



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name OMEGA INSPECTION AND ANALYTICAL LABORATORY, 57, 58 & 35, 36, INDUSTRIAL ESTATE, GUINDY, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6247 Page No. : 1 / 59

Validity 04/09/2019 to 03/09/2021 Last Amended on -

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
Permanent Facility				
1	CHEMICAL- BUILDING MATERIAL	Admixture	Ash Content	IS 9103: 1999
2	CHEMICAL- BUILDING MATERIAL	Admixture	Chloride	IS 6925 Clause 5: 1973
3	CHEMICAL- BUILDING MATERIAL	Admixture	Dry Material Content	IS 9103: 1999
4	CHEMICAL- BUILDING MATERIAL	Admixture	pH	IS 9103: 1999
5	CHEMICAL- BUILDING MATERIAL	Admixture	Relative Density	IS 9103: 1999
6	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, SRPC, PSC)	Alkali Content - Potassium as K ₂ O	IS 4032 Clause 4.11: 1985
7	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, SRPC, PSC)	Alkali Content - Sodium as Na ₂ O	IS 4032 Clause 4.11: 1985
8	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, SRPC, PSC)	Alumina as Al ₂ O ₃	IS 4032 Clause 4.6.2: 1985
9	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, SRPC, PSC)	Calcium oxide as CaO	IS 4032 Clause 4.7.2: 1985
10	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, SRPC, PSC)	Chloride Content	IS 4032 Clause 4.13: 1985
11	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, SRPC, PSC)	Insoluble Residue	IS 4032 Clause 4.10: 1985
12	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, SRPC, PSC)	Iron oxide as Fe ₂ O ₃	IS 4032 Clause 4.5.2: 1985
13	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, SRPC, PSC)	Magnesia as MgO	IS 4032 Clause 4.8.2: 1985
14	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, SRPC, PSC)	Silica as SiO ₂	IS 4032 Clause 4.3: 1985

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



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
15	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, SRPC, PSC)	Total loss on ignition	IS 4032 Clause 4.2: 1985
16	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, SRPC, PSC)	Total Sulphur content calculated as Sulphuric anhydride (SO ₃)	IS 4032 Clause 4.9: 1985
17	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Boron	ASTM E1251: 2017
18	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Chromium	ASTM E1251: 2017
19	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Cobalt	ASTM E1251: 2017
20	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Copper	ASTM E1251: 2017
21	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Iron	ASTM E1251: 2017
22	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Lead	ASTM E1251: 2017
23	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Magnesium	ASTM E1251: 2017
24	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Manganese	ASTM E1251: 2017
25	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Nickel	ASTM E1251: 2017
26	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Silicon	ASTM E1251: 2017
27	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Tin	ASTM E1251: 2017
28	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Titanium	ASTM E1251: 2017



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
29	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Vanadium	ASTM E1251: 2017
30	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Zinc	ASTM E1251: 2017
31	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Zirconium	ASTM E1251: 2017
32	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Carbon	ASTM E 1999: 2018
33	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Carbon	JIS G 1253: 2013
34	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Chromium	JIS G 1253: 2013
35	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Chromium	ASTM E 1999: 2018
36	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Copper	JIS G 1253: 2013
37	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Copper	ASTM E 1999: 2018
38	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Manganese	JIS G 1253: 2013
39	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Manganese	ASTM E 1999: 2018
40	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Molybdenum	ASTM E 1999: 2018
41	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Molybdenum	JIS G 1253: 2013
42	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Nickel	ASTM E 1999: 2016



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
43	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Nickel	JIS G 1253: 2013
44	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Phosphorous	JIS G 1253: 2013
45	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Phosphorous	ASTM E 1999: 2018
46	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Silicon	ASTM E 1999: 2018
47	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Silicon	JIS G 1253: 2013
48	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Sulphur	ASTM E 1999: 2018
49	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Sulphur	JIS G 1253: 2013
50	CHEMICAL- METALS & ALLOYS	Copper Base Alloy	Copper	ASTM E 1916: 2011
51	CHEMICAL- METALS & ALLOYS	Copper Base Alloy	Chromium	BS EN 15079: 2015
52	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Aluminium	BS EN 15079: 2015
53	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Bismuth	BS EN 15079: 2015
54	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Chromium	ASTM E1916: 2011
55	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Cobalt	BS EN 15079: 2015
56	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Copper	ASTM E1916: 2011



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
57	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Iron	BS EN 15079: 2015
58	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Iron	ASTM E1916: 2011
59	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Lead	BS EN 15079: 2015
60	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Lead	ASTM E1916: 2011
61	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Magnesium	BS EN 15079: 2015
62	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Manganese	BS EN 15079: 2015
63	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Manganese	ASTM E1916: 2011
64	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Nickel	BS EN 15079: 2015
65	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Nickel	ASTM E1916: 2011
66	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Phosphorous	BS EN 15079: 2015
67	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Silicon	BS EN 15079: 2015
68	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Silver	BS EN 15079: 2015
69	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Sulphur	BS EN 15079: 2015
70	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Tin	BS EN 15079: 2015



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
71	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Tin	ASTM E1916: 2011
72	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Zinc	BS EN 15079: 2015
73	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Zinc	ASTM E1916: 2011
74	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Antimony	ASTM E 1916: 2011
75	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Chromium	ASTM E 1916: 2011
76	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Cobalt	ASTM E 1916: 2011
77	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Copper	ASTM E 1916: 2011
78	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Iron	ASTM E 1916: 2011
79	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Lead	ASTM E 1916: 2011
80	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Manganese	ASTM E 1916: 2011
81	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Molybdenum	ASTM E 1916: 2011
82	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Nickel	ASTM E 1916: 2011
83	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Niobium	ASTM E 1916: 2011
84	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Tin	ASTM E 1916: 2011



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
85	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Titanium	ASTM E 1916: 2011
86	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Tungsten	ASTM E 1916: 2011
87	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Vanadium	ASTM E 1916: 2011
88	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Aluminium	OIAL/NI/TP-01: 2009
89	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Aluminium	ASTM E3047: 2016
90	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Carbon	ASTM E3047: 2016
91	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Carbon	OIAL/NI/TP-01: 2009
92	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Chromium	ASTM E3047: 2016
93	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Cobalt	ASTM E3047 : 2016
94	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Cobalt	OIAL/NI/TP-01: 2009
95	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Copper	ASTM E 3047: 2016
96	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Copper	OIAL/NI/TP-01: 2009
97	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Iron	OIAL/NI/TP-01: 2009
98	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Iron	ASTM E 3047: 2016



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
99	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Manganese	ASTM E 3047: 2016
100	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Manganese	OIAL/NI/TP-01: 2009
101	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Molybdenum	ASTM E 3047: 2016
102	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Molydenum	OIAL/NI/TP-01: 2009
103	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Nickel	ASTM E 1916: 2011
104	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Niobium	ASTM E 3047: 2016
105	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Niobium	OIAL/NI/TP-01: 2009
106	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Phosphorous	OIAL/NI/TP-01: 2009
107	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Phosphorous	ASTM E 3047: 2016
108	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Silicon	ASTM E 3047: 2016
109	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Silicon	OIAL/NI/TP-01: 2009
110	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Sulphur	OIAL/NI/TP-01: 2009
111	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Sulphur	ASTM E 3047: 2016
112	CHEMICAL- METALS & ALLOYS	Nickel Base alloy	Titanium	ASTM E 3047: 2016



