National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SHIKAG'S ENGINEERING LABS PRIVATE LIMITED, 5-9-16/10, PRASHANTHI NAGAR, INDL. ESTATE, KUKATPALLY, HYDERABAD, TELANGANA, 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	Salt Spray Tests	Corrosion Resistance Testing (Salt Spray)	ASTM B 117
2	CHEMICAL- METALS & ALLOYS	Stainless steel	Nickel	ASTM E 1086
3	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Bismuth	ASTME1251
4	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Chromium	ASTM E 1476
5	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Cobalt	ASTME1251
6	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Copper	ASTM E 1476
7	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Magnesium	ASTM E 1476
8	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Nickle	ASTM E 1476
9	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Tin	ASTM E 1476
10	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Zinc	ASTM E 1476
11	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Zirconium	ASTME1251
12	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum a loys	Chromium	ASTME1251
13	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum alloys	Copper	ASTME1251
14	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum alloys	Iron	ASTM E1251
15	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum alloys	Lead	ASTME1251
16	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum alloys	Magnesium	ASTME1251
17	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum alloys	Manganese	ASTME1251
18	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum alloys	Nickel	ASTME1251

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19	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum alloys	Silicon	ASTME1251
20	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum alloys	Tin	ASTME1251
21	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum alloys	Titanium	ASTME1251
22	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum alloys	Vanadium	ASTME1251
23	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum alloys	Zinc	ASTME1251
24	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloys Steel	Aluminum	IS 8811
25	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Arsenic	IS 8811
26	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloys Steel	Aluminum	ASTM E 415
27	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloys Steel	Boron	ASTM E 415
28	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloys Steel	Boron	IS 8811
29	CHEMICAL- METALS & ALLOYS	Carbon & Low Aloy Steel	Arsenic	ASTM E 415
30	CHEMICAL- METALS & ALLOYS	Carbon & Low Aloy Steel	Carbon	ASTM E 415
31	CHEMICAL- METALS & ALLOYS	Carbon & Low Aloy Steel	Carbon	IS 8811
32	CHEMICAL- METALS & ALLOYS	Carbon & Low Aloy Steel	Chromium	ASTM E 415
33	CHEMICAL- METALS & ALLOYS	Carbon & Low Aloy Steel	Chromium	IS 8811
34	CHEMICAL- METALS & ALLOYS	Carbon & Low Aloy Steel	Cobalt	ASTM E 415
35	CHEMICAL- METALS & ALLOYS	Carbon & Low Aloy Steel	Cobalt	IS 8811
36	CHEMICAL- METALS & ALLOYS	Carbon & Low Aloy Steel	Copper	ASTM E 415
37	CHEMICAL- METALS & ALLOYS	Carbon & Low Aloy Steel	Copper	IS 8811

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38	CHEMICAL- METALS & ALLOYS	Carbon & Low Aloy Steel	Manganese	ASTM E 415
39	CHEMICAL- METALS & ALLOYS	Carbon & Low Aloy Steel	Manganese	IS 8811
40	CHEMICAL- METALS & ALLOYS	Carbon & Low Aloy Steel	Molybdenum	ASTM E 415
41	CHEMICAL- METALS & ALLOYS	Carbon & Low Aloy Steel	Molybdenum	IS 8811
42	CHEMICAL- METALS & ALLOYS	Carbon & Low Aloy Steel	Nickel	ASTM E 415
43	CHEMICAL- METALS & ALLOYS	Carbon & Low Aloy Steel	Nickel	IS 8811
44	CHEMICAL- METALS & ALLOYS	Carbon & Low Aloy Steel	Niobium	ASTM E 415
45	CHEMICAL- METALS & ALLOYS	Carbon & Low Aloy Steel	Niobium	IS 8811
46	CHEMICAL- METALS & ALLOYS	Carbon & Low Aloy Steel	Phosphorus	ASTM E 415
47	CHEMICAL- METALS & ALLOYS	Carbon & Low Aloy Steel	Phosphorus	IS 8811
48	CHEMICAL- METALS & ALLOYS	Carbon & Low Aloy Steel	Silicon	ASTM E 415
49	CHEMICAL- METALS & ALLOYS	Carbon & Low Aloy Steel	Silicon	IS 8811
50	CHEMICAL- METALS & ALLOYS	Carbon & Low Aloy Steel	Sulphur	ASTM E 415
51	CHEMICAL- METALS & ALLOYS	Carbon & Low Aloy Steel	Sulphur	IS 8811
52	CHEMICAL- METALS & ALLOYS	Carbon & Low Aloy Steel	Tin	ASTM E 415
53	CHEMICAL- METALS & ALLOYS	Carbon & Low Aloy Steel	Tin	IS 8811
54	CHEMICAL- METALS & ALLOYS	Carbon & Low Aloy Steel	Titanium	ASTM E 415
55	CHEMICAL- METALS & ALLOYS	Carbon & Low Aloy Steel	Titanium	IS 8811
56	CHEMICAL- METALS & ALLOYS	Carbon & Low Aloy Steel	Vanadium	ASTM E 415

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57	CHEMICAL- METALS & ALLOYS	Carbon & Low Aloy Steel	Vanadium	IS 8811
58	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon	ASTM E 1999
59	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium	ASTM E1999
60	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper	ASTM E1999
61	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese	ASTM E 1999
62	CHEMICAL- METALS & ALLOYS	Cast Iron	Molybdenum	ASTM E 1999
63	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel	ASTM E 1999
64	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorus	ASTM E 1999
65	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon	ASTM E 1999
66	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulphur	ASTM E 1999
67	CHEMICAL- METALS & ALLOYS	Cast Iron	Tin	ASTM E1999
68	CHEMICAL- METALS & ALLOYS	Cast Iron	Titanium	ASTM E1999
69	CHEMICAL- METALS & ALLOYS	Cast Iron	Vanadium	ASTM E1999
70	CHEMICAL- METALS & ALLOYS	Copper And Copper Alloys	Copper	ASTM E 1476
71	CHEMICAL- METALS & ALLOYS	Copper And Copper Alloys	Iron	ASTM E 1476
72	CHEMICAL- METALS & ALLOYS	Copper And Copper Alloys	Lead	ASTM E 1476
73	CHEMICAL- METALS & ALLOYS	Copper And Copper Alloys	Manganese	ASTM E 1476
74	CHEMICAL- METALS & ALLOYS	Copper And Copper Alloys	Nickle	ASTM E 1476
75	CHEMICAL- METALS & ALLOYS	Copper And Copper Alloys	Tin	ASTM E 1476

