National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : OMEGA INSPECTION AND ANALYTICAL LABORATORY, NO:57, 58 & 35, 36, GUINDY INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 04/09/2021 to 03/09/2023 **Last Amended on** 06/10/2021

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- BUILDING MATERIAL	Admixture	Ash Content	IS 9103
2	CHEMICAL- BUILDING MATERIAL	Admixture	Chloride	IS 6925 Clause 5
3	CHEMICAL- BUILDING MATERIAL	Admixture	Dry Material Content	IS 9103
4	CHEMICAL- BUILDING MATERIAL	Admixture	pH	IS 9103
5	CHEMICAL- BUILDING MATERIAL	Admixture	Relative Density	IS 9103
6	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, SRPC, PSC)	Alkali Content - Potassium as K2O	IS 4032 Clause 4.11
7	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, SRPC, PSC)	Alkali Content - Sodium as Na2O	IS 4032 Clause 4.11
8	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, SRPC, PSC)	Alumina as Al2O3	IS 4032 Clause 4.6.2
9	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, SRPC, PSC)	Calcium oxide as CaO	IS 4032 Clause 4.7.2
10	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, SRPC, PSC)	Chloride Content	IS 4032 Clause 4.13
11	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, SRPC, PSC)	Insoluble Residue	IS 4032 Clause 4.10
12	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, SRPC, PSC)	Iron oxide as Fe2O3	IS 4032 Clause 4.5.2
13	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, SRPC, PSC)	Magnesia as MgO	IS 4032 Clause 4.8.2
14	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, SRPC, PSC)	Silica as SiO2	IS 4032 Clause 4.3
15	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, SRPC, PSC)	Total loss on ignition	IS 4032 Clause 4.2
16	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, SRPC, PSC)	Total Sulphur content calculated as Sulphuric anhydride (SO3)	IS 4032 Clause 4.9
17	CHEMICAL- BUILDING MATERIAL	Fly ash (Siliceous & Calcareous)	Alkali Content-Sodium as Na2O	IS 4032 Clause 4.11
18	CHEMICAL- BUILDING MATERIAL	Fly ash (Siliceous & Calcareous)	Chloride Content	IS 4032 Clause 4.13

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Laboratory Name :	OMEGA INSPECTION AND ANALYTICAL LABORATORY, NO:57, 58 & 35, 36, GUINDY INDUSTRIAL ESTATE, CHENNAI, TAMIL NADU, INDIA		
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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
19	CHEMICAL- BUILDING MATERIAL	Fly ash (Siliceous & Calcareous)	Combined ferric and alumina	IS 1727 Clause 5.5
20	CHEMICAL- BUILDING MATERIAL	Fly ash (Siliceous & Calcareous)	Magnesia as MgO	IS 1727 Clause 5.9
21	CHEMICAL- BUILDING MATERIAL	Fly ash (Siliceous & Calcareous)	Silica as SiO2	IS 1727 Clause 5.4
22	CHEMICAL- BUILDING MATERIAL	Fly ash (Siliceous & Calcareous)	Total loss on ignition	IS 1727 Clause 5.3
23	CHEMICAL- BUILDING MATERIAL	Fly ash (Siliceous & Calcareous)	Total Sulphur content calculated as Sulphuric anhydride (SO3)	IS 1727 Clause 4.8.2
24	CHEMICAL- CORROSION TESTS	Corrosion Test for Coated, Painted, Plated, Galvanized Materials	Salt Spray test (Fog Type)	ASTM B 117
25	CHEMICAL- CORROSION TESTS	Corrosion Test for Coated, Painted, Plated, Galvanized Materials	Salt Spray test (Fog Type)	IS 101 (Part 6/sec 1) Clause 3
26	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Aluminium	ASTM E1916
27	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Boron	ASTM E1251
28	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Chromium	ASTM E1251
29	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Chromium	ASTM E1916
30	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Cobalt	ASTM E1251
31	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Cobalt	ASTM E1916
32	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Copper	ASTM E1251
33	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Copper	ASTM E1916
34	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Iron	ASTM E1251
35	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Iron	ASTM E1916
36	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Lead	ASTM E1251

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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
37	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Lead	ASTM E1916
38	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Magnesium	ASTM E1251
39	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Magnesium	ASTM E1916
40	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Manganese	ASTM E1251
41	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Manganese	ASTM E1916
42	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Nickel	ASTM E1251
43	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Nickel	ASTM E1916
44	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Silicon	ASTM E1251
45	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Silicon	ASTM E1916
46	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Tin	ASTM E1251
47	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Tin	ASTM E1916
48	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Titanium	ASTM E1251
49	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Titanium	ASTM E1916
50	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Vanadium	ASTM E1251
51	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Vanadium	ASTM E1916
52	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Zinc	ASTM E1251
53	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Zinc	ASTM E1916
54	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Zirconium	ASTM E1251
55	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Carbon	ASTM E 1999