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
113	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Titanium	OIAL/NI/TP-01: 2009
114	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Tungsten	OIAL/NI/TP-01: 2009
115	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Tungsten	ASTM E 3047: 2016
116	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Vanadium	ASTM E 3047: 2016
117	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Vanadium	OIAL/NI/TP-01: 2009
118	CHEMICAL- METALS & ALLOYS	Nickel Base Alloys	Chromium	OIAL/NI/TP-01: 2009
119	CHEMICAL- METALS & ALLOYS	Nickel Base Alloys	Chromium	ASTM E 1916: 2011
120	CHEMICAL- METALS & ALLOYS	Nickel Base Alloys	Cobalt	ASTM E 1916: 2011
121	CHEMICAL- METALS & ALLOYS	Nickel Base Alloys	Copper	ASTM E 1916: 2011
122	CHEMICAL- METALS & ALLOYS	Nickel Base Alloys	Iron	ASTM E 1916: 2011
123	CHEMICAL- METALS & ALLOYS	Nickel Base Alloys	Manganese	ASTM E 1916: 2011
124	CHEMICAL- METALS & ALLOYS	Nickel Base Alloys	Molybdenum	ASTM E 1916: 2011
125	CHEMICAL- METALS & ALLOYS	Nickel Base Alloys	Nickel	ASTM E 1916: 2011
126	CHEMICAL- METALS & ALLOYS	Nickel Base Alloys	Niobium	ASTM E 1916: 2011



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
127	CHEMICAL- METALS & ALLOYS	Nickel Base Alloys	Titanium	ASTM E 1916: 2011
128	CHEMICAL- METALS & ALLOYS	Nickel Base Alloys	Tungsten	ASTM E 1916: 2011
129	CHEMICAL- METALS & ALLOYS	Nickel Base Alloys	Vanadium	ASTM E 1916: 2011
130	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Aluminium	ASTM E415: 2017
131	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Aluminium	IS 8811: 1998, RA 2018
132	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Aluminium	JIS G1253: 2013
133	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Boron	JIS G1253: 2013
134	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Boron	IS 8811: 1998, RA 2018
135	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Boron	ASTM E415: 2017
136	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Carbon	IS 8811: 1998, RA 2018
137	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Carbon	ASTM E415: 2017
138	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Carbon	JIS G1253: 2013
139	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Chromium	IS 8811: 1998, RA 2018
140	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Chromium	ASTM E415: 2017



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141	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Chromium	JIS G1253: 2013
142	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Cobalt	JIS G1253: 2013
143	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Cobalt	ASTM E415: 2017
144	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Cobalt	IS 8811: 1998, RA 2018
145	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Copper	IS 8811: 2012
146	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Copper	ASTM E415: 2017
147	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Copper	JIS G1253: 2013
148	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Lead	JIS G1253: 2013
149	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Lead	IS 8811: 1998, RA 2018
150	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Manganese	IS 8811: 1998, RA 2018
151	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Manganese	ASTM E415: 2017
152	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Manganese	JIS G1253: 2013
153	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Molybdenum	JIS G1253: 2013
154	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Molybdenum	ASTM E415: 2017



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155	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Molybdenum	IS 8811: 1998, RA 2018
156	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Nickel	IS 8811: 1998, RA 2018
157	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Nickel	ASTM E415: 2017
158	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Nickel	JIS G1253: 2013
159	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Niobium	JIS G1253: 2013
160	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Niobium	ASTM E415: 2017
161	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Niobium	IS 8811: 1998, RA 2018
162	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Nitrogen	ASTM E415: 2017
163	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Nitrogen	IS 8811: 1998, RA 2018
164	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Nitrogen	JIS G1253: 2013
165	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Phosphorous	JIS G1253: 2013
166	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Phosphorous	IS 8811: 1998, RA 2018
167	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Phosphorous	ASTM E415: 2017
168	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Silicon	ASTM E415: 2017



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169	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Silicon	JIS G1253: 2013
170	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Silicon	IS 8811: 1998, RA 2018
171	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Sulphur	IS 8811: 1998, RA 2018
172	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Sulphur	ASTM E415: 2017
173	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Sulphur	JIS G1253: 2013
174	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Titanium	JIS G1253: 2013
175	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Titanium	ASTM E415: 2017
176	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Titanium	IS 8811: 1998, RA 2018
177	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Tungsten	IS 8811: 1998, RA 2018
178	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Tungsten	JIS G1253: 2013
179	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Vanadium	JIS G1253: 2013
180	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Vanadium	ASTM E415: 2017
181	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Vanadium	IS 8811: 1998, RA 2018
182	CHEMICAL- METALS & ALLOYS	Stainless Steel	Aluminium	IS 9879: 1998, RA 2015



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
183	CHEMICAL- METALS & ALLOYS	Stainless Steel	Boron	IS 9879: 1998, RA 2015
184	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	IS 9879: 1998, RA 2015
185	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	ASTM E1086: 2014
186	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	ASTM E1086: 2014
187	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	IS 9879: 1998, RA 2015
188	CHEMICAL- METALS & ALLOYS	Stainless Steel	Cobalt	IS 9879: 1998, RA 2015
189	CHEMICAL- METALS & ALLOYS	Stainless Steel	Cobalt	JIS G1253: 2013
190	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	ASTM E1086: 2014
191	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	IS 9879: 1998, RA 2015
192	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	ASTM E1086: 2014
193	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	IS 9879: 1998, RA 2015
194	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	ASTM E1086: 2014
195	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	IS 9879: 1998, RA 2015
196	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	IS 9879: 1998, RA 2015



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
197	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	ASTM E1086: 2013
198	CHEMICAL- METALS & ALLOYS	Stainless Steel	Niobium	IS 9879: 1998, RA 2015
199	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nitrogen	IS 9879: 1998, RA 2015
200	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	ASTM E1086: 2014
201	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	IS 9879: 1998, RA 2015
202	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	IS 9879: 1998, RA 2015
203	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	ASTM E1086: 2014
204	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	IS 9879: 1998, RA 2015
205	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	ASTM E1086: 2014
206	CHEMICAL- METALS & ALLOYS	Stainless Steel	Titanium	IS 9879: 1998, RA 2015
207	CHEMICAL- METALS & ALLOYS	Stainless Steel	Tungsten	IS 9879: 1998, RA 2015
208	CHEMICAL- METALS & ALLOYS	Stainless Steel	Vanadium	IS 9879: 1998, RA 2015
209	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Aluminium	JIS G1253: 2013
210	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Boron	JIS G1253: 2013



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
211	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Carbon	JIS G1253: 2013
212	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Chromium	JIS G1253: 2013
213	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Copper	JIS G1253: 2013
214	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Manganese	JIS G1253: 2013
215	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Molybdenum	JIS G1253: 2013
216	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Nickel	JIS G1253: 2013
217	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Niobium	JIS G1253: 2013
218	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Nitrogen	JIS G1253: 2013
219	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Phosphorus	JIS G1253: 2013
220	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Silicon	JIS G1253: 2013
221	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Sulphur	JIS G1253: 2013
222	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Titanium	JIS G1253: 2013
223	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Tungsten	JIS G1253: 2013
224	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Vanadium	JIS G1253: 2013



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
225	CHEMICAL- METALS & ALLOYS	Titanium Base Alloy	Iron	ASTM E 1916: 2011
226	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Aluminium	ASTM E 2994: 2016
227	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Aluminium	OIAL/Ti/TP/02: 2009
228	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Carbon	OIAL/Ti/TP/02: 2009
229	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Chromium	ASTM E 2994: 2016
230	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Chromium	OIAL/Ti/TP/02: 2009
231	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Chromium	ASTM E1916: 2011
232	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Copper	OIAL/Ti/TP/02: 2009
233	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Copper	ASTM E 2994: 2016
234	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Copper	ASTM E1916: 2011
235	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Iron	ASTM E 2994: 2016
236	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Iron	OIAL/Ti/TP/02: 2009
237	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Manganese	ASTM E 2994: 2016
238	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Manganese	OIAL/Ti/TP/02: 2009