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76	CHEMICAL- METALS & ALLOYS	Copper And Copper Alloys	Zinc	ASTM E 1476
77	CHEMICAL- METALS & ALLOYS	Copper And Copper Aloys	Iron	Hel-c.LDM 057
78	CHEMICAL- METALS & ALLOYS	Copper And Copper Aloys	Lead	Hel-c.LDM 057
79	CHEMICAL- METALS & ALLOYS	Copper And Copper Aloys	Nickel	Hel-c.LDM 057
80	CHEMICAL- METALS & ALLOYS	Copper And Copper Aloys	Tin	Hel-c.LDM 057
81	CHEMICAL- METALS & ALLOYS	Copper And Copper Aloys	Zinc	Hel-c LDM 057
82	CHEMICAL- METALS & ALLOYS	Cu Base Alloy	Aluminum	HEL-C LDM 057
83	CHEMICAL- METALS & ALLOYS	Cu Base Alloy	Antimony	HEL-C LDM 057
84	CHEMICAL- METALS & ALLOYS	Cu Base Alloy	Arsenic	HEL-C LDM 057
85	CHEMICAL- METALS & ALLOYS	Cu Base Alloy	Copper	HEL-C LDM 057
86	CHEMICAL- METALS & ALLOYS	Cu Base Alloy	Magnesium	HEL-C LDM 057
87	CHEMICAL- METALS & ALLOYS	Cu Base Alloy	Manganese	HEL-C LDM 057
88	CHEMICAL- METALS & ALLOYS	Cu Base Alloy	Phosphorus	HEL-C LDM 057
89	CHEMICAL- METALS & ALLOYS	Cu Base Alloy	Silicon	HEL-C LDM 057
90	CHEMICAL- METALS & ALLOYS	Cu Base Alloy	Silver	HEL-C LDM 057
91	CHEMICAL- METALS & ALLOYS	Cu Base Aloy	Chromium	HEL-C LDM 057
92	CHEMICAL- METALS & ALLOYS	Cu Base Aloy	Cobalt	HEL-C LDM 057
93	CHEMICAL- METALS & ALLOYS	Cu Base Aloy	Sulphur	HEL-C LDM 057
94	CHEMICAL- METALS & ALLOYS	Iron. Steel, Special Steel, Stainless Steel, Nickel & its alloy	Copper	ASTM E 1476

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95	CHEMICAL- METALS & ALLOYS	Iron. Steel, Special Steel, Stainless Steel, Nickel & its alloy	Molybdenum	ASTM E 1476
96	CHEMICAL- METALS & ALLOYS	Iron. Steel, Special Steel, Stainless Steel, Nickel & its alloy	Nickel	ASTM E 1476
97	CHEMICAL- METALS & ALLOYS	Iron. Steel, Special Steel, Stainless Steel, Nickel & its alloy	Niobium	ASTM E 1476
98	CHEMICAL- METALS & ALLOYS	Iron. Steel, Special Steel, Stainless Steel, Nickel & its alloy	Titanium	ASTM E 1476
99	CHEMICAL- METALS & ALLOYS	Iron. Steel, Special Steel, Stainless Steel, Nickel & its alloy	Tungsten	ASTM E 1476
100	CHEMICAL- METALS & ALLOYS	Iron. Steel, Special Steel, Stainless Steel, Nickel & its alloy	Vanadium	ASTM E 1476
101	CHEMICAL- METALS & ALLOYS	Iron. Steel, Special Steel, Stainless Steel, Nickel & its alloys	Chromium	ASTM E 1476
102	CHEMICAL- METALS & ALLOYS	Iron.,Steel, Special Steel, Stainless Steel, Nickel & its alloy	Cobalt	ASTM E 1476
103	CHEMICAL- METALS & ALLOYS	Stainless steel	Carbon	ASTM E 1086
104	CHEMICAL- METALS & ALLOYS	Stainless steel	Carbon	IS 9879
105	CHEMICAL- METALS & ALLOYS	Stainless steel	Chromium	ASTM E 1086
106	CHEMICAL- METALS & ALLOYS	Stainless steel	Chromium	IS 9879
107	CHEMICAL- METALS & ALLOYS	Stainless steel	Copper	ASTM E 1086
108	CHEMICAL- METALS & ALLOYS	Stainless steel	Copper	IS 9879
109	CHEMICAL- METALS & ALLOYS	Stainless steel	Manganese	ASTM E 1086
110	CHEMICAL- METALS & ALLOYS	Stainless steel	Manganese	IS 9879
111	CHEMICAL- METALS & ALLOYS	Stainless steel	Molybdenum	ASTM E 1086
112	CHEMICAL- METALS & ALLOYS	Stainless steel	Molybdenum	IS 9879
113	CHEMICAL- METALS & ALLOYS	Stainless steel	Nickel	IS 9879

