ASTM A 370
250	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products [Steel flats, rods, bars, tubes and pipes]	VICKERS HARDNESS TEST(HV5)	ASTM E 92
251	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products (Sheet & Strip)	Erichson Cupping Test	ISO 20482
252	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products (Steel & Strip)	Erichson Cupping Test	IS 10175(Part 1)
253	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products (Steel flats, rods, bars, tubes and pipes,High Strength Deformed Steel Bars (Tor Steel)	ELEVATED TEMPERATURE TENSILE AT 100° - 1000°C (Elongation)	ASTM E 21
254	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products (Steel flats, rods, bars, tubes and pipes,High Strength Deformed Steel Bars (Tor Steel))	BEND TEST	Indian boiler regulations 1950 (IBR Rules)
255	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products (Steel flats, rods, bars, tubes and pipes,High Strength Deformed Steel Bars (Tor Steel))	BEND TEST	IS 1786
256	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products (Steel flats, rods, bars, tubes and pipes,High Strength Deformed Steel Bars (Tor Steel))	BEND TEST	IS 2329
257	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products (Steel flats, rods, bars, tubes and pipes,High Strength Deformed Steel Bars (Tor Steel))	ELEVATED TEMPERATURE TENSILE AT 100° - 1000°C (Reduction)	ASTM E 21

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258	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products (Steel flats, rods, bars, tubes and pipes,High Strength Deformed Steel Bars (Tor Steel))	ELEVATED TEMPERATURE TENSILE AT 100° - 1000°C (Elongation)	ISO 6892-2
259	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products (Steel flats, rods, bars, tubes and pipes,High Strength Deformed Steel Bars (Tor Steel))	ELEVATED TEMPERATURE TENSILE AT 100° - 1000°C(UTS)	ISO 6892-2
260	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products (Steel flats, rods, bars, tubes and pipes,High Strength Deformed Steel Bars (Tor Steel))	ELEVATED TEMPERATURE TENSILE AT 100° - 1000°C(YS)	ISO 6892-2
261	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products (Steel flats, rods, bars, tubes and pipes,High Strength Deformed Steel Bars (Tor Steel))	Tensile Test (UTS)	Indian boiler regulations 1950 (IBR Rules)
262	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products [Steel Flats, Rods, Bars, Tubes & Pipes]	Impact test (U Notch)(+50)º C to (-196)º C	ASTM E 23
263	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products [Steel flats, rods, bars, tubes and pipes]	(Charpy ['U' NOTCH] [(50)°C to (-196)°C]	ASTM A 370
264	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products [Steel flats, rods, bars, tubes and pipes]	(Charpy ['V' NOTCH] [(50)°C to (-196)°C]	ISO 148-1
265	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products [Steel flats, rods, bars, tubes and pipes]	BRINELL HARDNESS TEST(2.5 /187.5)	IS 1500 part 1
266	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products [Steel flats, rods, bars, tubes and pipes]	BRINELL HARDNESS TEST(2.5/187.5)	ASTM A 370
267	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products [Steel flats, rods, bars, tubes and pipes]	BRINELL HARDNESS TEST(2.5/187.5)	ASTM E 10
268	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products [Steel flats, rods, bars, tubes and pipes]	BRINELL HARDNESS TEST(2.5/187.5)	BS EN ISO 6506-1
269	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products [Steel flats, rods, bars, tubes and pipes]	Hydrostatic Pressure Test	ASTM E 1003:2013
270	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products [Steel flats, rods, bars, tubes and pipes]	Impact Test (Charpy ['V' NOTCH] [50)°C to -196)degree C]	ASTM A 370
271	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products [Steel flats, rods, bars, tubes and pipes]	Impact Test (IZOD) (At Ambient Temperature)	ISO 148-1