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
239	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Manganese	ASTM E1916: 2011
240	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Molybdenum	OIAL/Ti/TP/02: 2009
241	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Molybdenum	ASTM E 2994: 2016
242	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Molybdenum	ASTM E1916: 2011
243	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Nickel	OIAL/Ti/TP/02: 2009
244	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Nickel	ASTM E 2994 : 2016
245	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Nickel	ASTM E1916: 2011
246	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Silicon	ASTM E 2994: 2016
247	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Silicon	OIAL/Ti/TP/02: 2009
248	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Tin	ASTM E 2994: 2016
249	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Tin	OIAL/Ti/TP/02: 2009
250	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Tin	ASTM E1916: 2011
251	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Titanium	ASTM E1916: 2011
252	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Vanadium	ASTM E 2994: 2016



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
253	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Vanadium	OIAL/Ti/TP/02: 2009
254	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Vanadium	ASTM E1916: 2011
255	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Zinc	ASTM E1916: 2011
256	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Tin	ASTM E1916 : 2011
257	CHEMICAL- PLASTIC & RESINS	Polymers / Plastics	Ash Content	ASTM D5630 (Procedure - B): 2013
258	CHEMICAL- PLASTIC & RESINS	UV Resistant, Automobiles Components Polymers, Plastics & Paints, Coatings	UV Weatherability (UVA340nm & UVB313nm)	ASTM D 4329: 2013
259	CHEMICAL- PLASTIC & RESINS	UV Resistant, Automobiles Components Polymers, Plastics & Paints, Coatings	UV Weatherability (UVA340nm & UVB313nm)	BS EN 927: 2006
260	CHEMICAL- PLASTIC & RESINS	UV Resistant, Automobiles Components Polymers, Plastics & Paints, Coatings	UV Weatherability (UVA340nm & UVB313nm)	ASTM G 154: 2016
261	CHEMICAL- PLASTIC & RESINS	UV Resistant, Automobiles Components Polymers, Plastics & Paints, Coatings	UV Weatherability (UVA340nm & UVB313nm)	ISO 4892-3: 2013



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
262	CHEMICAL- WATER	Water for Construction Purpose	Chloride as Cl	IS 3025 Part 32,CL.2: 1988
263	CHEMICAL- WATER	Water for Construction Purpose	Inorganic Solids	IS 3025 Part 18: 1984
264	CHEMICAL- WATER	Water for Construction Purpose	Organic Solids	IS 3025 Part 18: 1984
265	CHEMICAL- WATER	Water for Construction Purpose	PH at 25° C	IS 3025 Part 11: 1983
266	CHEMICAL- WATER	Water for Construction Purpose	Quantity of 0.02N H ₂ SO ₄ required to neutralize 100ml of water sample using mixed indicator	IS 3025 Part 23: 1986
267	CHEMICAL- WATER	Water for Construction Purpose	Quantity of 0.02N NaOH required to neutralize 100ml of water sample using phenolphthalein as an indicator	IS 3025 Part 22: 2019
268	CHEMICAL- WATER	Water for Construction Purpose	Sulphate as SO ₃	IS 3025 Part 24: 1986
269	CHEMICAL- WATER	Water for Construction Purpose	Suspended Solids	IS 3025 Part 17: 1984
270	CHEMICAL- WATER	Water for Drinking Purpose	Calcium as Ca	APHA 23rd Edition (3500 Ca B): 2017
271	CHEMICAL- WATER	Water for Drinking Purpose	Calcium as Ca	IS 3025 Part 40 Cl. 5: 1991
272	CHEMICAL- WATER	Water for Drinking Purpose	Chloride as Cl	IS 3025 Part 32 CL.2: 1988
273	CHEMICAL- WATER	Water for Drinking Purpose	Chloride as Cl	APHA 23rd Edition (4500 Cl- B): 2017
274	CHEMICAL- WATER	Water for Drinking Purpose	Chromium as Cr ⁶⁺	APHA 23rd Edition (3500 Cr B): 2017



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
275	CHEMICAL- WATER	Water for Drinking Purpose	Chromium as Cr6+	IS 3025 Part 52 Cl. 6: 2003
276	CHEMICAL- WATER	Water for Drinking Purpose	Colour	IS 3025 Part 04: 1983
277	CHEMICAL- WATER	Water for Drinking Purpose	Colour	APHA 23rd Edition (2120 B): 2017
278	CHEMICAL- WATER	Water for Drinking Purpose	Electrical Conductivity @ 25°C	APHA 23rd Edition (2510 B): 2017
279	CHEMICAL- WATER	Water for Drinking Purpose	Electrical Conductivity @ 25°C	IS 3025 Part 14: 1984
280	CHEMICAL- WATER	Water for Drinking Purpose	Fluoride as F	APHA 23rd Edition (4500F D): 2017
281	CHEMICAL- WATER	Water for Drinking Purpose	Iron as Fe	APHA 23rd Edition (3500 Fe B): 2017
282	CHEMICAL- WATER	Water for Drinking Purpose	Iron as Fe	IS 3025 Part 53 Cl. 6: 2003
283	CHEMICAL- WATER	Water for Drinking Purpose	Magnesium as Mg	IS 3025 Part 46 Cl. 6: 1994
284	CHEMICAL- WATER	Water for Drinking Purpose	Magnesium as Mg	APHA 23rd Edition (3500 Mg B): 2017
285	CHEMICAL- WATER	Water for Drinking Purpose	Nitrate as NO3	APHA 23rd Edition (4500 NO3 B): 2017
286	CHEMICAL- WATER	Water for Drinking Purpose	Odour	IS 3025 Part 05: 1983
287	CHEMICAL- WATER	Water for Drinking Purpose	Odour	APHA 23rd Edition (2150 A): 2017
288	CHEMICAL- WATER	Water for Drinking Purpose	pH at 25° C	APHA 23rd Edition (4500 -H+ B): 2017



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
289	CHEMICAL- WATER	Water for Drinking Purpose	pH at 25° C	IS 3025 Part 11: 1983
290	CHEMICAL- WATER	Water for Drinking Purpose	Residual Chlorine	IS 3025 Part 26 Cl. 4: 1986
291	CHEMICAL- WATER	Water for Drinking Purpose	Sulphate as SO ₄	IS 3025 Part 24: 1986
292	CHEMICAL- WATER	Water for Drinking Purpose	Sulphate as SO ₄	APHA 23rd Edition(4500 - SO ₂ -4 E): 2017
293	CHEMICAL- WATER	Water for Drinking Purpose	Taste	IS 3025 Part 07, 08: 1984
294	CHEMICAL- WATER	Water for Drinking Purpose	Total Alkalinity as CaCO ₃	IS 3025 Part 23: 1986
295	CHEMICAL- WATER	Water for Drinking Purpose	Total Alkalinity as CaCO ₃	APHA 23rd Edition ,(2320 B): 2017
296	CHEMICAL- WATER	Water for Drinking Purpose	Total Dissolved Solids	IS 3025 Part 16: 1984
297	CHEMICAL- WATER	Water for Drinking Purpose	Total Dissolved Solids	APHA 23rd Edition (2540 C): 2017
298	CHEMICAL- WATER	Water for Drinking Purpose	Total Hardness as CaCO ₃	IS 3025 Part 21 Cl. 5: 2009
299	CHEMICAL- WATER	Water for Drinking Purpose	Total Hardness as CaCO ₃	APHA 23rd Edition (2340 C): 2017
300	CHEMICAL- WATER	Water for Drinking Purpose	Turbidity	IS 3025 Part 10: 1984
301	CHEMICAL- WATER	Water for Drinking Purpose	Turbidity	APHA 23rd Edition (2130 B): 2012
302	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Concrete Blocks (AAC Blocks)	Bulk Density	IS 6441 (Part-1): 2001