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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
56	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Carbon	JIS G 1253
57	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Chromium	ASTM E 1999
58	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Chromium	JIS G 1253
59	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Copper	ASTM E 1999
60	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Copper	JIS G 1253
61	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Manganese	ASTM E 1999
62	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Manganese	JIS G 1253
63	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Molybdenum	ASTM E 1999
64	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Molybdenum	JIS G 1253
65	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Nickel	ASTM E 1999
66	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Nickel	JIS G 1253
67	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Phosphorous	ASTM E 1999
68	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Phosphorous	JIS G 1253
69	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Silicon	ASTM E 1999
70	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Silicon	JIS G 1253
71	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Sulphur	ASTM E 1999
72	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Sulphur	JIS G 1253
73	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Vanadium	ASTM E 1999
74	CHEMICAL- METALS & ALLOYS	Cast Iron & Alloy Cast Iron	Vanadium	JIS G 1253

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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
75	CHEMICAL- METALS & ALLOYS	Cobalt Base Alloiys	Copper	ASTM E1916
76	CHEMICAL- METALS & ALLOYS	Cobalt Base Alloys	Aluminium	ASTM E1916:
77	CHEMICAL- METALS & ALLOYS	Cobalt Base Alloys	Aluminium	OIAL/Co/TP/03:
78	CHEMICAL- METALS & ALLOYS	Cobalt Base Alloys	Carbon	OIAL/Co/TP/03:
79	CHEMICAL- METALS & ALLOYS	Cobalt Base Alloys	Chromium	ASTM E1916
80	CHEMICAL- METALS & ALLOYS	Cobalt Base Alloys	Chromium	OIAL/Co/TP/03:
81	CHEMICAL- METALS & ALLOYS	Cobalt Base Alloys	Cobalt	ASTM E1916:
82	CHEMICAL- METALS & ALLOYS	Cobalt Base Alloys	Copper	OIAL/Co/TP/03:
83	CHEMICAL- METALS & ALLOYS	Cobalt Base Alloys	Iron	ASTM E1916
84	CHEMICAL- METALS & ALLOYS	Cobalt Base Alloys	Iron	OIAL/Co/TP/03:
85	CHEMICAL- METALS & ALLOYS	Cobalt Base Alloys	Manganese	ASTM E1916
86	CHEMICAL- METALS & ALLOYS	Cobalt Base Alloys	Manganese	OIAL/Co/TP/03:
87	CHEMICAL- METALS & ALLOYS	Cobalt Base Alloys	Molybdenum	ASTM E1916
88	CHEMICAL- METALS & ALLOYS	Cobalt Base Alloys	Molybdenum	OIAL/Co/TP/03:
89	CHEMICAL- METALS & ALLOYS	Cobalt Base Alloys	Nickel	ASTM E1916
90	CHEMICAL- METALS & ALLOYS	Cobalt Base Alloys	Nickel	OIAL/Co/TP/03:
91	CHEMICAL- METALS & ALLOYS	Cobalt Base Alloys	Niobium	ASTM E1916
92	CHEMICAL- METALS & ALLOYS	Cobalt Base Alloys	Niobium	OIAL/Co/TP/03:
93	CHEMICAL- METALS & ALLOYS	Cobalt Base Alloys	Nitrogen	OIAL/Co/TP/03:

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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
94	CHEMICAL- METALS & ALLOYS	Cobalt Base Alloys	Silicon	ASTM E1916
95	CHEMICAL- METALS & ALLOYS	Cobalt Base Alloys	Silicon	OIAL/Co/TP/03:
96	CHEMICAL- METALS & ALLOYS	Cobalt Base Alloys	Titanium	ASTM E1916
97	CHEMICAL- METALS & ALLOYS	Cobalt Base Alloys	Titanium	OIAL/Co/TP/03:
98	CHEMICAL- METALS & ALLOYS	Cobalt Base Alloys	Tungsten	ASTM E1916
99	CHEMICAL- METALS & ALLOYS	Cobalt Base Alloys	Tungsten	OIAL/Co/TP/03:
100	CHEMICAL- METALS & ALLOYS	Cobalt Base Alloys	Vanadium	ASTM E1916
101	CHEMICAL- METALS & ALLOYS	Cobalt Base Alloys	Vanadium	OIAL/Co/TP/03:
102	CHEMICAL- METALS & ALLOYS	Copper Base Alloy	Chromium	BS EN 15079
103	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Aluminium	BS EN 15079
104	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Antimony	BS EN 15079
105	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Arsenic	BS EN 15079
106	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Beryllium	BS EN 15079
107	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Bismuth	BS EN 15079
108	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Chromium	ASTM E1916
109	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Cobalt	BS EN 15079
110	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Copper	ASTM E1916
111	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Iron	ASTM E1916
112	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Iron	BS EN 15079