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272	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products [Steel flats, rods, bars, tubes and pipes]	Impact Test (IZOD) (At ambient Temperature)	IS 1598
273	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products [Steel flats, rods, bars, tubes and pipes]	IMPACT TEST Charpy ['U' NOTCH] [(+50)°C .to (-196)°C]	BS EN 875
274	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products [Steel flats, rods, bars, tubes and pipes]	IMPACT TEST Charpy ['U' NOTCH] [(+50)°C .to (-196)°C]	BS EN ISO 9016
275	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products [Steel flats, rods, bars, tubes and pipes]	IMPACT TEST Charpy ['U' NOTCH] [(+50)°C .to (-196)°C]	Indian boiler regulations 1950 (IBR Rules)
276	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products [Steel flats, rods, bars, tubes and pipes]	IMPACT TEST Charpy ['U' NOTCH] [(+50)°C .to (-196)°C]	ISO 148-1
277	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products [Steel flats, rods, bars, tubes and pipes]	Impact Test Charpy ['V' NOTCH] [(+50)°C to (-196)°C]	ASTM E 23
278	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products [Steel flats, rods, bars, tubes and pipes]	IMPACT TEST Charpy ['V' NOTCH] [(+50)°C .to (-196)°C]	BS EN ISO 9016
279	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products [Steel flats, rods, bars, tubes and pipes]	IMPACT TEST Charpy ['V' NOTCH] [(+50)°C .to (-196)°C]	Indian boiler regulations 1950 (IBR Rules)
280	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products [Steel flats, rods, bars, tubes and pipes]	IMPACT TEST Charpy ['V' NOTCH] [(+50)°C .to (-196)°C]	ISO 148-1
281	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products [Steel flats, rods, bars, tubes and pipes]	Micro-VICKERS HARDNESS TEST	ASTM E 384
282	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products [Steel flats, rods, bars, tubes and pipes]	Micro-VICKERS HARDNESS TEST (0.2)	ASTM E 384
283	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products [Steel flats, rods, bars, tubes and pipes]	Micro-VICKERS HARDNESS TEST (HV0.2)	IS 1501-2
284	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products [Steel flats, rods, bars, tubes and pipes]	Micro-VICKERS HARDNESS TEST (HV1)	ASTM E 384
285	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products [Steel flats, rods, bars, tubes and pipes]	Micro-VICKERS HARDNESS TEST(HV0.2)	BS EN ISO 6507-1

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286	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products [Steel flats, rods, bars, tubes and pipes]	Micro-VICKERS HARDNESS TEST(HV1)	BS EN ISO 6507-1
287	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products [Steel flats, rods, bars, tubes and pipes]	Micro-VICKERS HARDNESS TEST(HV1)	IS 1501-2
288	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products [Steel flats, rods, bars, tubes and pipes]	Portable Hardness Tester (HBW)	ASTM E 110
289	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products [Steel flats, rods, bars, tubes and pipes]	Portable Hardness Tester (HRC)	ASTM E 110
290	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products [Steel flats, rods, bars, tubes and pipes]	Portable Hardness Tester(HRA)	ASTM E 110
291	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products [Steel flats, rods, bars, tubes and pipes]	Portable Hardness Tester(HRBW)	ASTM E 110
292	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products [Steel flats, rods, bars, tubes and pipes]	REVERSE BEND TEST	ASTM A 370
293	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products [Steel flats, rods, bars, tubes and pipes]	REVERSE BEND TEST	IS 1716-85 RA
294	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products [Steel flats, rods, bars, tubes and pipes]	ROCKWELL HARDNESS TEST (HRBW)	ASTM A 370
295	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products [Steel flats, rods, bars, tubes and pipes]	ROCKWELL HARDNESS TEST (HRC)	ASTM A 370
296	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products [Steel flats, rods, bars, tubes and pipes]	ROCKWELL HARDNESS TEST (HRC)	IS 1586 part 1
297	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products [Steel flats, rods, bars, tubes and pipes]	ROCKWELL HARDNESS TEST (HRA)	ASTM A 370
298	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products [Steel flats, rods, bars, tubes and pipes]	ROCKWELL HARDNESS TEST (HRA)	ASTM E 18
299	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products [Steel flats, rods, bars, tubes and pipes]	ROCKWELL HARDNESS TEST (HRA)	BS EN ISO 6508-1 :