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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	Phosphorus	ASTM E 1086
115	CHEMICAL- METALS & ALLOYS	Stainless steel	Phosphorus	IS 9879
116	CHEMICAL- METALS & ALLOYS	Stainless steel	Silicon	ASTM E 1086
117	CHEMICAL- METALS & ALLOYS	Stainless steel	Silicon	IS 9879
118	CHEMICAL- METALS & ALLOYS	Stainless steel	Sulphur	ASTM E 1086
119	CHEMICAL- METALS & ALLOYS	Stainless steel	Sulphur	IS 9879
120	CHEMICAL- METALS & ALLOYS	Zinc Coated iron and steel articles	Mass of Zinc Coating	IS 6745 72
121	CHEMICAL- METALS & ALLOYS	Zinc Coated iron and steel articles	Mass of Zinc Coating	IS:10810
122	CHEMICAL- METALS & ALLOYS	Zinc Coated iron and steel articles	Uniformity of Zinc coating	IS 2633 86
123	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	10% Finess Value	IS 2386 (Part 4)
124	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Sieve Analysis	IS 2386 (Part 1)
125	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Extraction of bitumen	ASTM D2172 01
126	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks / Fly Ash Bricks / Pulverized Fuel Ash Lime Bricks	Compressive Strength	IS: 3495
127	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks / Fly Ash Bricks / Pulverized Fuel Ash Lime Bricks	Dimension - Height	IS:1077
128	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks / Fly Ash Bricks / Pulverized Fuel Ash Lime Bricks	Dimension - Length	IS 1077
129	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks / Fly Ash Bricks / Pulverized Fuel Ash Lime Bricks	Dimension - Width	IS 1077
130	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks / Fly Ash Bricks / Pulverized Fuel Ash Lime Bricks	Efflorescence	IS: 3495
131	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks / Fly Ash Bricks / Pulverized Fuel Ash Lime Bricks	Water Absorption	IS: 3495
132	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive Strength	IS 4031 (Part 6)

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133	MECHANICAL- BUILDINGS MATERIALS	Cement	Consistency	IS:4031(Part -4)
134	MECHANICAL- BUILDINGS MATERIALS	Cement	Drying Srinkage	IS:4031(Part -10)
135	MECHANICAL- BUILDINGS MATERIALS	Cement	Final Setting Time	IS:4031(Part -5)
136	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness by Blain's Air Permeability Method	IS:4031(Part -2)
137	MECHANICAL- BUILDINGS MATERIALS	Cement	Initial Setting Time	IS:4031(Part -5)
138	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness by Autoclave Expansion	IS 4031 Part 3
139	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness by Le-Chatelier Expansion	IS:4031(Part - 3)
140	MECHANICAL- BUILDINGS MATERIALS	Cement	Specific Gravity	IS 4031 Part 11
141	MECHANICAL- BUILDINGS MATERIALS	Cement concrete Cubes/Cores	Compressive Strength	IS 516
142	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Bulk Density	IS 2386 (Part 3)
143	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Crushing Value	IS 2386 (Part 4)
144	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Elongation Index	IS 2386 (Part 1)
145	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Flakiness Index	IS 2386 (Part 1)
146	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Impact Value	IS 2386 (Part 4)
147	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Material Finer than 75 Microns IS sieve	IS 2386 (Part 1)
148	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Specific Gravity	IS 2386 (Part 3)
149	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Water Absorption	IS 2386 (Part 3)
150	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Bulk Density	IS 2386 (Part 3)
151	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Material Finer than 75 Microns IS sieves	IS 2386 (Part 1)

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152	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Sieve Analysis	IS 2386 (Part 1)
153	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Silt Content	IS 2386 (Part 2)
154	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Specific Gravity	IS 2386 (Part 3)
155	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Water Absorption	IS 2386 (Part 3)
156	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Comparative Compressive Strength : 28 days	IS:1727
157	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Fineness by Blain's Air Permeability Method	IS:1727
158	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Lime Reactivity	IS:1727
159	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Particle Retained on 45 microns IS Sieve	IS:1727
160	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Soundness by Autoclave Expansion	IS:1727
161	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash Lime Bricks	Dimensions	IS 12894
162	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Alloys	% Of Elongation	ISO 6892-1
163	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non- Ferrous alloys	Bend Test (Plate, Bars, Strips, Sections & Sheet)	IS 1599
164	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Bolts M3 to M24	Shear Test	IS 12427
165	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Bolts M3 to M36	Shear Test	IS 1367 (Part-3)
166	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Bolts M3 to M36 Coarse Thread	Proof Load Test	IS 1367 (Part-3)
167	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Bolts M3 to M36 Coarse Thread	Tensile Test	IS 1367 (Part-3)

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168	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bolts M3 to M36 Coarse Thread	Wedge Load Test	IS 1367 (Part-3)
169	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bolts M5 to M10	Head Soundness Test	IS 1367 (Part-3)
170	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cladding Plates	Shear Test	ASME SEC II PART A SA 263 264 265 B898
171	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Alloys	% Of Elongation	ASTM A 370
172	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Alloys	0.2% proof stress	ASTM A 370
173	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Alloys	Tensile Strength	ASTM A 370
174	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous alloys	Vickers Hardness Test (HV10)	ASTM A 370
175	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Alloys(Reinforcement steel)	% Of Elongation	IS 1608 Part 1
176	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Alloys(Reinforcement steel)	0.2%proofstress	IS 1608
177	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Alloys(Reinforcement steel)	Tensile Strength	IS 1608 part1
178	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Vickers Hardness Test (HV 1)	ASTM A 370
179	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non- Ferrous Alloys	% of Reduction of Area	ASTM E8/E8M
180	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non- Ferrous Alloys	% of Reduction of Area	EN 10002-Part-1
181	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non- Ferrous alloys	% of Reduction of Area	IS 1608

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182	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non- Ferrous Alloys	% of Reduction of Area	ISO 6892-Part-1
183	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non- Ferrous alloys	Bend Test (Base Plate, Bars, Strips, Sections)	ASTM E 290
184	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non- Ferrous Alloys	Brinell Hardness Test	ASTM E 10
185	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non- Ferrous alloys	Brinell Hardness Test	IS 1500(Part 1)
186	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non- Ferrous alloys	Fusion welded joints- Bend Test	ASTM E190
187	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non- Ferrous alloys	Impact Test - Izod	EN ISO 15614-1
188	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non- Ferrous alloys	Impact Test - Izod	IBR 1950
189	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non- Ferrous alloys	Impact Test - Izod	IS 1598
190	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non- Ferrous Alloys	Impact Test Charpy U Notch - Room temperature	ASTM E 23
191	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non- Ferrous Alloys	Impact Test Charpy U Notch - Room temperature to -70 degree C	IS 1499
192	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non- Ferrous alloys	Impact Test Charpy V Notch - Room temperature to -70 degree C	EN ISO 148-1
193	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non- Ferrous alloys	Impact Test Charpy V Notch - Room temperature to -70 degree C	IS 1757 (Part 1)
194	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non- Ferrous alloys	Rockwell Hardness Test	ASTM E 18
195	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non- Ferrous alloys	Rockwell Hardness Test	IS 1586 (Part-1)