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
113	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Lead	ASTM E1916
114	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Lead	BS EN 15079
115	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Magnesium	BS EN 15079
116	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Manganese	ASTM E1916
117	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Manganese	BS EN 15079
118	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Nickel	ASTM E1916
119	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Nickel	BS EN 15079
120	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Phosphorous	BS EN 15079
121	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Silicon	BS EN 15079
122	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Silver	BS EN 15079
123	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Sulphur	BS EN 15079
124	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Tin	ASTM E1916
125	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Tin	BS EN 15079
126	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Zinc	ASTM E1916
127	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Zinc	BS EN 15079
128	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Antimony	ASTM E 1916
129	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Chromium	ASTM E 1916
130	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Cobalt	ASTM E 1916
131	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Copper	ASTM E 1916

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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
132	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Iron	ASTM E 1916
133	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Lead	ASTM E 1916
134	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Manganese	ASTM E 1916
135	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Molybdenum	ASTM E 1916
136	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Nickel	ASTM E 1916
137	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Niobium	ASTM E 1916
138	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Tin	ASTM E 1916
139	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Titanium	ASTM E 1916
140	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Tungsten	ASTM E 1916
141	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Vanadium	ASTM E 1916
142	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Aluminium	ASTM E3047
143	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Aluminium	OIAL/NI/TP-01
144	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Boron	ASTM E3047
145	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Carbon	ASTM E3047
146	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Carbon	OIAL/NI/TP-01
147	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Chromium	ASTM E3047
148	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Cobalt	ASTM E3047
149	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Cobalt	OIAL/NI/TP-01
150	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Copper	ASTM E 3047

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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
151	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Copper	OIAL/NI/TP-01
152	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Iron	ASTM E 3047
153	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Iron	OIAL/NI/TP-01
154	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Magnesium	ASTM E3047
155	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Manganese	ASTM E 3047
156	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Manganese	OIAL/NI/TP-01
157	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Molybdenum	ASTM E 3047
158	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Molydenum	OIAL/NI/TP-01
159	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Nickel	ASTM E 1916
160	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Niobium	ASTM E 3047
161	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Niobium	OIAL/NI/TP-01
162	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Phosphorous	ASTM E 3047
163	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Phosphorous	OIAL/NI/TP-01
164	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Silicon	ASTM E 3047
165	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Silicon	OIAL/NI/TP-01
166	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Sulphur	ASTM E 3047
167	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Sulphur	OIAL/NI/TP-01
168	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Tantalum	ASTM E3047
169	CHEMICAL- METALS & ALLOYS	Nickel Base alloy	Titanium	ASTM E 3047

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170	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Titanium	OIAL/NI/TP-01
171	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Tungsten	ASTM E 3047
172	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Tungsten	OIAL/NI/TP-01
173	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Vanadium	ASTM E 3047
174	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Vanadium	OIAL/NI/TP-01
175	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Zirconium	ASTM E3047
176	CHEMICAL- METALS & ALLOYS	Nickel Base Alloys	Chromium	ASTM E 1916
177	CHEMICAL- METALS & ALLOYS	Nickel Base Alloys	Chromium	OIAL/NI/TP-01
178	CHEMICAL- METALS & ALLOYS	Nickel Base Alloys	Cobalt	ASTM E 1916
179	CHEMICAL- METALS & ALLOYS	Nickel Base Alloys	Copper	ASTM E 1916
180	CHEMICAL- METALS & ALLOYS	Nickel Base Alloys	Iron	ASTM E 1916
181	CHEMICAL- METALS & ALLOYS	Nickel Base Alloys	Manganese	ASTM E 1916
182	CHEMICAL- METALS & ALLOYS	Nickel Base Alloys	Molybdenum	ASTM E 1916
183	CHEMICAL- METALS & ALLOYS	Nickel Base Alloys	Nickel	ASTM E 1916
184	CHEMICAL- METALS & ALLOYS	Nickel Base Alloys	Niobium	ASTM E 1916
185	CHEMICAL- METALS & ALLOYS	Nickel Base Alloys	Titanium	ASTM E 1916
186	CHEMICAL- METALS & ALLOYS	Nickel Base Alloys	Tungsten	ASTM E 1916
187	CHEMICAL- METALS & ALLOYS	Nickel Base Alloys	Vanadium	ASTM E 1916
188	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Aluminium	ASTM E415