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300	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products [Steel flats, rods, bars, tubes and pipes]	ROCKWELL HARDNESS TEST (HRA)	IS 1586 Part 1
301	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products [Steel flats, rods, bars, tubes and pipes]	ROCKWELL HARDNESS TEST(HRBW)	BS EN ISO 6508-1
302	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products [Steel flats, rods, bars, tubes and pipes]	ROCKWELL HARDNESS TEST(HRBW)	IS 1586 part1
303	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products [Steel flats, rods, bars, tubes and pipes]	ROCKWELL HARDNESS TEST(HRC)	ASTM E 18
304	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products [Steel flats, rods, bars, tubes and pipes]	ROCKWELL HARDNESS TEST(HRC)	BS EN ISO 6508-1
305	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products [Steel flats, rods, bars, tubes and pipes]	ROCKWELL HARDNESS TEST(HRC)	IS 1586-Part 1
306	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products [Steel flats, rods, bars, tubes and pipes]	VICKERS HARDNESS TEST (HV5)	IS 1501 -1
307	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products [Steel flats, rods, bars, tubes and pipes]	VICKERS HARDNESS TEST(HV10)	BS EN ISO 6507-1
308	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products [Steel flats, rods, bars, tubes and pipes]	VICKERS HARDNESS TEST(HV10)	IS 1501-1
309	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products [Steel flats, rods, bars, tubes and pipes]	VICKERS HARDNESS TEST(HV5)	BS EN ISO 6507-1
310	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products [Steel flats, rods, bars, tubes and pipes] ROCKWELL HARDNESS TEST	ROCKWELL HARDNESS TEST(HRC)	BS EN ISO 6508-1
311	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products Steel flats, rods, bars, tubes and pipes,High Strength Deformed Steel Bars (Tor Steel	Tensile Test (Elongation)	BS EN ISO 4136
312	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products Steel flats, rods, bars, tubes and pipes,High Strength Deformed Steel Bars (Tor Steel)	BEND TEST	IS 7310 (Part 1)
313	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products Steel flats, rods, bars, tubes and pipes,High Strength Deformed Steel Bars (Tor Steel)	ELEVATED TEMPERATURE TENSILE AT 100° - 1000°C(Reduction)	ISO 6892-2

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314	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products Steel flats, rods, bars, tubes and pipes,High Strength Deformed Steel Bars (Tor Steel)	Tensile Test (Elongation)	ASTM E 8/E8M
315	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products Steel flats, rods, bars, tubes and pipes,High Strength Deformed Steel Bars (Tor Steel)	Tensile Test (Elongation)	ASTM A 370
316	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products Steel flats, rods, bars, tubes and pipes,High Strength Deformed Steel Bars (Tor Steel)	Tensile Test (Elongation)	Indian boiler regulations 1950 (IBR Rules)
317	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products Steel flats, rods, bars, tubes and pipes,High Strength Deformed Steel Bars (Tor Steel)	Tensile Test (Elongation)	IS 1786
318	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products Steel flats, rods, bars, tubes and pipes,High Strength Deformed Steel Bars (Tor Steel)	Tensile Test (Reduction)	BS EN ISO 4136
319	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products Steel flats, rods, bars, tubes and pipes,High Strength Deformed Steel Bars (Tor Steel)	Tensile Test (Reduction)	Indian boiler regulations 1950 (IBR Rules)
320	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products Steel flats, rods, bars, tubes and pipes,High Strength Deformed Steel Bars (Tor Steel)	Tensile Test (Reduction)	IS 1786
321	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products Steel flats, rods, bars, tubes and pipes,High Strength Deformed Steel Bars (Tor Steel)	Tensile Test (UTS)	ASTM A 370
322	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products Steel flats, rods, bars, tubes and pipes,High Strength Deformed Steel Bars (Tor Steel)	Tensile Test (UTS)	ASTM E 8/E8M
323	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products Steel flats, rods, bars, tubes and pipes,High Strength Deformed Steel Bars (Tor Steel)	Tensile Test (UTS)	BS EN ISO 4136
324	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products Steel flats, rods, bars, tubes and pipes,High Strength Deformed Steel Bars (Tor Steel)	Tensile Test (YS) (0.2%, 1% Yield Strength by Offset Method /Proof Stress)	ASTM E 8/E8M
325	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products Steel flats, rods, bars, tubes and pipes,High Strength Deformed Steel Bars (Tor Steel)	Tensile Test (YS) (0.2%, 1% Yield Strength by Offset Method /Proof Stress)	Indian boiler regulations 1950 (IBR Rules)
326	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products Steel flats, rods, bars, tubes and pipes,High Strength Deformed Steel Bars (Tor Steel)	Tensile Test (YS)(0.2%, 1% Yield Strength by Offset Method /Proof Stress)	IS 1608 :1
327	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products Steel flats, rods, bars, tubes and pipes,High Strength Deformed Steel Bars (Tor Steel)	Tensile Test Reduction	ASTM A 370