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
303	MECHANICAL-BUILDINGS MATERIALS	Autoclaved Cellular Concrete Blocks (AAC Blocks)	Compressive Strength	IS 6441 (Part-5): 2001
304	MECHANICAL-BUILDINGS MATERIALS	Bricks (Clay burned /Fly Ash)	Dimension Test - Length	IS 1077: 2016
305	MECHANICAL-BUILDINGS MATERIALS	Bricks (Clay burned) /Fly Ash	Compressive Strength	IS 3495 Part 1: 2011
306	MECHANICAL-BUILDINGS MATERIALS	Bricks (Clay burned) /Fly Ash	Efflorescence	IS 3495 Part 3: 2011
307	MECHANICAL-BUILDINGS MATERIALS	Bricks (Clay burned) /Fly Ash	Water Absorption	IS 3495 Part 2: 2011
308	MECHANICAL-BUILDINGS MATERIALS	Bricks (Clay burned/Fly Ash)	Dimension Test - Breadth	IS 1077: 2016
309	MECHANICAL-BUILDINGS MATERIALS	Bricks (Clay burned/Fly Ash)	Dimension Test - Height	IS 1077: 2016
310	MECHANICAL-BUILDINGS MATERIALS	Cement(OPC/PPC/PS C/SRPC)	Compressive Strength (N/mm ²)	IS 4031 (Part 6): 2019
311	MECHANICAL-BUILDINGS MATERIALS	Cement(OPC/PPC/PS C/SRPC)	Normal Consistency	IS 4031 (Part 4): 2019
312	MECHANICAL-BUILDINGS MATERIALS	Cement(OPC/PPC/PS C/SRPC)	Soundness(Le-Chaltier Method)	IS 4031 (Part 3): 2019



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
313	MECHANICAL-BUILDINGS MATERIALS	Cement(OPC/PPC/PS C/SRPC)	Specific Gravity	IS 4031 (Part 11): 2019
314	MECHANICAL-BUILDINGS MATERIALS	Cement(OPC/PPC/PS C/SRPC)	Final Setting Time	IS 4031 (Part 5): 2019
315	MECHANICAL-BUILDINGS MATERIALS	Cement(OPC/PPC/PS C/SRPC)	Initial Setting Time	IS 4031 (Part 5): 2019
316	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Abrasion Value	IS 2386 (Part4): 2019
317	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density - Loose	IS 2386 (Part 3): 2016
318	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density - Rodded	IS 2386 (Part 3): 2016
319	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4): 2016
320	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part1): 2019
321	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part1): 2019
322	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4): 2016



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
323	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis	IS 2386 (Part 1): 2016
324	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3): 2016
325	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3): 2016
326	MECHANICAL-BUILDINGS MATERIALS	Concrete Blocks (Hollow/Solid)	Block Density	IS:2185 (Part-1) : 2010
327	MECHANICAL-BUILDINGS MATERIALS	Concrete Blocks (Hollow/Solid)	Compressive -Strength	IS:2185 (Part-1) : 2010
328	MECHANICAL-BUILDINGS MATERIALS	Concrete Blocks (Hollow/Solid)	Water Absorption	IS:2185 (Part-1) : 2010
329	MECHANICAL-BUILDINGS MATERIALS	Concrete Cubes - Accelerated Curing	Compressive Strength	IS 9013: 2008
330	MECHANICAL-BUILDINGS MATERIALS	Concrete Cubes/Cores	Compressive -Strength	IS 516: 2013
331	MECHANICAL-BUILDINGS MATERIALS	Concrete Paving Blocks	Compressive Strength	IS 15658: 2016
332	MECHANICAL-BUILDINGS MATERIALS	Concrete Paving Blocks	Water Absorption	IS 15658: 2016



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
333	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate (River Sand, M. Sand & Crushing Sand)	Bulk Density - Loose	IS 2386 (Part 3): 2016
334	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate (River Sand, M. Sand & Crushing Sand)	Bulk Density - Rodded	IS 2386 (Part 3): 2016
335	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate (River Sand, M. Sand & Crushing Sand)	Bulking	IS 2386 (Part-3): 2016
336	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate (River Sand, M. Sand & Crushing Sand)	Moisture Content	IS 2386 (Part-3): 2016
337	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate (River Sand, M. Sand & Crushing Sand)	Sieve Analysis	IS 2386 (Part 1): 2016
338	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate (River Sand, M. Sand & Crushing Sand)	Silt Content	IS 2386 (Part 2): 2016
339	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate (River Sand, M. Sand & Crushing Sand)	Specific Gravity	IS 2386 (Part 3): 2016
340	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate (River Sand, M. Sand & Crushing Sand)	Water Absorption	IS 2386 (Part 3): 2016
341	MECHANICAL-BUILDINGS MATERIALS	Natural building stone	Specific Gravity	IS 1124: 2017
342	MECHANICAL-BUILDINGS MATERIALS	Natural building stone	Water Absorption	IS 1124: 2017



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
343	MECHANICAL-BUILDINGS MATERIALS	Natural building stone.	Compressive Strength	IS 1121 (Part-1): 2017
344	MECHANICAL-BUILDINGS MATERIALS	Reinforcement Coupler (Static Tensile Test)	Total Elongation at Maximum force	IS 16172: 2014
345	MECHANICAL-BUILDINGS MATERIALS	Reinforcement Coupler (Static Tensile Test)	Tensile Strength	IS 16172: 2014
346	MECHANICAL-BUILDINGS MATERIALS	Reinforcing Steel	Deformation Geometry (Area of Transverse Rib)	IS 1786: 2013
347	MECHANICAL-BUILDINGS MATERIALS	Reinforcing Steel	Elongation	IS 1608 (Part-1): 2018
348	MECHANICAL-BUILDINGS MATERIALS	Reinforcing Steel	Tensile Strength	IS 1608 (Part-1): 2018
349	MECHANICAL-BUILDINGS MATERIALS	Reinforcing Steel	Total Elongation at Maximum Force	IS 1608 (Part-1): 2018
350	MECHANICAL-BUILDINGS MATERIALS	Reinforcing Steel	TS/YS Ratio	IS 1786: 2013
351	MECHANICAL-BUILDINGS MATERIALS	Reinforcing Steel	Weight / meter	IS 1786: 2013
352	MECHANICAL-BUILDINGS MATERIALS	Reinforcing Steel	Yield Strength	IS 1608 (Part-1): 2018



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
353	MECHANICAL-BUILDINGS MATERIALS	Wood	Moisture Content (Oven Drying Method)	IS 11215: 2015
354	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Brinell Hardness - HBW 10/3000	ASTM E10 : 2018
355	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Brinell Hardness - HBW 2.5/187.5	ASTM E10 : 2018
356	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Brinell Hardness -HBW (5/750)	ASTM E10: 2018
357	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Low Alloy Steels ,Stainless Steels	Shear Strength	SA 263 CL -7.2.1: 2017
358	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Titanium Base Alloys, Nickel Base Alloys	Rockwell Hardness (HRC)	ASTM E18: 2019
359	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Base Alloys	Reduction in area %	ASTM B 557M: 2015
360	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Base Alloys,	% of Elongation	ASTM B 557M : 2015