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189	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Aluminium	IS 8811
190	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Aluminium	JIS G1253
191	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Boron	ASTM E415
192	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Boron	IS 8811
193	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Boron	JIS G1253
194	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Carbon	ASTM E415
195	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Carbon	IS 8811
196	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Carbon	JIS G1253
197	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Chromium	ASTM E415
198	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Chromium	IS 8811
199	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Chromium	JIS G1253
200	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Cobalt	ASTM E415
201	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Cobalt	IS 8811
202	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Cobalt	JIS G1253
203	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Copper	ASTM E415
204	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Copper	IS 8811
205	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Copper	JIS G1253
206	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Lead	JIS G1253
207	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Manganese	ASTM E415

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208	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Manganese	IS 8811
209	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Manganese	JIS G1253
210	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Molybdenum	ASTM E415
211	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Molybdenum	IS 8811
212	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Molybdenum	JIS G1253
213	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Nickel	ASTM E415
214	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Nickel	IS 8811
215	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Nickel	JIS G1253
216	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Niobium	ASTM E415
217	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Niobium	IS 8811
218	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Niobium	JIS G1253
219	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Nitrogen	ASTM E415
220	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Nitrogen	JIS G1253
221	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Phosphorous	ASTM E415
222	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Phosphorous	IS 8811
223	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Phosphorous	JIS G1253
224	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Silicon	ASTM E415
225	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Silicon	IS 8811
226	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Silicon	JIS G1253

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
227	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Sulphur	ASTM E415
228	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Sulphur	IS 8811
229	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Sulphur	JIS G1253
230	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Titanium	ASTM E415
231	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Titanium	IS 8811
232	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Titanium	JIS G1253
233	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Tungsten	JIS G1253
234	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Vanadium	ASTM E415
235	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Vanadium	IS 8811
236	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel & Low Alloy Steel	Vanadium	JIS G1253
237	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	ASTM E1086
238	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	IS 9879
239	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	ASTM E1086
240	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	IS 9879
241	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	ASTM E1086
242	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	IS 9879
243	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	ASTM E1086
244	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	IS 9879
245	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	ASTM E1086

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246	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	IS 9879
247	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	ASTM E1086
248	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	IS 9879
249	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	ASTM E1086
250	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	IS 9879
251	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	ASTM E1086
252	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	IS 9879
253	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	ASTM E1086
254	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	IS 9879
255	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Aluminium	JIS G1253
256	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Boron	JIS G1253
257	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Carbon	JIS G1253
258	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Chromium	JIS G1253
259	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Cobalt	JIS G1253
260	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Copper	JIS G1253
261	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Manganese	JIS G1253
262	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Molybdenum	JIS G1253
263	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Nickel	JIS G1253
264	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Niobium	JIS G1253

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265	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Nitrogen	JIS G1253
266	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Phosphorus	JIS G1253
267	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Silicon	JIS G1253
268	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Sulphur	JIS G1253
269	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Titanium	JIS G1253
270	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Tungsten	JIS G1253
271	CHEMICAL- METALS & ALLOYS	Stainless Steel & Tool Steel	Vanadium	JIS G1253
272	CHEMICAL- METALS & ALLOYS	Titanium Base Alloy	Iron	ASTM E 1916
273	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Tin	ASTM E1916
274	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Aluminium	ASTM E 2994
275	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Aluminium	OIAL/Ti/TP/02
276	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Carbon	OIAL/Ti/TP/02
277	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Chromium	ASTM E 2994
278	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Chromium	ASTM E1916
279	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Chromium	OIAL/Ti/TP/02
280	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Copper	ASTM E 2994
281	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Copper	ASTM E1916
282	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Copper	OIAL/Ti/TP/02
283	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Iron	ASTM E 2994

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284	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Iron	OIAL/Ti/TP/02
285	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Manganese	ASTM E 2994
286	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Manganese	ASTM E1916
287	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Manganese	OIAL/Ti/TP/02
288	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Molybdenum	ASTM E 2994
289	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Molybdenum	ASTM E1916
290	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Molybdenum	OIAL/Ti/TP/02
291	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Nickel	ASTM E 2994
292	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Nickel	ASTM E1916
293	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Nickel	OIAL/Ti/TP/02
294	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Silicon	ASTM E 2994
295	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Silicon	OIAL/Ti/TP/02
296	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Tin	ASTM E 2994
297	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Tin	ASTM E1916
298	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Tin	OIAL/Ti/TP/02
299	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Titanium	ASTM E1916
300	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Vanadium	ASTM E 2994
301	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Vanadium	ASTM E1916
302	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Vanadium	OIAL/Ti/TP/02