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328	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products Steel flats, rods, bars, tubes and pipes,High Strength Deformed Steel Bars (Tor Steel)	TENSILE TEST(0.2%, 1% Yield Strength by Offset Method /Proof Stress)	ASTM A 370
329	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products Steel flats, rods, bars, tubes and pipes,High Strength Deformed Steel Bars (Tor Steel)	Tensile Test(Reduction)	ASTM E 8/E8M
330	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products Steel flats, rods, bars, tubes and pipes,High Strength Deformed Steel Bars (Tor Steel)]	BEND TEST	ASTM A 370
331	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products Steel flats, rods, bars, tubes and pipes,High Strength Deformed Steel Bars (Tor Steel)]	BEND TEST	ASTM E 290
332	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products Steel flats, rods, bars, tubes and pipes,High Strength Deformed Steel Bars (Tor Steel)]	BEND TEST	IS 1599
333	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous material & Products Steel flats, rods, bars, tubes and pipes,High Strength Deformed Steel Bars (Tor Steel)]	ELEVATED TEMPERATURE TENSILE 100° - 1000°C (UTS)	ASTM E 21
334	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous materials	FLARING TEST/ DRIFT TEST	ASTM A 1016
335	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous materials[Tubes & Pipes]	FLARING TEST/ DRIFT TEST	ASTM A 450
336	MECHANICAL-MECHANICAL PROPERTIES OF METALS	ferrous and non ferrous	fracture Test	iso 9017
337	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous products flats, rods, bars, tubes and pipes,High Strength Deformed Steel Bars (Tor Steel)	Tensile Test (UTS)	IS 1608-1
338	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High Strength Deformed Steel Bars	REBEND TEST	IS 1786
339	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High Strength Deformed Steel Bars (Tor Steel)	Mass/ Unit Length	IS 1786
340	MECHANICAL-MECHANICAL PROPERTIES OF METALS	METAL & ALLOYS (Tube to Tube Sheets)	PULL OUT TEST	ASME SEC VIII DIV.1
341	MECHANICAL-MECHANICAL PROPERTIES OF METALS	metallic material	Compression Test	ASTM E 9