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196	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non- Ferrous alloys	Tensile Test	IS 1608 Part 1
197	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non- Ferrous Alloys	Vickers Hardness Test (HV 5)	ASTM E92
198	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non- Ferrous Alloys	Vickers Hardness Test (HV10)	ASTM E92
199	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non- Ferrous Alloys	Vickers Hardness Test (HV10)	EN 1043-1
200	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non- Ferrous Alloys	Vickers Hardness Test (HV10)	IS 1501(Part- 1)
201	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non- Ferrous Alloys	Vickers Hardness Test (HV10)	ISO 6507-1
202	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non- Ferrous Alloys	Vickers Hardness Test (HV10)	ISO 9015-1
203	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non- Ferrous Alloys	Vickers Hardness Test (HV30)	ASTM E 92
204	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non- Ferrous Alloys	Vickers Hardness Test (HV30)	EN 1043-1
205	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non- Ferrous Alloys	Vickers Hardness Test (HV30)	IS 1501(Part- 1)
206	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non- Ferrous Alloys	Vickers Hardness Test (HV30)	ISO 6507-1
207	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non- Ferrous Alloys	Vickers Hardness Test (HV30)	ISO 9015-1
208	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non- Ferrous Alloys	Vickers Hardness Test (HV5)	ISO 9015-1
209	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non- Ferrous Alloys	Vickers Hardness Test (HV5)	EN 1043-1

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210	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non- Ferrous Alloys	Vickers Hardness Test (HV5)	IS 1501(Part- 1)
211	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non- Ferrous Alloys	Vickers Hardness Test (HV5)	ISO 6507-1
212	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non- Ferrous alloys	Yield Strength	IS 1608
213	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non- Ferrous Alloys	Yield Strength	ISO 6892-1
214	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Alloys	Charpy 'V' Notch Impact Test - Room Temperature to -70DegreeC	ASTM E 23
215	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals	Tensile Strength	IS 7302
216	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous alloy	0.2%proofstress	ASTMA370
217	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Alloys	% of Reduction of Area	ASTM A 370
218	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous alloys	Bend Test (Base Plate, Bars, Strips, Sections)	ASTM A 370
219	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Alloys	Brinell Hardness Test	ASTM A 370
220	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Alloys	Charpy 'V' Notch Impact Test - Room Temperature to -70DegreeC	ASTM A 370
221	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous alloys	Rockwell Hardness Test	ASTM A 370
222	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Alloys	Tensile Test	ASTMA370
223	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous alloys	Vickers Hardness Test (HV30)	ASTM A 370

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224	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous alloys	Vickers Hardness Test (HV5)	ASTM A 370
225	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Alloys	Yield Strength	ASTM A 370
226	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Alloys (Pipes& Tubes)	Flattening Test	ASME Sec.II Part-A SA 450
227	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Alloys(Reinforcement steel)	0.2% proof stress	IS 1786
228	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous alloys(Reinforcement steel)	Mass per Running Meter	IS 1786
229	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Alloys(Reinforcement steel)	Tensile Strength	IS 1608 part1
230	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Alloys(Reinforcement steel)	Yield Strength	IS 1608 Part1
231	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Alloys(Pipes& Tubes)	Flattening Test	ASTM A 370
232	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous alloys(Pipes& Tubes)	Flattening Test	IS 2328
233	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous AlloysPipes& Tubes	Flaring Test	ASMESec.II Part-A SA 450
234	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous AlloysPipes& Tubes	Flaring Test	ASTM A 370
235	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous alloysPipes& Tubes	Flaring Test	IS 2335
236	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Alloys	% Of Elongation	ASTM E8/E8M
237	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Alloys	% Of Elongation	EN 10002-1

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238	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Alloys	0.2% proof stress	ASTM E8/E8M
239	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Alloys	0.2% proof stress	EN 10002-1
240	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Alloys	0.2% proof stress	ISO 6892-1
241	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Alloys	Tensile Strength	ASTM E8/E8M
242	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Alloys	Tensile Strength	EN 10002-1
243	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Alloys	Tensile Strength	ISO 6892-1
244	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Alloys	Ultimate Tensile Strength	IS 1608 Part-1
245	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous alloy	0.2% proof stress	IS 1608
246	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous alloy	0.2%proofstress	IS 1608 Part-1
247	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous alloy	0.2%proofstress	ISO6892-1
248	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous alloys	% Of Elongation	IS 1608
249	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Alloys	0.2% proofstress	ASTME8/E8M
250	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Alloys	0.2%proofstress	EN10002-1
251	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous alloys	Ultimate Tensile Strength	IS 1608

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252	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Metals	Micro Vickers Hardness HV(0.2)	ASTM E 384
253	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous Alloys	Vickers Hardness Test (HV1)	ISO 6501-1
254	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials: Carbon Steel	Through-Thickness tension testing of steel plates	ASTM A 770/A770M 03
255	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials: Carbon Steel	Through-Thickness tension testing of steel plates	DIN EN 10164
256	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous&Non-Ferrous Alloys	Vickers Hardness Test (HV1)	IS1501(Part-1)
257	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous&Non-Ferrous Alloys	Vickers HardnessTest (HV1)	ASTME384
258	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous&Non-Ferrous Alloys	VickersHardnessTest(HV1)	EN 1043-1
259	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous&Non-FerrousAlloys	Tensile strength	ASTME8/E8M
260	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous&Non-FerrousAlloys	Tensile strength	EN 10002-1
261	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous&Non-FerrousAlloys	Tensile Test	ISO6892-1
262	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous&Non-FerrousAlloys	VickersHardnessTest(HV1)	ISO 9015-1
263	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fusion Weld Joints Ferrous Materials Carbon Steel& Stainless Steel	Root Bend Test, Face Bend Test & Side Bend Test	API 1104
264	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fusion Weld Joints Ferrous Materials Carbon Steel& Stainless Steel	Root Bend Test, Face Bend Test & Side Bend Test	ASME Sec-IX
265	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fusion Weld Joints Ferrous Materials Carbon Steel& Stainless Steel	Root Bend Test, Face Bend Test & Side Bend Test	ASTM E 190