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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
303	CHEMICAL- METALS & ALLOYS	Zinc Base Alloys	Aluminium	ASTM E1916
304	CHEMICAL- METALS & ALLOYS	Zinc Base Alloys	Chromium	ASTM E1916
305	CHEMICAL- METALS & ALLOYS	Zinc Base Alloys	Copper	ASTM E1916
306	CHEMICAL- METALS & ALLOYS	Zinc Base Alloys	Iron	ASTM E1916
307	CHEMICAL- METALS & ALLOYS	Zinc Base Alloys	Lead	ASTM E1916
308	CHEMICAL- METALS & ALLOYS	Zinc Base Alloys	Magnesium	ASTM E1916
309	CHEMICAL- METALS & ALLOYS	Zinc Base Alloys	Manganese	ASTM E1916
310	CHEMICAL- METALS & ALLOYS	Zinc Base Alloys	Nickel	ASTM E1916
311	CHEMICAL- METALS & ALLOYS	Zinc Base Alloys	Tin	ASTM E1916
312	CHEMICAL- METALS & ALLOYS	Zinc Base Alloys	Zinc	ASTM E1916
313	CHEMICAL- WATER	Water for Construction Purpose	Chloride as Cl	IS 3025 Part 32,CL.2
314	CHEMICAL- WATER	Water for Construction Purpose	Inorganic Solids	IS 3025 Part 18
315	CHEMICAL- WATER	Water for Construction Purpose	Organic Solids	IS 3025 Part 18
316	CHEMICAL- WATER	Water for Construction Purpose	PH at 25° C	IS 3025 Part 11
317	CHEMICAL- WATER	Water for Construction Purpose	Quantity of 0.02N H2SO4 required to neutralize 100ml of water sample using mixed indicator	IS 3025 Part 23
318	CHEMICAL- WATER	Water for Construction Purpose	Quantity of 0.02N NaOH required to neutralize 100mlof water sample using phenolphthalein as an indicator	IS 3025 Part 22
319	CHEMICAL- WATER	Water for Construction Purpose	Sulphate as SO3	IS 3025 Part 24
320	CHEMICAL- WATER	Water for Construction Purpose	Suspended Solids	IS 3025 Part 17
321	CHEMICAL- WATER	Water for Drinking Purpose	Calcium as Ca	APHA 23rd Edition (3500 Ca B)
322	CHEMICAL- WATER	Water for Drinking Purpose	Calcium as Ca	IS 3025 Part 40 Cl. 5

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323	CHEMICAL- WATER	Water for Drinking Purpose	Chloride as Cl	APHA 23rd Edition (4500 Cl- B)
324	CHEMICAL- WATER	Water for Drinking Purpose	Chloride as Cl	IS 3025 Part 32 CL.2
325	CHEMICAL- WATER	Water for Drinking Purpose	Chromium as Cr6+	APHA 23rd Edition (3500 Cr B)
326	CHEMICAL- WATER	Water for Drinking Purpose	Chromium as Cr6+	IS 3025 Part 52 Cl. 6
327	CHEMICAL- WATER	Water for Drinking Purpose	Colour	APHA 23rd Edition (2120 B)
328	CHEMICAL- WATER	Water for Drinking Purpose	Colour	IS 3025 Part 04
329	CHEMICAL- WATER	Water for Drinking Purpose	Electrical Conductivity @ 25ºC	APHA 23rd Edition (2510 B)
330	CHEMICAL- WATER	Water for Drinking Purpose	Electrical Conductivity @ 25ºC	IS 3025 Part 14
331	CHEMICAL- WATER	Water for Drinking Purpose	Fluoride as F	APHA 23rd Edition (4500F D)
332	CHEMICAL- WATER	Water for Drinking Purpose	Iron as Fe	APHA 23rd Edition (3500 Fe B)
333	CHEMICAL- WATER	Water for Drinking Purpose	Iron as Fe	IS 3025 Part 53 Cl. 6
334	CHEMICAL- WATER	Water for Drinking Purpose	Magnesium as Mg	APHA 23rd Edition (3500 Mg B)
335	CHEMICAL- WATER	Water for Drinking Purpose	Magnesium as Mg	IS 3025 Part 46 Cl. 6
336	CHEMICAL- WATER	Water for Drinking Purpose	Nitrate as NO3	APHA 23rd Edition (4500 NO3 B)
337	CHEMICAL- WATER	Water for Drinking Purpose	Odour	APHA 23rd Edition (2150 A)
338	CHEMICAL- WATER	Water for Drinking Purpose	Odour	IS 3025 Part 05
339	CHEMICAL- WATER	Water for Drinking Purpose	pH at 25º C	APHA 23rd Edition (4500 –H+ B)
340	CHEMICAL- WATER	Water for Drinking Purpose	pH at 25º C	IS 3025 Part 11
341	CHEMICAL- WATER	Water for Drinking Purpose	Residual Chlorine	IS 3025 Part 26 Cl. 4
342	CHEMICAL- WATER	Water for Drinking Purpose	Sulphate as SO4	APHA 23rd Edition(4500 - SO2-4 E)
343	CHEMICAL- WATER	Water for Drinking Purpose	Sulphate as SO4	IS 3025 Part 24
344	CHEMICAL- WATER	Water for Drinking Purpose	Taste	IS 3025 Part 07, 08
345	CHEMICAL- WATER	Water for Drinking Purpose	Total Alkalinity as CaCO3	APHA 23rd Edition ,(2320 B)
346	CHEMICAL- WATER	Water for Drinking Purpose	Total Alkalinity as CaCO3	IS 3025 Part 23
347	CHEMICAL- WATER	Water for Drinking Purpose	Total Dissolved Solids	APHA 23rd Edition (2540 C)
348	CHEMICAL- WATER	Water for Drinking Purpose	Total Dissolved Solids	IS 3025 Part 16
349	CHEMICAL- WATER	Water for Drinking Purpose	Total Hardness as CaCO3	APHA 23rd Edition (2340 C)