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
361	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium Base Alloys,	0.2% Proof Stress	ASTM B 557M: 2015
362	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminium Base Alloys,	Tensile Strength	ASTM B 557M: 2015
363	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys,	Yield Strength	ASTM B 557M: 2015
364	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys,	Brinell Hardness - HBW 10/1000	ASTM E10: 2018
365	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys,	Brinell Hardness - HBW 10/1000	IS 1500 (Part 1): 2019
366	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	0.2%Proof stress	ASTM E 8 / E8M: 2016
367	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	0.2%Proof stress	IS 1608 (Part 1): 2018
368	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Bend	IS 1599 : 2012: (RA2017)



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
369	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Elongation	ASTM E8/E8M: 2016
370	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Flattening test (Tubes & Pipes)	IS 2328: 2018
371	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Impact Test - Charpy (-196°C to Ambient temperature)	IS:1757(Part 1): 2014
372	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Impact Test - Charpy (-196°C to Ambient temperature)	IS 1499: 1977
373	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Impact Test - Izod (Ambient Temperature)	IS 1598: 1977
374	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Micro Vickers - HV 0.1	IS 1501 (Part 1) : 2013: (RA2018)
375	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Micro Vickers - HV 0.1	ASTM E92: 2017
376	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Micro Vickers - HV 0.1	ASTM E384: 2017



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
377	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Micro Vickers - HV 0.3	ASTM E384: 2017
378	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Micro Vickers - HV 0.3	ASTM E92: 2017
379	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Micro Vickers - HV 0.3	IS 1501(Part 1) : 2013: (RA2018)
380	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Micro Vickers - HV 0.5	IS 1501 (Part 1) : 2013: (RA2018)
381	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Micro Vickers - HV 0.5	ASTM E92: 2017
382	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Micro Vickers - HV 0.5	ASTM E384: 2017
383	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Micro Vickers - HV 1.0	ASTM E384: 2017
384	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Micro Vickers - HV 1.0	ASTM E92: 2017



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
385	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Reduction Area	ASTM E8/E8M: 2016
386	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Reduction in area	IS 1608(Part 1): 2018
387	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Rockwell Hardness (HRBW)	IS:1586(Part 1): 2018
388	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Rockwell Hardness (HRBW)	ASTM E18: 2019
389	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Tensile Strength	ASTM E8/E8M: 2016
390	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Tensile strength	IS 1608(Part 1): 2018
391	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Vickers Hardness - HV 5	IS 1501 (Part 1) : 2013: (RA2018)
392	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Vickers Hardness - HV 5	ASTM E92: 2017



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
393	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Vickers Hardness - HV10	IS 1501 (Part 1) : 2013: (RA2018)
394	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Vickers Hardness - HV10	ASTM E92 : 2017
395	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Vickers Hardness - HV30	IS 1501 (Part 1) : 2013: (RA2018)
396	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Vickers Hardness - HV30	ASTM E92: 2017
397	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Yield Strength	IS 1608(Part 1): 2018
398	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Yield Strength	ASTM E8/E8M: 2016
399	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys)	0.2%Proof stress	ASTM E 8 / E8M : 2016
400	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys)	Elongation	IS 1608 (Part 1): 2018



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
401	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys)	Micro Vickers - HV 1.0	IS 1501 (Part 1) : 2013: (RA2018)
402	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Brinell Hardness - HBW 10/3000	IS 1500 (Part 1): 2019
403	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Brinell Hardness - HBW 2.5/187.5	IS 1500 (Part 1): 2019
404	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Brinell Hardness-HBW (5/750)	IS 1500(Part 1): 2019
405	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Drift Expansion test (For Tubes)	IS 2335: 2005(RA2017)
406	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Nickel Base Alloys	Shear Strength	SA 264-CL 7.2.1: 2017
407	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels	Reduction Area	SA 770/SA-770M: 2017
408	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels	Reduction Area	BS EN 10164: 2018



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
409	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels	Drift Expansion test (For Tubes)	IS 2335: 2005 (RA2017)
410	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels	Flattening test (Tubes & Pipes)	ASTM A 370 : 2018
411	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels , Tool Steels.	Rockwell Hardness (HRC)	ASTM E18: 2019
412	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels Reinforcing steels, Tool Steels, Cast Iron	Micro Vickers - HV 0.1	ASTM E384: 2017
413	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels Reinforcing steels, Tool Steels, Cast Iron	Micro Vickers - HV 0.3	ASTM E384: 2017
414	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels Reinforcing steels, Tool Steels, Cast Iron	Micro Vickers - HV 0.3	ASTM E92: 2017
415	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels Reinforcing steels, Tool Steels, Cast Iron	Micro Vickers - HV 0.5	ASTM E384: 2017



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
416	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels Reinforcing steels, Tool Steels, Cast Iron	Vickers Hardness - HV10	IS 1501 (Part 1) :2013: (RA2018)
417	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels Reinforcing steels, Tool Steels, Cast Iron	Vickers Hardness - HV30	IS 1501 (Part 1):2014: (RA2018)
418	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels,	Flattening test (Tubes & Pipes)	IS 2328: 2018
419	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels	Brinell Hardness - HBW 2.5/187.5	ASTM E10 : 2018
420	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels	Elongation	IS 1608 (Part 1): 2018
421	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels,	0.2% Proof Stress	ASTM A 370: 2018
422	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels,	0.2%Proof stress	IS 1608 (Part 1): 2018



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
423	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels,	0.2%Proof stress	ASTM E 8M / E8M: 2016
424	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels,	Elongation	ASTM A 370 : 2018
425	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels,	Elongation	ASTM E8/E8M: 2016
426	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels,	Reduction Area	ASTM E8/E8M: 2016
427	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels,	Reduction Area	ASTM A 370: 2018
428	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels,	Reduction in area	IS 1608(Part 1): 2018
429	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels,	Yield Strength	IS 1608(Part 1) : 2018
430	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels,	Yield Strength	ASTM A 370 : 2018



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
431	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Cast Iron,	Brinell Hardness - HBW 10/3000	ASTM E10 : 2018
432	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Cast Iron.	Brinell Hardness - HBW 10/1000	ASTM E10 : 2018
433	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Cast Iron.	Brinell Hardness - HBW 2.5/187.5	IS 1500 (Part 1): 2019
434	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Cast Iron.	Brinell Hardness-HBW (5/750)	IS 1500(Part 1): 2019
435	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Cast Iron	Brinell Hardness - HBW 10/1000	IS 1500 (Part 1): 2013
436	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Cast Iron	Impact Test - Izod (Ambient Temperature)	IS 1598:1977: (RA2015)
437	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Cast Iron	Micro Vickers - HV 1.0	ASTM E92: 2017
438	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Cast Iron	Micro Vickers - HV 1.0	ASTM E384: 2017