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342	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous material & Products (Steel flats, rods, bars, tubes and pipes,High Strength Deformed Steel Bars (Tor Steel))	Tensile Test (Reduction)	ASTM B 557/557M
343	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous material & Products Steel flats, rods, bars, tubes and pipes,High Strength Deformed Steel Bars (Tor Steel)	Tensile Test (Elongation)	ASTM B 557/557M
344	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous material & Products Steel flats, rods, bars, tubes and pipes,High Strength Deformed Steel Bars (Tor Steel)	Tensile Test (YS) (0.2%, 1% Yield Strength by Offset Method /Proof Stress)	ASTM B 557/557M
345	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous material & Products Steel flats, rods, bars, tubes and pipes,High Strength Deformed Steel Bars (Tor Steel)	Tensile Test(UTS)	ASTM B 557/557M
346	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel flats, rods, bars, tubes and pipes,High Strength Deformed Steel Bars (Tor Steel)	Tensile Test (UTS)	IS 1367part 3
347	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel flats, rods, bars, tubes and pipes,High Strength Deformed Steel Bars (Tor Steel)	Tensile Test (UTS)	IS 1786
348	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel flats, rods, bars, tubes and pipes,High Strength Deformed Steel Bars (Tor Steel)	Tensile Test (YS) (0.2%, 1% Yield Strength by Offset Method /Proof Stress)	IS 1367 part(3)
349	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel flats, rods, bars, tubes and pipes,High Strength Deformed Steel Bars (Tor Steel)	Tensile test (YS) (0.2%, 1% Yield Strength by Offset Method /Proof Stress)	IS 1786
350	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel flats, rods, bars, tubes and pipes,High Strength Deformed Steel Bars (Tor Steel)]	Elevated Temperature Tensile (100-1000)deg. C (YS)	ASTM E 21
351	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel flats, rods, bars, tubes and pipes,High Strength Deformed Steel Bars (Tor Steel)]	Tensile Test (Elongation)	IS 1608:1
352	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel flats, rods, bars, tubes and pipes,High Strength Deformed Steel Bars (Tor Steel)]	Tensile Test (Elongation)	ISO 6892 -1
353	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel flats, rods, bars, tubes and pipes,High Strength Deformed Steel Bars (Tor Steel)]	Tensile Test (Reduction)	IS 1608:1
354	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel flats, rods, bars, tubes and pipes,High Strength Deformed Steel Bars (Tor Steel)]	Tensile Test (Reduction)	ISO 6892-1
355	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel flats, rods, bars, tubes and pipes,High Strength Deformed Steel Bars (Tor Steel)]	Tensile Test (UTS)	ISO 6892-1

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356	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel flats, rods, bars, tubes and pipes,High Strength Deformed Steel Bars (Tor Steel)]	Tensile Test (YS) (0.2%, 1% Yield Strength by Offset Method /Proof Stress)	BS EN ISO 4136
357	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel flats, rods, bars, tubes and pipes,High Strength Deformed Steel Bars (Tor Steel)]	Through Thickness Tensile	BS EN 10164
358	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Plates	Through Thickness Tensile	ASTM A 770-03RA
359	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Tubes & Pipe	FLARING / DRIFT TEST	API 5 L
360	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Tubes & Pipes	FLANGE TEST	ASTM A 370
361	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Tubes & Pipes	Flange Test	Indian boiler regulations 1950 (IBR Rules)
362	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Tubes & Pipes	FLANGE TEST	IS 2330
363	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Tubes & Pipes	FLARING / DRIFT TEST	ASTM A 513
364	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Tubes & Pipes	FLARING / DRIFT TEST	Indian boiler regulations 1950 (IBR Rules)
365	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Tubes & Pipes	FLARING / DRIFT TEST	IS 2501
366	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Tubes & Pipes	FLARING /DRIFT TEST	IS 2335
367	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Tubes & pipes	Flaring Test / Drift Test	ASTM B 153
368	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Tubes & Pipes	FLARING TEST /DRIFT TEST	ASTM A 370
369	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Tubes & Pipes	FLATTENING TEST	ASTM A 1016

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370	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Tubes & Pipes	FLATTENING TEST	ASTM A 370
371	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Tubes & Pipes	FLATTENING TEST	ASTM A 450/450M
372	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Tubes & Pipes	FLATTENING TEST	ASTM A 513
373	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Tubes & Pipes	FLATTENING TEST	ASTM A 530
374	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Tubes & Pipes	FLATTENING TEST	ASTM A 999/A999M
375	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Tubes & Pipes	FLATTENING TEST	ASTM B 111
376	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Tubes & Pipes	FLATTENING TEST	Indian boiler regulations 1950 (IBR Rules)
377	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Tubes & Pipes	FLATTENING TEST	IS 2501
378	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Tubes & Pipes	FLATTERING TEST	IS 2328
379	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Tubes & Pipes	REVERSE FATTENING TEST	ASTM A 1016
380	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Tubes & Pipes	REVERSE FATTENING TEST	IS 2328
381	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Tubes & Pipes	REVERSE FLATTENING TEST	ASTM A 370
382	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Tubes & Pipes	REVERSE FLATTENING TEST	ASTM A 450
383	MECHANICAL-METALLOGRAPHY TEST	Austenite &Ferritic austenite (duplex) stainless steel	Determination of resistance to intergranular corrosion of stainless steel (Method - A)	EN ISO 3651-2