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350	CHEMICAL- WATER	Water for Drinking Purpose	Total Hardness as CaCO3	IS 3025 Part 21 Cl. 5
351	CHEMICAL- WATER	Water for Drinking Purpose	Turbidity	APHA 23rd Edition (2130 B)
352	CHEMICAL- WATER	Water for Drinking Purpose	Turbidity	IS 3025 Part 10
353	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Concrete Blocks (AAC Blocks)	Block Density	IS 6441 (Part-1)
354	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Concrete Blocks (AAC Blocks)	Compressive Strength	IS 6441 (Part-5)
355	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Concrete Blocks (AAC Blocks)	Moisture Content	IS 6441 (Part 1)
356	MECHANICAL- BUILDINGS MATERIALS	Bricks (Clay burned /Fly Ash)	Dimension Test - Length	IS 1077
357	MECHANICAL- BUILDINGS MATERIALS	Bricks (Clay burned) /Fly Ash	Compressive Strength	IS 3495 Part 1
358	MECHANICAL- BUILDINGS MATERIALS	Bricks (Clay burned) /Fly Ash	Efflorescence	IS 3495 Part 3
359	MECHANICAL- BUILDINGS MATERIALS	Bricks (Clay burned) /Fly Ash	Water Absorption	IS 3495 Part 2
360	MECHANICAL- BUILDINGS MATERIALS	Bricks (Clay burned/Fly Ash)	Dimension Test - Breadth	IS 1077
361	MECHANICAL- BUILDINGS MATERIALS	Bricks (Clay burned/Fly Ash)	Dimension Test - Height	IS 1077
362	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/PSC/SRPC)	Intial Setting Time	IS 4031 (Part 5)
363	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/PSC/SRPC)	Final Setting Time	IS 4031 (Part 5)
364	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/PSC/SRPC)	Compressive Strength (N/mm^2)	IS 4031 (Part 6)
365	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/PSC/SRPC)	Fineness (Blain's Air Permeability method)	IS 4031 (Part 2)
366	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/PSC/SRPC)	Normal Consistancy	IS 4031 (Part 4)
367	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/PSC/SRPC)	Soundness (Le-Chaltier Method)	IS 4031 (Part 3)
368	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/PSC/SRPC)	Specific Gravity	IS 4031 (Part 11)
369	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/PSC/SRPC)	Soundness (by Autoclave)	IS 4031 (Part 3)

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370	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Abrasion Value	IS 2386 (Part4)
371	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density - Loose	IS 2386 (Part 3)
372	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density - Rodded	IS 2386 (Part 3)
373	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)
374	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part1)
375	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part1)
376	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4)
377	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis	IS 2386 (Part 1)
378	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
379	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
380	MECHANICAL- BUILDINGS MATERIALS	Concrete Blocks (Hollow/Solid)	Block Density	IS:2185 (Part-1)
381	MECHANICAL- BUILDINGS MATERIALS	Concrete Blocks (Hollow/Solid)	Compressive -Strength	IS:2185 (Part-1)
382	MECHANICAL- BUILDINGS MATERIALS	Concrete Blocks (Hollow/Solid)	Water Absorption	IS:2185 (Part-1)
383	MECHANICAL- BUILDINGS MATERIALS	Concrete Cubes - Accelerated Curing	Compressive Strength	IS 9013
384	MECHANICAL- BUILDINGS MATERIALS	Concrete Cubes/Cores	Compressive -Strength	IS 516
385	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Compressive Strength	IS 15658
386	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Water Absorption	IS 15658
387	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate (River Sand, M. Sand, P. Sand & Crushing Sand)	Bulk Density - Loose	IS 2386 (Part 3)
388	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate (River Sand, M. Sand, P. Sand & Crushing Sand)	Bulk Density - Rodded	IS 2386 (Part 3)