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266	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fusion Weld Joints Ferrous Materials Carbon Steel& Stainless Steel	Root Bend Test, Face Bend Test & Side Bend Test	AWS D1.1 D1.1M
267	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fusion Weld Joints Ferrous Materials Carbon Steel& Stainless Steel	Root Bend Test, Face Bend Test & Side Bend Test	BS EN ISO:15614- 1
268	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fusion Weld Joints Ferrous Materials Carbon Steel& Stainless Steel	Root Bend Test, Face Bend Test & Side Bend Test	IS 2825
269	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fusion Weld Joints Ferrous Materials Carbon Steel& Stainless Steel	Root Bend Test, Face Bend Test & Side Bend Test	IS 7302
270	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fusion Weld Joints Ferrous Materials Carbon Steel& Stainless Steel	Root Bend Test, Face Bend Test & Side Bend Test	IS 7307 (Part-1)
271	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fusion Weld Joints Ferrous Materials Carbon Steel& Stainless Steel	Root Bend Test, Face Bend Test & Side Bend Test	ISO 5173
272	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fusion Weld Joints in Ferrous & Non-Ferrous Metals	Tensile Strength(Transverse and all Welds)	IS 2825
273	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fusion Weld Joints in Ferrous & Non-Ferrous Metals	Tensile Strength(Transverse and all Welds)	ISO 4136
274	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fusion Weld Joints in Ferrous & Non-Ferrous Metals	Tensile Strength(Transverse)	API 1104
275	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fusion Weld Joints in Ferrous & Non-Ferrous Metals	Tensile Strength(Transverse)	ASME Sec-IX
276	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fusion Weld Joints in Ferrous & Non-Ferrous Metals	Tensile Strength(Transverse)	AWS D 1.1
277	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fusion Weld Joints in Ferrous & Non-Ferrous Metals	Tensile Strength(Transverse)	BS EN ISO 15614-1
278	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fusion Weld Joints in Ferrous and Non Ferrous Metals	All Weld Test	ASME SEC-II Part-C
279	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fusion Weld Joints in Ferrous and Non Ferrous Metals	All Weld Test	IBR 1950

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280	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fusion Weld Joints in Ferrous and Non Ferrous Metals	All Weld Test	IS 2825
281	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fusion Weld Joints in Ferrous and Non Ferrous Metals	Filet Weld Fracture Test	ISO 9017
282	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fusion Weld Joints in Ferrous and Non Ferrous Metals	Filet Weld Fracture Test	BS EN 9606- 1
283	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fusion Weld Joints in Ferrous and Non Ferrous Metals	Fillet Weld Fracture Test	ASME Sec IX
284	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fusion Weld Joints in Ferrous and Non Ferrous Metals	Fillet Weld Fracture Test	IS 2825
285	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fusion Weld Joints in Ferrous and Non Ferrous Metals	Fillet Weld Fracture Test	IS 7307 (Part-1)
286	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fusion Weld Joints in Ferrous and Non Ferrous Metals	Nick Break Test	API 1104
287	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fusion Weld Joints in Ferrous and Non Ferrous Metals	Nick Break Test	IS 2825
288	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fusion Weld Joints in Ferrous and Non Ferrous Metals	Transverse and longitudinal tensile strength	ASME Sec IX
289	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Alloys	% Of Elongation	ASTM B 557
290	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Alloys	0.2% proof stress	ASTM B 557
291	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Alloys	Tensile Strength	ASTM B 557
292	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Alloy	0.2%proofstress	ASTMB557
293	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non- Ferrous Alloys	Yield Strength	ASTM B 557

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294	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Alloys	TensileTest	ASTMB557
295	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Nuts M3 to M36 Coarse Thread	Proof Load Test	IS 1367 (Part-6)
296	MECHANICAL-MECHANICAL PROPERTIES OF METALS	TMT Bars	Bend Test	IS 1599
297	MECHANICAL-MECHANICAL PROPERTIES OF METALS	TMT Bars	Re Bend Test	IS 1786
298	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Washers (Spring Washers)	Permanent Load Test	IS 3063
299	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Washers (Spring Washers)	Permanent Set Test	IS 3063
300	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Washers (Spring Washers)	Twist Test	IS 3063
301	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded products-Ferrous & Non- Ferrous alloys	Charpy 'V' Notch Impact Test - Room Temperature to -70DegreeC	ISO 9016
302	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens	Nick Break Test	IS 2825-1969
303	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Stee	IGC Practice - 'B'	ASTM A 262
304	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	IGC Practice - 'A'	ASTM A 262
305	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	IGC Practice - 'C'	ASTM A 262
306	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	IGC Practice - 'F'	ASTM A 262
307	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	IGC Practice E	ASTM A 262
308	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non- Ferrous Metals	Apparent Grain Size by Micro graphic	IS 4748