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
439	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Cast Iron,	Brinell Hardness - HBW 10/3000	IS 1500 (Part 1): 2019
440	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Cast Iron,	Impact Test - Charpy (-196°C to Ambient temperature)	IS 1499: 1977
441	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Cast Iron.	Bend	IS 1599:2012, RA: 2017
442	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Cast Iron.	Brinell Hardness -HBW (5/750)	ASTM E10: 2018
443	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Cast Iron.	Impact Test - Charpy (-196°C to+50°C)	IS:1757(Part 1): 2014
444	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Reinforcing steels, Cast Iron	Micro Vickers - HV 0.5	IS 1501 (Part 1) :2013: (RA2018)
445	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Reinforcing steels, Cast Iron	Micro Vickers - HV 0.5	ASTM E92: 2017



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
446	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Reinforcing steels, Cast Iron	Micro Vickers - HV 1.0	IS 1501 (Part 1) : 2013: RA(2018)
447	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Reinforcing steels, Cast Iron	Vickers Hardness - HV 5	IS 1501 (Part 1) : 2013: RA(2018)}
448	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Reinforcing steels, Cast Iron	Vickers Hardness - HV 5	ASTM E92: 2017
449	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Reinforcing steels, Cast Iron	Vickers Hardness - HV10	ASTM E92 : 2017
450	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Reinforcing steels, Cast Iron	Vickers Hardness - HV30	ASTM E92: 2017
451	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Reinforcing steels, Cast Iron,	Micro Vickers - HV 0.1	ASTM E92: 2017



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
452	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Reinforcing steels, Cast Iron,	Micro Vickers - HV 0.1	IS 1501 (Part 1) : 2013: (RA2018)
453	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Reinforcing steels, Cast Iron,	Micro Vickers - HV 0.3	IS 1501(Part 1) : 2013: RA(2018)
454	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels,, Cast Iron,	Tensile strength	IS 1608(Part 1): 2018
455	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels,Cast Iron	Yield Strength	ASTM E8/E8M: 2016
456	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Cast Iron,	Tensile Strength	ASTM A 370: 2018
457	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Cast Iron.	Tensile Strength	ASTM E8/E8M: 2016
458	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels.	Rockwell Hardness (HRBW)	ASTM E18: 2019



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
459	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels.	Rockwell Hardness (HRBW)	IS:1586(Part 1): 2018
460	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels, Low Alloy Steels Stainless Steels, Tool Steels	Rockwell Hardness (HRC)	IS 1586(Part 1): 2018
461	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Titanium Base Alloys, Nickel Base Alloys	Rockwell Hardness (HRC)	IS 1586 (Part-1): 2012
462	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Weld Material	0.2% Proof Stress	ASME Sec II(PartC): 2017
463	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Material	% of Elongation	IBR 1950 (Clause 259(b) : 2019
464	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Material	% of Elongation	ASME Sec II(PartC): 2017
465	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Material	% of Elongation	AWS D1.1/D1.1 M, Cl: 4.9.3.4 to 4.9.3.6: 2015
466	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Material	% of Elongation	IS:814: 2004



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
467	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Material	0.2%Proof stress	AWS D1.1/D1.1 M, CI: 4.9.3.4 to 4.9.3.6: 2015
468	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Material	Bend Test (Side Bend)	AWS D1.1/D1.1M,CL.4.9.3 to 4.9.3.3: 2015
469	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Material	Bend Test (Face Bend)	ASME Sec IX, CI: QW – 462.3: 2017
470	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Material	Bend Test (Face Bend)	AWS D1.1/D1.1M,CL.4.9.3 to 4.9.3.3: 2015
471	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Material	Bend Test (Face Bend, Root Bend)	IBR 1950 (Clause 261 to 262): 2019
472	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Material	Bend Test (Face Bend, Root Bend, Side Bend)	ISO 5173: 2009
473	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Material	Bend Test (Root Bend)	AWS D1.1/D1.1M,CL.4.9.3 to 4.9.3.3: 2015
474	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Material	Bend Test (Root Bend)	ASME Sec IX, CI: QW – 462.3: 2017



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
475	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Material	Charpy Impact Test	IBR 1950 (Clause 263) : 2019
476	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Material	Impact Test - Charpy - (-50°C to Ambient temperature)	IS:1757(Part 1): 2014
477	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Material	Impact Test - Charpy - (-50°C to Ambient temperature)	IS:1499: 2015
478	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Material	Impact Test - Izod - (Ambient Temp)	IS:1598 : 1977: (RA2015)
479	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Material	Micro Vickers - HV 0.1	ASTM E92: 2017
480	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Material	Micro Vickers HV 0.1	IS 1501 (Part 1) : 2013: (RA2018)
481	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Material	Micro Vickers HV 0.1	ASTM E384: 2017
482	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Material	Micro Vickers HV 0.5	ASTM E384: 2017



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
483	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Material	Micro Vickers HV 0.5	IS 1501 (Part 1) : 2013: (RA2018)
484	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Material	Micro Vickers- HV 0.5	ASTM E92: 2017
485	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Material	Micro Vickers HV 1.0	IS 1501 (Part 1) : 2013: (RA2018)
486	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Material	Micro Vickers- HV 1.0	ASTM E92: 2017
487	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Material	Micro Vickers HV1.0	ASTM E384: 2017
488	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Material	Reduction in area %	IS:814: 2004
489	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Material	Reduction in area %	ASME Sec II(PartC): 2017
490	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Material	Reduction in area %	AWS D1.1/D1.1 M, Cl: 4.9.3.4 to 4.9.3.6: 2015



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
491	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Material	Side Bend (Bend Test)	ASME Sec IX, CI: QW – 462.2: 2017
492	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Material	Tensile strength	IS:814: 2004
493	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Material	Tensile strength	ASME Sec II(PartC): 2017
494	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Material	Tensile strength	AWS D1.1/D1.1 M, CI: 4.9.3.4 to 4.9.3.6: 2015
495	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Material	Tensile strength	ASME Sec IX CI: QW – 462.1: 2017
496	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Material	Tensile Strength	ISO 4136: 2012
497	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Material	Tensile Strength	IBR 1950 (Clause 259): 2019
498	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Material	Vickers Hardness (HV 10)	ASME Sec IX : 2017



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
499	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Material	Vickers Hardness (HV 5)	ISO 9015-1: 2001
500	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Material	Vickers Hardness -HV 10	ISO-9015-1: 2001
501	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Material	Vickers Hardness -HV 10	ASTM E92: 2017
502	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Material	Vickers Hardness -HV 5	ASTM E92: 2017
503	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Material	Vickers Hardness HV10	IS 1501 (Part 1) : 2013: (RA2018)
504	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Material	Vickers Hardness HV5	IS 1501 (Part 1) : 2013: (RA2018)
505	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Material	Yield Strength	IS:814: 2004
506	MECHANICAL- METALLOGRAPHY TEST	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Coating Thickness of Metal and oxide Coatings	ASTM B487 (by Microscopic Method): 2013



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
507	MECHANICAL-METALLOGRAPHY TEST	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Coating Thickness of Metal and oxide Coatings	IS 3203 (by Microscopic Method): 2016
508	MECHANICAL-METALLOGRAPHY TEST	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Grain Size (by ASTM Chart Comparison Method)	ASTM E112: 2013
509	MECHANICAL-METALLOGRAPHY TEST	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Macrostructure	ASTM E 340: 2015
510	MECHANICAL-METALLOGRAPHY TEST	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Microstructure	ASM Hand Book Volume 9 : 2004, ASTM E407 : 07(2015)e1, ASTM E3 : 11(2011), ASTM E883: 11(2017)
511	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steels	Inter-granular Corrosion Test (IGC)	ASTM A262 - Practice B: 2015
512	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steels	Inter-granular Corrosion Test (IGC)	ASTM A262 - Practice C: 2015
513	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steels	Inter-granular Corrosion Test (IGC)	ASTM A262 - Practice A & E: 2015
514	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steels	Inter-granular Corrosion Test (IGC)	ASTM A262 - Practice F: 2015
515	MECHANICAL-METALLOGRAPHY TEST	Cast Iron	Graphite in Cast Iron (Nodular Cast Iron, Grey Cast Iron & Malleable Cast Iron)	IS 7754: 2018