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389	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate (River Sand, M. Sand, P. Sand & Crushing Sand)	Bulking	IS 2386 (Part-3)
390	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate (River Sand, M. Sand, P. Sand & Crushing Sand)	Moisture Content	IS 2386 (Part-3)
391	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate (River Sand, M. Sand, P. Sand & Crushing Sand)	Sieve Analysis	IS 2386 (Part 1)
392	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate (River Sand, M. Sand, P. Sand & Crushing Sand)	Silt Content	IS 2386 (Part 2)
393	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate (River Sand, M. Sand, P. Sand & Crushing Sand)	Specific Gravity	IS 2386 (Part 3)
394	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate (River Sand, M. Sand, P. Sand & Crushing Sand)	Water Absorption	IS 2386 (Part 3)
395	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Fineness by (Blain's Air Permeability method)	IS 1727
396	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Residue on 45 micron IS sieve	IS 1727
397	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Soundness (by Autoclave)	IS 1727
398	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Specific Gravity	IS 1727
399	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Coupler (Static Tensile Test)	Tensile Strength	IS 1608 (Part 1) & IS 16172
400	MECHANICAL- BUILDINGS MATERIALS	Reinforcement Coupler(Static Tensile Test)	Total Elongation at Maximum force	IS 16172
401	MECHANICAL- BUILDINGS MATERIALS	Reinforcing Steel	0.2% Proof Strength	IS 1608 (Part 1)
402	MECHANICAL- BUILDINGS MATERIALS	Reinforcing Steel	Bend Test	IS 1599
403	MECHANICAL- BUILDINGS MATERIALS	Reinforcing Steel	Deformation Geometry (Area of Transverse Rib)	IS 1786
404	MECHANICAL- BUILDINGS MATERIALS	Reinforcing Steel	Elongation	IS 1608 (Part-1)
405	MECHANICAL- BUILDINGS MATERIALS	Reinforcing Steel	Rebend Test	IS 1786
406	MECHANICAL- BUILDINGS MATERIALS	Reinforcing Steel	Total Elongation at Maximum Force	IS 1608 (Part-1)
407	MECHANICAL- BUILDINGS MATERIALS	Reinforcing Steel	TS/YS Ratio	IS 1786

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408	MECHANICAL- BUILDINGS MATERIALS	Reinforcing Steel	Ultimate Tensile Strength	IS 1608 (Part-1)
409	MECHANICAL- BUILDINGS MATERIALS	Reinforcing Steel	Weight / meter	IS 1786
410	MECHANICAL- BUILDINGS MATERIALS	Reinforcing Steel	Yield Strength	IS 1608 (Part-1)
411	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Brinell Hardness - HBW 10/3000	ASTM E10
412	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Brinell Hardness - HBW 2.5/187.5	ASTM E10
413	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Brinell Hardness -HBW (5/750)	ASTM E10
414	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Low Alloy Steels ,Stainless Steels	Shear Strength	SA 263 CL -7.2.1
415	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Titanium Base Alloys, Nickel Base Alloys	Rockwell Hardness (HRC)	ASTM E18
416	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Base Alloys	Reduction in area %	ASTM B 557M
417	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Base Alloys,	% of Elongation	ASTM B 557M
418	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Base Alloys,	0.2% Proof Stress	ASTM B 557M
419	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Base Alloys,	Tensile Strength	ASTM B 557M
420	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys,	Yield Strength	ASTM B 557M
421	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys,	Brinell Hardness - HBW 10/1000	ASTM E10

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422	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys,	Brinell Hardness - HBW 10/1000	ISO-6506-1-14 & IS 1500 (Part 1)
423	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
424	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	0.2%Proof stress	ISO-6892-1-16 & IS 1608 (Part 1)
425	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Bend	ISO-7438-16 & IS 1599
426	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Elongation	ASTM E8/E8M
427	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Flattening test (Tubes & Pipes)	IS 2328
428	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
429	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)	ISO-148-P1-16 & IS:1757(Part 1)
430	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Impact Test - Izod (Ambient Temperature)	IS 1598
431	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Micro Vickers - HV 0.1	ASTM E384
432	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Micro Vickers - HV 0.1	ASTM E92
433	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)
434	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Micro Vickers - HV 0.3	ASTM E384
435	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Micro Vickers - HV 0.3	ASTM E92