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309	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non-Ferrous Alloys	Macro Etch Test	BS EN 1321
310	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non-Ferrous Alloys	Macro Etch Test	ISO 17639
311	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non-Ferrous Metals	Apparent Grain Size by Microscopic Method	ASTM E 112
312	MECHANICAL-METALLOGRAPHY TEST	Ferrous and Non- Ferrous alloys	Macro Etch Test	ASTM E 340
313	MECHANICAL-METALLOGRAPHY TEST	Ferrous and non- ferrous Materials	Phase Analysis	ASM VOL 9
314	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material	Decarburization Depth Microscopic Method	ASTM E 1077
315	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material	Decarburization Depth Microscopic Method	IS 6396
316	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material	Decarburization depth Microscopic Method	ISO 3887
317	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals	Content of Non Metallic Inclusions	IS 4163
318	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals	Content of Non-Metallic Inclusions	ASTM E 45
319	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals	Graphite in Cast Iron	ASTM A 247
320	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals	Graphite in Cast Iron	IS 7754
321	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals	Measuring case depth of steel	IS 6416
322	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymeric Materials	Shore Hardness A	ASTM D 2240
323	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymeric Materials	Shore Hardness D	ASTM D 2240
324	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymeric Materials	Shore Hardness D	IS:3400 (Part23) Sec 1
325	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymeric Materials	Tensile Strength	ISO 37
326	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymeric Products	Shore Hardness A	IS:3400 (Part23) Sec 1
327	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Rubber & Rubber Products	Compression set 24 hrs at 70 degrees Celsius	IS:3400 (Part10)

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328	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Rubber & Rubber Products	Elongation at Break	IS:3400 (Part1)
329	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Rubber & Rubber Products	Elongation at Break	ISO 37
330	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Rubber & Rubber Products	Heat Resistance	IS:3400 (Part4)
331	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Rubber & Rubber Products	Heat Resistance	ISO 188
332	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Rubber & Rubber Products	Shore A Hardness	ASTM D2240
333	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Rubber & Rubber Products	Shore A Hardness	IS 3400 (Part 23)
334	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Rubber & Rubber Products	Shore D Hardness	IS 3400 (Part 23)
335	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Rubber & Rubber Products	Tensile Strength	IS:3400 (Part1)
336	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Rubber & Rubber Products	Tensile Strength	ISO 37
337	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Rubber & Rubber Products	Shore Hardness D	ASTM D2240
338	MECHANICAL- SOIL AND ROCK	Clays & Soils	Free Swell Index Soils	IS 2720 Part 40
339	MECHANICAL- SOIL AND ROCK	Clays & Soils	Grain Size analysis	IS 2720 Part 4
340	MECHANICAL- SOIL AND ROCK	Clays & Soils	Moisture Content	IS 2720 Part 2
341	MECHANICAL- SOIL AND ROCK	Clays & Soils	OMC & MDD SOIL (Heavy Compaction)	IS 2720 Part8
342	MECHANICAL- SOIL AND ROCK	Clays & Soils	OMC & MDD SOIL (Light Compaction)	IS 2720 Part 7
343	MECHANICAL- SOIL AND ROCK	Clays & Soils	Plastic Index	IS 2720 Part 5
344	MECHANICAL- SOIL AND ROCK	Clays & Soils	Plastic Limit Soil	IS 2720
345	MECHANICAL- SOIL AND ROCK	Clays & Solis	Liquid Limit Soil	IS 2720
346	NON-DESTRUCTIVE-METALS & ALLOYS	Casting of carbon and low alloy steels	Ultrasonic Testing (UT)	IS 7666

SCOPE OF ACCREDITATION

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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
347	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Metals Plates,Pipes and rolled products and Welds	Ultrasonic Testing (UT)	AWS D1.1/ D1.1M
348	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Metals & Alloy Plates,	Ultrasonic Testing (UT)	ASTM A 577
349	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Metals & Alloy Plates, Welds, Pipes	Ultrasonic Testing (UT)	IS 4260
350	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Pipes and tubes	Ultrasonic Testing (UT)	ASTM E 213
351	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous , Forged products	Ultrasonic Testing (UT)	ASTM A 388
352	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous - Casting	Ultrasonic Testing (UT)	ASTM A 609
353	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous - Steel Casting products	Liquid Penetrant Examination (LPE) (Visible Penetrant/Fluorescent Method)	IS:11732
354	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and non Ferrous Plate Pipe Rolled products and welds	Ultrasonic Testing (UT)	ASME Sec-VIII Div 1 Appx.12
355	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Forged products	Ultrasonic Testing (UT)	ASTM A 745
356	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous metal alloys for plates welds pipes and rolled products	Ultrasonic Testing (UT)	API 1104
357	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Metals - Castings	Magnetic Particle Examination (MPE) (Yoke & Prod)-Wet & Dry, Fluorescent and Non-Fluorescent, (Visible Method)	IS:10724
358	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Metals -Welds	Magnetic Particle Examination (MPE) (Yoke & Prod)-Wet & Dry, Fluorescent and Non-Fluorescent, (Visible Method)	AWS D.1.1
359	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Metals Plates and welds	Liquid Penetrant Examination (LPE) (Visible Penetrant/Fluorescent Method)	IS 3658
360	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous, Metals & Alloy Plates	Ultrasonic Testing (UT)	ASTM A 435
361	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous, and Non –Ferrous, Metals & Alloy Plates	Ultrasonic Testing (UT)	ASTM A 578
362	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous, and Non –Ferrous, Metals & Alloy Plates, Pipes	Ultrasonic Testing (UT)	IS 4225
363	NON-DESTRUCTIVE-METALS & ALLOYS	Metallic products and Materials	Gamma-Ray Radiography	IS 2595