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384	MECHANICAL-METALLOGRAPHY TEST	Austenite &Ferritic austenite (duplex) stainless steel	Determination of resistance to intergranular corrosion of stainless steel (Method - B)	EN ISO 3651-2
385	MECHANICAL-METALLOGRAPHY TEST	Austenite &Ferritic austenite (duplex) stainless steel	Determination of resistance to intergranular corrosion of stainless steel (Method - C)	EN ISO 3651-2
386	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel Ferritic austenite (duplex) stainless steel	IGC Practice – Method B	ASTM G 28-02(A)
387	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel Ferritic austenite (duplex) stainless steel	IGC Practice – Method C	ASTM A 262
388	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel Ferritic austenite (duplex) stainless steel	IGC Practice – Method C	ASTM G 28 – 02
389	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel Ferritic austenite (duplex) stainless steel	IGC Practice – Method C	EN ISO 3651-1
390	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel Ferritic austenite (duplex) stainless steel	IGC Practice –Method B	ASTM A 262
391	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel Ferritic austenite (duplex) stainless steel	IGC Practice – Method F	ASTM A 262
392	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	IGC Practice - E	ASTM A 262
393	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	IGC Practice – Method A	ASTM A 262
394	MECHANICAL-METALLOGRAPHY TEST	Case-hardened Steel	ESTIMATION OF CASE DEPTH (by MICRO HARDNESS METHOD)	IS 6416
395	MECHANICAL-METALLOGRAPHY TEST	Case-hardened Steel	ESTIMATION OF CASE DEPTH by MICROSCOPIC METHOD (0.01-2.00mm) (100X)	IS 6416
396	MECHANICAL-METALLOGRAPHY TEST	Cast Iron	Size & Distribution of graphite in Gray cast Iron & S.G. Iron by Comparison Method	IS 7754
397	MECHANICAL-METALLOGRAPHY TEST	Cast Iron	Size & Distribution of graphite in Gray cast Iron & S.G. Iron by Comparison Method (100 X)	ISO 945-1
398	MECHANICAL-METALLOGRAPHY TEST	Duplex Steel	Detecting Detrimental Intermetallic Phase Method - A,(400X , 500X)	ASTM A 923
399	MECHANICAL-METALLOGRAPHY TEST	Duplex Steel	Detecting Detrimental Intermetallic Phase Method - C	ASTM A 923