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
516	MECHANICAL-METALLOGRAPHY TEST	Cast Iron	Graphite in Cast Iron (Nodular Cast Iron, Grey Cast Iron & Malleable Cast Iron)	ASTM A247: 2019
517	MECHANICAL-METALLOGRAPHY TEST	Chromium-Bearing Alloys, Corrosion Resistance of Stainless Steels, Nickel-Rich Alloys, Inconel Alloys	Pitting Corrosion Test	ASTM G 48 - Method A & B: 2015
518	MECHANICAL-METALLOGRAPHY TEST	Chromium-Bearing Alloys, Corrosion Resistance of Stainless Steels, Nickel-Rich Alloys, Inconel Alloys	Pitting Corrosion Test	ASTM G 48 - Method A: 2011(2015)
519	MECHANICAL-METALLOGRAPHY TEST	Chromium-Bearing Alloys, Corrosion Resistance of Stainless Steels, Nickel-Rich Alloys, Inconel Alloys	Pitting Corrosion Test	ASTM G 48 - Method B: 2015
520	MECHANICAL-METALLOGRAPHY TEST	Corrosion Test - Coated, Painted Material	Salt Spray test (Fog Type)	ASTM B 117: 2018
521	MECHANICAL-METALLOGRAPHY TEST	Corrosion Test - Coated, Painted Material	Salt Spray test (Fog Type)	IS 101 (Part 6/sec 1): 2015
522	MECHANICAL-METALLOGRAPHY TEST	Duplex Stainless Steel	Corrosion Resistance Test	ASTM A923 Method-C: 2014
523	MECHANICAL-METALLOGRAPHY TEST	Duplex Stainless Steels	Microstructure	ASTM A923 (Method A): 2014



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
524	MECHANICAL-METALLOGRAPHY TEST	Duplex Stainless Steels	Microstructure	ASTM A 923(Method A) : 2014
525	MECHANICAL-METALLOGRAPHY TEST	Intergranular corrosion in wrought, Nickel- Rich , Chromium-Bearing Alloys, Corrosion Resistance of Stainless Steels	Inter-granular Corrosion Test - Method A(IGC)	ASTM G28: 2015
526	MECHANICAL-METALLOGRAPHY TEST	Plain Carbon Steels, Low Alloy Steels	Depth of Decarburized Layer	IS : 6396: 2000(RA2018)
527	MECHANICAL-METALLOGRAPHY TEST	Plain Carbon Steels, Low Alloy Steels	Depth of Decarburized Layer	ASTM E 1077 : 2014
528	MECHANICAL-METALLOGRAPHY TEST	Plain Carbon Steels, Low Alloy Steels, Stainless Steels, Tool Steels	Grain Size (by ASTM Chart Comparison method)	IS 4748: 2017
529	MECHANICAL-METALLOGRAPHY TEST	Plain Carbon Steels, Low Alloy Steels, Stainless Steels, Tool Steels	Grain Size (by ASTM Chart Comparison method)	ASTM E112: 2013
530	MECHANICAL-METALLOGRAPHY TEST	Plain Carbon Steels, Low Alloy Steels, Stainless Steels, Tool Steels	Inclusion Rating	IS : 4163: 2017
531	MECHANICAL-METALLOGRAPHY TEST	Plain Carbon Steels, Low Alloy Steels, Stainless Steels, Tool Steels	Inclusion Rating	ASTM E 45: 2018



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
532	MECHANICAL-METALLOGRAPHY TEST	Plain Carbon Steels, Low Alloy Steels, Stainless Steels, Tool Steels	Macrostructure	ASTM E 340 : 2015
533	MECHANICAL-METALLOGRAPHY TEST	Plain Carbon Steels, Low Alloy Steels, Stainless Steels, Tool Steels, Cast Iron	Coating Thickness of Metal and oxide Coatings	IS 3203 (by Microscopic Method): 2016
534	MECHANICAL-METALLOGRAPHY TEST	Plain Carbon Steels, Low Alloy Steels, Stainless Steels, Tool Steels, Cast Iron	Coating Thickness of Metal and oxide Coatings	ASTM B487 (by Microscopic Method): 2013
535	MECHANICAL-METALLOGRAPHY TEST	Plain Carbon Steels, Low Alloy Steels, Stainless Steels, Tool Steels, Cast Iron	Microstructure	ASM Hand Book Volume 9 : 2004, ASTM E 407 : 2015, ASTM E 3 : 2017, ASTM E 883: 2011
536	MECHANICAL-METALLOGRAPHY TEST	Plain Carbon Steels, Low Alloy Steels, Tool Steels	Effective Case Depth (by Hardness Method)	IS 6416 : 1988: (RA2018)
537	MECHANICAL-METALLOGRAPHY TEST	Plain Carbon Steels, Low Alloy Steels, Tool Steels	Effective Case Depth (by Hardness Method)	ASTM B934 : 2015
538	MECHANICAL-METALLOGRAPHY TEST	Plain Carbon Steels, Low Alloy Steels, Tool Steels	Total Case Depth (by Microscopic Method)	IS 6416: 2018
539	MECHANICAL-METALLOGRAPHY TEST	Plain Carbon Steels, Low Alloy Steels, Stainless Steels, Tool Steels, Cast Iron	Macrostructure	IS: 11371: 2018



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540	MECHANICAL-METALLOGRAPHY TEST	Plain Carbon Steels, Low Alloy Steels, Stainless Steels, Tool Steels, Cast Iron	Macrostructure	ASTM E 381: 2017
541	MECHANICAL-METALLOGRAPHY TEST	Welded Metals	Grain Size (by ASTM Chart Comparison Method)	IS 4748: 2017
542	MECHANICAL-METALLOGRAPHY TEST	Welded Metals	Grain Size (by ASTM Chart Comparison Method)	ASTM E112: 2013
543	MECHANICAL-METALLOGRAPHY TEST	Welded Metals	Macrostructure	ASTM E 381: 2017
544	MECHANICAL-METALLOGRAPHY TEST	Welded Metals	Macrostructure	IS: 11371: 2018
545	MECHANICAL-METALLOGRAPHY TEST	Welded Metals	Macrostructure	ASTM E 340 : 2015
546	MECHANICAL-METALLOGRAPHY TEST	Welded Metals	Macrostructure	ASME SEC IX, QW-183, QW-184, QW-470, QW-471, QW-472, QW-473, QW-462.4, QW-462.5: 2017
547	MECHANICAL-METALLOGRAPHY TEST	Welded Metals	Macrostructure	IBR 1950 (Clause 265a): 2019
548	MECHANICAL-METALLOGRAPHY TEST	Welded Metals	Macrostructure	ISO 17639: 2013