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364	NON-DESTRUCTIVE-METALS & ALLOYS	Metals & Alloy Plates Pipes, Forging, Casting, welds	Magnetic Particle Examination (MPE) (Yoke & Prod)-Wet & Dry, Fluorescent and Non-Fluorescent, (Visible Method)	IS:3703
365	NON-DESTRUCTIVE-METALS & ALLOYS	Metals & Alloy Plates,Welds, Pipes (Ferrous, and Non Ferrous)	Magnetic Particle Examination (MPE) (Yoke & Prod)-Wet & Dry, Fluorescent and Non-Fluorescent, (Visible Method)	ASTM-E1444-E1
366	NON-DESTRUCTIVE-METALS & ALLOYS	Metals & Aloy Plates,Welds, Pipes, Forging, Casting, (Ferrous, and Non Ferrous)	Magnetic Particle Examination (MPE) (Yoke & Prod)-Wet & Dry, Fluorescent and Non-Fluorescent (Visible Method).	ASTM E-709-15
367	NON-DESTRUCTIVE-METALS & ALLOYS	Metals & Aloy Plates,Welds, Pipes, Forging, Casting, (Ferrous, and Non Ferrous)	Magnetic Particle Examination (MPE) (Yoke & Prod)-Wet & Dry, Fluorescent and Non-Fluorescent, (Visible Method)	ASME Sec V Article 7
368	NON-DESTRUCTIVE-METALS & ALLOYS	Metals & Aloys, Plates,Welds, Pipes, Forging, Casting, (Ferrous, and Non Ferrous)	Liquid Penetrant Examination (LPE) (Visible Penetrant/Fluorescent Method)	ASME Sec V Article 6
369	NON-DESTRUCTIVE-METALS & ALLOYS	Metals & Aloys, Plates,Welds, Pipes, Forging, Casting, (Ferrous, and Non Ferrous)	Liquid Penetrant Examination (LPE) (Visible Penetrant/Fluorescent Method)	ASTM E 1417-16
370	NON-DESTRUCTIVE-METALS & ALLOYS	Metals & Aloys, Plates,Welds, Pipes, Forging, Casting, (Ferrous, and Non Ferrous)	Liquid Penetrant Examination (LPE) (Visible Penetrant/Fluorescent Method)	ASTM E 165-18
371	NON-DESTRUCTIVE-METALS & ALLOYS	Metals & Aloys, Plates,Welds, Pipes, Forging, Casting, (Ferrous, and Non Ferrous)	Liquid Penetrant Examination (LPE) (Visible Penetrant/Fluorescent Method)	IS:12889
372	NON-DESTRUCTIVE-METALS & ALLOYS	Metals Steel Forged products	Magnetic Particle Examination (MPE) (Yoke & Prod)-Wet & Dry, Fluorescent and Non-Fluorescent, (Visible Method)	IS:7743
373	NON-DESTRUCTIVE-METALS & ALLOYS	Non –Ferrous, Metals & Alloy Plates.	Ultrasonic Testing (UT)	ASTM B 548
374	NON-DESTRUCTIVE-METALS & ALLOYS	Plates, Welds, Pipes, Forging, Castings, (Ferrous, and Non-Non Ferrous)	Gamma-Ray Radiography	ASME Sec VIII Div 1 UW 51 and 52
375	NON-DESTRUCTIVE-METALS & ALLOYS	Plates, Welds, Pipes, Forging, Castings, (Ferrous, and Non-Non Ferrous)	Gamma-Ray Radiography	ASTM - 446
376	NON-DESTRUCTIVE-METALS & ALLOYS	Plates, Welds, Pipes, Forging, Castings, (Ferrous, and Non-Non Ferrous)	Gamma-Ray Radiography	ASTM -192
377	NON-DESTRUCTIVE-METALS & ALLOYS	Plates, Welds, Pipes, Forging, Castings, (Ferrous, and Non-Non Ferrous)	Gamma-Ray Radiography	ASTM E 272-19 ASTM -186

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Site Facility				
1	NON-DESTRUCTIVE-METALS & ALLOYS	Casting of carbon and low alloy steels	Ultrasonic Testing (UT)	IS 7666
2	NON-DESTRUCTIVE-METALS & ALLOYS	Castings, (Ferrous, and Non Ferrous)	Gamma-Ray Radiography	IS 12938
3	NON-DESTRUCTIVE-METALS & ALLOYS	Castings, (Ferrous, and Non- Non Ferrous)	Gamma Ray and Xray	ASTM E1030
4	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Metals Plates,Pipes and rolled products and Welds	Ultrasonic Testing (UT)	AWS D1.1/ D1.1M
5	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Metals & Alloy Plates,	Ultrasonic Testing (UT)	ASTM A 577
6	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Metals & Alloy Plates, Welds, Pipes	Ultrasonic Testing (UT)	IS 4260
7	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Pipes and tubes	Ultrasonic Testing (UT)	ASTM E 213
8	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous , Forged products	Ultrasonic Testing (UT)	ASTM A 388
9	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous - Casting	Ultrasonic Testing (UT)	ASTM A 609
10	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous - Steel Casting products	Liquid Penetrant Examination (LPE) (Visible Penetrant/Fluorescent Method)	IS:11732
11	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous -Fusion butt welded steel plates	Gamma-RayRadiography	IS1182-1983
12	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and Non Ferrous Casting Products	Xray and Gamma Ray	ASME Sev V Article 22
13	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and non Ferrous Plate Pipe Rolled products and welds	Ultrasonic Testing (UT)	ASME Sec-VIII Div 1 Appx.12
14	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Forged products	Ultrasonic Testing (UT)	ASTM A 745
15	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous metal alloys for plates welds pipes and rolled products	Ultrasonic Testing (UT)	API 1104
16	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Metals - Castings	Magnetic Particle Examination (MPE) (Yoke & Prod)-Wet & Dry, Fluorescent and Non-Fluorescent, (Visible Method)	IS:10724