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400	MECHANICAL-METALLOGRAPHY TEST	Duplex Steel	Detecting Detrimental Intermetallic Phase Method B	ASTM A 923
401	MECHANICAL-METALLOGRAPHY TEST	Ferritic austenite (Duplex) stainless steel	Ferric Chloride Pitting Test	ASM 13 A
402	MECHANICAL-METALLOGRAPHY TEST	Ferritic austenite (Duplex) stainless steel	Ferric Chloride Pitting Test (Method A)	ASTM G 48-11
403	MECHANICAL-METALLOGRAPHY TEST	Ferritic austenite (Duplex) stainless steel	Ferric Chloride Pitting Test (Method B)	ASTM G48-11
404	MECHANICAL-METALLOGRAPHY TEST	Ferritic austenite (Duplex) stainless steel	Ferric Chloride Pitting Test (Method C)	ASTM G 48-11
405	MECHANICAL-METALLOGRAPHY TEST	Ferritic austenite (Duplex) stainless steel	Ferric Chloride Pitting Test (Method D)	ASTM G 48-11
406	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non-Ferrous materials	AVERAGE GRAIN SIZE (by Comparison Method) (ASTM No. 1 to 10 / 100 X)	ASTM E 112
407	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non-Ferrous materials	AVERAGE GRAIN SIZE (by Comparison Method) ASTM No. 1 to 10 / 100 X	IS 4748
408	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non-Ferrous materials	Field Metallographic Replicas (50x , 100x , 200x ,400x , 500x)	ASTM E 1351-01 RA
409	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non-Ferrous materials	MACRO EXAMINATION (Visual examination 1x to 32x)	ASTM E 381
410	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non-Ferrous materials	MACRO EXAMINATION (Visual examination 1x to 32x)	ASTM E 340
411	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non-Ferrous materials	MACRO EXAMINATION (Visual examination 1x to 32x)	BS EN ISO 17639
412	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non-Ferrous materials	MICRO-STRUCTURAL ANALYSIS (50x, 100x, 200x, 400x, 500x, 1000x)	ASM Handbook – Metallography & Microstructure - Vol.9 /ASTM E 407-07(2015)e1/ASTM E 3
413	MECHANICAL-METALLOGRAPHY TEST	Ferrous / Non-Ferrous Material	Determining Volume Fraction By systematic manual point count	ASTM E 562
414	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials	Chloride Stress Corrosion Cracking Test (Mgcl2 & Cacl2)	ASTM G 36 – 94
415	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials	HIC Test	NACE MR 0175
416	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials	HIC Test	NACE TM 0284

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417	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials	SSCC Test	ASTM G 38-01(Method C)
418	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials	SSCC Test	ASTM G 39-99 (Method 'B') – Four Point Bend
419	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials	SSCC Test	NACE MR 0175
420	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials	SSCC Test	NACE TM 0177
421	MECHANICAL-METALLOGRAPHY TEST	MACRO EXAMINATION	MACRO EXAMINATION Visual examination 1x to 32x	IS 11371
422	MECHANICAL-METALLOGRAPHY TEST	Steel	DETERMINATION OF DEPTH DECARBURIZATION by Microscopic Method (Magnification-100 X)	ASTM E 1077
423	MECHANICAL-METALLOGRAPHY TEST	Steel	DETERMINATION OF DEPTH DECARBURIZATION by Microscopic Method (Magnification-100 X)	IS 6369
424	MECHANICAL-METALLOGRAPHY TEST	Steel	Non-Metallic Inclusion Rating by Method Thin & Heavy (A, B,C,D: 0.5 to 3.0) /100 X	ASTM E 45
425	MECHANICAL-METALLOGRAPHY TEST	Steel	Non-Metallic Inclusion Rating by Method-A Thin & Heavy (A, B,C,D: 0.5 to 3.0) /100 X	ISO 4967 ED3
426	MECHANICAL-METALLOGRAPHY TEST	Steel	Non-Metallic Inclusion Rating by Methods Thin & Heavy (A, B,C,D:)	IS 4163
427	MECHANICAL-METALLOGRAPHY TEST	Steel Casting Stainless	Estimating Ferrite Content by Ferrite scope Microscopic Method	ASTM A 799-10
428	MECHANICAL-METALLOGRAPHY TEST	Steel Casting Stainless	Estimating Ferrite Content by Ferrite scope Microscopic Method	ASTM A 799-10
429	MECHANICAL-METALLOGRAPHY TEST	Steel Casting Stainless	Estimating Ferrite Content by Ferrite scope Microscopic Method	ASTM A 800
430	MECHANICAL-METALLOGRAPHY TEST	Steel Casting Stainless	Estimating Ferrite Content by Ferrite scope Microscopic Method	ASTM A 800
431	MECHANICAL-METALLOGRAPHY TEST	Steel Casting Stainless	Estimating Ferrite Content by Ferrite scope(feritscope)	ASTM A 799-10

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Site Facility				
1	CHEMICAL- METALS & ALLOYS	Identification of Fe, Cu, Al, Ni & Base Metal alloy	PMI testing	ASTM E 1476