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549	MECHANICAL- METALLOGRAPHY TEST	Welded Metals	Microstructure	ISO 17639: 2019
550	MECHANICAL- METALLOGRAPHY TEST	Welded Metals	Microstructure	IBR 1950 (Clause 265a): 2019
551	MECHANICAL- METALLOGRAPHY TEST	Welded Metals	Microstructure	ASM Hand Book Volume 9 : 2004, ASTM E407 : 07(2015)e1, ASTM E3 : 11(2017), ASTM E883: 11(2017)
552	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	RCC / PCC Structures	Rebound Hammer test	IS 13311 (Part 2): 2013
553	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	RCC / PCC Structures	Ultrasonic Pulse Velocity Test	IS 13311 (Part 1): 2013
554	NON-DESTRUCTIVE- METALS & ALLOYS	All ferrous materials Casting, Forging, welding, rolling rods, plates & machined products	Magnetic Particle Testing	ASTM E-709 Surface & sub surface discontinuity by (Dry & Wet) Non fluorescent method (Yoke AC & DC Magnetisation Method): 2015
555	NON-DESTRUCTIVE- METALS & ALLOYS	Ferrous / Non ferrous materials Casting, forging, Welding, Machined Products	Liquid Penetrant Testing	ASTM E 165 Open surface Discontinuity by Visible Penetrant method (Method C): 2018



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556	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Material - Forgings	Ultrasonic Testing by Pulse Echo contact method.	ASTM A388/A388M: 2018
557	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Material - Plate	Ultrasonic Testing by Pulse Echo contact method.	ASTM A577/A577M: 2017
558	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous materials - Castings	Ultrasonic Testing by Pulse Echo contact method.	ASTM A609/A609M: 2018
559	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Materials - Plate	Ultrasonic Testing by Pulse Echo contact method.	ASTM A435/A435M: 2017
560	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous materials - Plates	Ultrasonic Testing by Pulse echo contact method	ASTM A578 / A578M: 2017
561	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous materials - Welded Material	Ultrasonic Testing by Pulse echo contact method	ASME SEC -V Article 4 & 23, SE114 UT of Weld Internal discontinuity by straight and angle beam method: 2017
562	NON-DESTRUCTIVE-METALS & ALLOYS	Metals	Ultrasonic Thickness Testing, Dia more than 20mm	IS 15435: 2008
563	NON-DESTRUCTIVE-METALS & ALLOYS	Metals	Ultrasonic Thickness Testing, dia more than 20mm dia objects Only.	ASTM E797/E797M: 2015



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Laboratory Name OMEGA INSPECTION AND ANALYTICAL LABORATORY, 57, 58 & 35, 36, INDUSTRIAL ESTATE, GUINDY, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6247 Page No. : 55 / 59

Validity 04/09/2019 to 03/09/2021 Last Amended on -

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
Site Facility				
1	CHEMICAL- METALS & ALLOYS	Copper Base Alloy	Copper	ASTM E 1916: 2011
2	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Chromium	ASTM E1916: 2011
3	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Copper	ASTM E1916: 2011
4	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Iron	ASTM E1916: 2011
5	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Lead	ASTM E1916: 2011
6	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Manganese	ASTM E1916: 2011
7	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Nickel	ASTM E1916: 2011
8	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Tin	ASTM E1916: 2011
9	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Zinc	ASTM E1916: 2011
10	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Antimony	ASTM E 1916: 2011
11	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Chromium	ASTM E 1916: 2011
12	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Cobalt	ASTM E 1916: 2011
13	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Copper	ASTM E 1916: 2011
14	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Iron	ASTM E 1916: 2011



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
15	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Lead	ASTM E 1916: 2011
16	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Manganese	ASTM E 1916: 2011
17	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Molybdenum	ASTM E 1916: 2011
18	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Nickel	ASTM E 1916: 2011
19	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Niobium	ASTM E 1916: 2011
20	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Tin	ASTM E 1916: 2011
21	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Titanium	ASTM E 1916: 2011
22	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Tungsten	ASTM E 1916: 2011
23	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Vanadium	ASTM E 1916: 2011
24	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Nickel	ASTM E 1916: 2011
25	CHEMICAL- METALS & ALLOYS	Nickel Base Alloys	Chromium	ASTM E 1916: 2011
26	CHEMICAL- METALS & ALLOYS	Nickel Base Alloys	Cobalt	ASTM E 1916: 2011
27	CHEMICAL- METALS & ALLOYS	Nickel Base Alloys	Copper	ASTM E 1916: 2011
28	CHEMICAL- METALS & ALLOYS	Nickel Base Alloys	Iron	ASTM E 1916: 2011



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
29	CHEMICAL- METALS & ALLOYS	Nickel Base Alloys	Manganese	ASTM E 1916: 2011
30	CHEMICAL- METALS & ALLOYS	Nickel Base Alloys	Molybdenum	ASTM E 1916: 2011
31	CHEMICAL- METALS & ALLOYS	Nickel Base Alloys	Nickel	ASTM E 1916: 2011
32	CHEMICAL- METALS & ALLOYS	Nickel Base Alloys	Niobium	ASTM E 1916: 2011
33	CHEMICAL- METALS & ALLOYS	Nickel Base Alloys	Titanium	ASTM E 1916: 2011
34	CHEMICAL- METALS & ALLOYS	Nickel Base Alloys	Tungsten	ASTM E 1916: 2011
35	CHEMICAL- METALS & ALLOYS	Nickel Base Alloys	Vanadium	ASTM E 1916: 2011
36	CHEMICAL- METALS & ALLOYS	Titanium Base Alloy	Iron	ASTM E 1916: 2011
37	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Chromium	ASTM E1916: 2011
38	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Copper	ASTM E1916: 2011
39	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Manganese	ASTM E1916: 2011
40	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Molybdenum	ASTM E1916: 2011
41	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Nickel	ASTM E1916: 2011
42	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Tin	ASTM E1916: 2011



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
43	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Titanium	ASTM E1916: 2011
44	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Vanadium	ASTM E1916: 2011
45	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Zinc	ASTM E1916: 2011
46	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Tin	ASTM E1916 : 2011
47	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	RCC / PCC Structures	Rebound Hammer test	IS 13311 (Part 2): 2013
48	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	RCC / PCC Structures	Ultrasonic Pulse Velocity Test	IS 13311 (Part 1): 2013
49	NON-DESTRUCTIVE-METALS & ALLOYS	All ferrous materials Casting, Forging, welding, rolling rods, plates & machined products	Magnetic Particle Testing	ASTM E-709 Surface & sub surface discontinuity by (Dry & Wet) Non fluorescent method (Yoke AC & DC Magnetisation Method): 2015
50	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous / Non ferrous materials Casting, forging, Welding, Machined Products	Liquid Penetrant Testing	ASTM E 165 Open surface Discontinuity by Visible Penetrant method (Method C): 2018
51	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Material - Forgings	Ultrasonic Testing by Pulse Echo contact method.	ASTM A388/A388M: 2018



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
52	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Material - Plate	Ultrasonic Testing by Pulse Echo contact method.	ASTM A577/A577M: 2017
53	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous materials - Castings	Ultrasonic Testing by Pulse Echo contact method.	ASTM A609/A609M: 2018
54	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Materials - Plate	Ultrasonic Testing by Pulse Echo contact method.	ASTM A435/A435M: 2017
55	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous materials - Plates	Ultrasonic Testing by Pulse echo contact method	ASTM A578 / A578M: 2017
56	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous materials - Welded Material	Ultrasonic Testing by Pulse echo contact method	ASME SEC -V Article 4 & 23, SE114 UT of Weld Internal discontinuity by straight and angle beam method: 2017
57	NON-DESTRUCTIVE-METALS & ALLOYS	Metals	Ultrasonic Thickness Testing, Dia more than 20mm	IS 15435: 2008
58	NON-DESTRUCTIVE-METALS & ALLOYS	Metals	Ultrasonic Thickness Testing, dia more than 20mm dia objects Only.	ASTM E797/E797M: 2015