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17	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Metals -Welds	Magnetic Particle Examination (MPE) (Yoke & Prod)-Wet & Dry, Fluorescent and Non-Fluorescent, (Visible Method)	AWS D.1.1
18	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Metals Plates and welds	Liquid Penetrant Examination (LPE) (Visible Penetrant/Fluorescent Method)	IS 3658
19	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Plates, Welds, Pipes for structural steel	X-Ray Radiography	AWS D 1.1
20	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous, Metals & Alloy Plates	Ultrasonic Testing (UT)	ASTM A 435
21	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous, and Metals & Alloy Plates	Ultrasonic Testing (UT)	IS 3664
22	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous, and Non –Ferrous, Metals & Alloy Plates	Ultrasonic Testing (UT)	ASTM A 578
23	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous, and Non –Ferrous, Metals & Alloy Plates, Pipes	Ultrasonic Testing (UT)	IS 4225
24	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous, and Non –Ferrous, Metals & Alloy Plates, Welds, Pipes, Rolled Products, Forging, Casting	Ultrasonic Testing (UT)	ASME Sec V Article 4, 5, 23
25	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous- Fusion welding of steel pipes.	Gamma-Ray Radiography	IS 4853
26	NON-DESTRUCTIVE-METALS & ALLOYS	Metallic products and Materials	Gamma-Ray Radiography	IS 2595
27	NON-DESTRUCTIVE-METALS & ALLOYS	Metals & Alloy Plates Pipes, Forging, Casting, welds	Magnetic Particle Examination (MPE) (Yoke & Prod)-Wet & Dry, Fluorescent and Non-Fluorescent, (Visible Method)	IS:3703
28	NON-DESTRUCTIVE-METALS & ALLOYS	Metals & Alloy Plates,Welds, Pipes (Ferrous, and Non Ferrous)	Magnetic Particle Examination (MPE) (Yoke & Prod)-Wet & Dry, Fluorescent and Non-Fluorescent, (Visible Method)	ASTM-E1444-E1
29	NON-DESTRUCTIVE-METALS & ALLOYS	Metals & Aloy Plates,Welds, Pipes, Forging, Casting, (Ferrous, and Non Ferrous)	Magnetic Particle Examination (MPE) (Yoke & Prod)-Wet & Dry, Fluorescent and Non-Fluorescent (Visible Method).	ASTM E-709-15
30	NON-DESTRUCTIVE-METALS & ALLOYS	Metals & Aloy Plates,Welds, Pipes, Forging, Casting, (Ferrous, and Non Ferrous)	Magnetic Particle Examination (MPE) (Yoke & Prod)-Wet & Dry, Fluorescent and Non-Fluorescent, (Visible Method)	ASME Sec V Article 7

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31	NON-DESTRUCTIVE-METALS & ALLOYS	Metals & Aloys, Plates,Welds, Pipes, Forging, Casting, (Ferrous, and Non Ferrous)	Liquid Penetrant Examination (LPE) (Visible Penetrant/Fluorescent Method)	ASME Sec V Article 6
32	NON-DESTRUCTIVE-METALS & ALLOYS	Metals & Aloys, Plates,Welds, Pipes, Forging, Casting, (Ferrous, and Non Ferrous)	Liquid Penetrant Examination (LPE) (Visible Penetrant/Fluorescent Method)	ASTM E 1417-16
33	NON-DESTRUCTIVE-METALS & ALLOYS	Metals & Aloys, Plates,Welds, Pipes, Forging, Casting, (Ferrous, and Non Ferrous)	Liquid Penetrant Examination (LPE) (Visible Penetrant/Fluorescent Method)	ASTM E 165-18
34	NON-DESTRUCTIVE-METALS & ALLOYS	Metals & Aloys, Plates,Welds, Pipes, Forging, Casting, (Ferrous, and Non Ferrous)	Liquid Penetrant Examination (LPE) (Visible Penetrant/Fluorescent Method)	IS:12889
35	NON-DESTRUCTIVE-METALS & ALLOYS	Metals Steel Forged products	Magnetic Particle Examination (MPE) (Yoke & Prod)-Wet & Dry, Fluorescent and Non-Fluorescent, (Visible Method)	IS:7743
36	NON-DESTRUCTIVE-METALS & ALLOYS	Non –Ferrous, Metals & Alloy Plates.	Ultrasonic Testing (UT)	ASTM B 548
37	NON-DESTRUCTIVE-METALS & ALLOYS	Plates, Welds, Pipes, Castings, (Ferrous, and Non- Non Ferrous)	Gamma-Ray Radiography	IS 2953
38	NON-DESTRUCTIVE-METALS & ALLOYS	Plates, Welds, Pipes, Forging, Castings, (Ferrous, and Non-Non Ferrous)	Gamma-Ray Radiography	ASME Sec VIII Div 1 UW 51 and 52
39	NON-DESTRUCTIVE-METALS & ALLOYS	Plates, Welds, Pipes, Forging, Castings, (Ferrous, and Non-Non Ferrous)	Gamma-Ray Radiography	ASTM - 446
40	NON-DESTRUCTIVE-METALS & ALLOYS	Plates, Welds, Pipes, Forging, Castings, (Ferrous, and Non-Non Ferrous)	Gamma-Ray Radiography	ASTM -192
41	NON-DESTRUCTIVE-METALS & ALLOYS	Plates, Welds, Pipes, Forging, Castings, (Ferrous, and Non-Non Ferrous)	Gamma-Ray Radiography	ASTM E 272-19 ASTM -186
42	NON-DESTRUCTIVE-METALS & ALLOYS	Plates, Welds, Pipes, Forging, Castings, (Ferrous, and Non-Non Ferrous)	X-Ray and Gamma Radiography	ASME Sec VIII Div 1 UW 51
43	NON-DESTRUCTIVE-METALS & ALLOYS	Plates, Welds, Pipes, Forging, Castings, (Ferrous, and Non-Non Ferrous)	X-Ray Radiography	ASME Sec III Div-1 & II
44	NON-DESTRUCTIVE-METALS & ALLOYS	Plates, Welds, Pipes, Forging, Castings, (Ferrous, and Non-Non Ferrous)	X-Ray Radiography	ASME Sec V Article 2 & 22
45	NON-DESTRUCTIVE-METALS & ALLOYS	Plates, Welds, Pipes, Forging, Castings, (Ferrous, and Non-Non Ferrous)	X-Ray Radiography	ASME Sec-IX QW 191.1
46	NON-DESTRUCTIVE-METALS & ALLOYS	Plates, Welds, Pipes, Forging, Castings, (Ferrous, and Non-Non Ferrous)	X-Ray Radiography	ASMESec VIII Div-1 UW 51
47	NON-DESTRUCTIVE-METALS & ALLOYS	Plates, Welds, Pipes, Forging, Castings, (Ferrous, and Non-Non Ferrous)	X-Ray Radiography	SE94/SE1030