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436	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)
437	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Micro Vickers - HV 0.5	ASTM E384
438	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Micro Vickers - HV 0.5	ASTM E92
439	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)
440	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Micro Vickers - HV 1.0	ASTM E384
441	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Micro Vickers - HV 1.0	ASTM E92
442	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Reduction Area	ASTM E8/E8M
443	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Reduction in area	ISO-6892-1-16 & IS 1608(Part 1)
444	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Rockwell Hardness (HRBW)	ASTM E18
445	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Rockwell Hardness (HRBW)	ISO-6508-1-16 & IS:1586(Part 1)
446	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Tensile Strength	ASTM E8/E8M
447	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Tensile strength	ISO-6892-1-16 & IS 1608(Part 1)
448	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Vickers Hardness - HV 5	ASTM E92
449	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)

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450	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Vickers Hardness - HV10	ASTM E92
451	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Vickers Hardness - HV10	IS 1501 (Part 1)
452	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Vickers Hardness - HV30	ASTM E92
453	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Vickers Hardness - HV30	IS 1501 (Part 1)
454	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Yield Strength	ASTM E8/E8M
455	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Yield Strength	ISO-6892-1-16 & IS 1608(Part 1)
456	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
457	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys)	Elongation	ISO-6892-1-16 & IS 1608 (Part 1)
458	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)
459	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Brinell Hardness - HBW 10/3000	ISO-6506-1-14 & IS 1500 (Part 1)
460	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Brinell Hardness - HBW 2.5/187.5	ISO-6506-1-14 & IS 1500 (Part 1)
461	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Brinell Hardness-HBW (5/750)	ISO-6506-1-14 & IS 1500(Part 1)
462	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Drift Expansion test (For Tubes)	IS 2335
463	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Nickel Base Alloys	Shear Strength	SA 264-CL 7.2.1

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464	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels	Reduction Area	BS EN 10164
465	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels	Reduction Area	SA 770/SA-770M
466	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels	Drift Expansion test (For Tubes)	IS 2335
467	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels	Flattening test (Tubes & Pipes)	ASTM A 370
468	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels , Tool Steels.	Rockwell Hardness (HRC)	ASTM E18
469	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
470	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
471	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
472	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
473	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)
474	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)
475	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels,	Flattening test (Tubes & Pipes)	IS 2328
476	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels	Brinell Hardness - HBW 2.5/187.5	ASTM E10
477	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels	Elongation	IS 1608 (Part 1) & ISO 6892-1

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478	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels	Proof Load	ISO-898-1-2013-CL-9.6 & IS-1367-3-CL-8.5
479	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels	Proof Load	ISO-898-2-2012-CL-9.1 & IS-1367-6-CL-8.1
480	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels,	0.2% Proof Stress	ASTM A 370
481	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels,	0.2%Proof stress	ASTM E 8 / E8M
482	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels,	0.2%Proof stress	IS 1608 (Part 1) & ISO-6892-1
483	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels,	Elongation	ASTM A 370
484	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels,	Elongation	ASTM E8/E8M
485	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels,	Reduction Area	ASTM A 370
486	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels,	Reduction Area	ASTM E8/E8M
487	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels,	Reduction in area	IS 1608(Part 1) & ISO-6892-1
488	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels,	Yield Strength	ASTM A 370
489	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels,	Yield Strength	IS 1608 (Part 1) & ISO-6892-1
490	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Cast Iron,	Brinell Hardness - HBW 10/3000	ASTM E10
491	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Cast Iron.	Brinell Hardness - HBW 10/1000	ASTM E10

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492	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Cast Iron.	Brinell Hardness - HBW 2.5/187.5	ISO-6506-1-14 & IS 1500 (Part 1)
493	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Cast Iron.	Brinell Hardness-HBW (5/750)	ISO-6506-1-14 & IS 1500(Part 1)
494	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Cast Iron	Brinell Hardness - HBW 10/1000	ISO-6506-1-14 & IS 1500 (Part 1)
495	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
496	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Cast Iron	Micro Vickers - HV 1	ASTM E384
497	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Cast Iron	Micro Vickers - HV 1	ASTM E92
498	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Cast Iron,	Brinell Hardness - HBW 10/3000	ISO-6506-1-14 & IS 1500 (Part 1)
499	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
500	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Cast Iron.	Bend	ISO-7438-16 & IS 1599
501	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Cast Iron.	Brinell Hardness -HBW (5/750)	ASTM E10
502	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Cast Iron.	Impact Test - Charpy (-196°C to+100°C)	ASTM A370 & E23
503	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)	ISO-148-P1-16 & IS:1757(Part 1)
504	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
505	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)

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506	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)
507	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
508	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)
509	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Reinforcing steels, Cast Iron	Vickers Hardness - HV10	ASTM E92
510	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels, Reinforcing steels, Cast Iron	Vickers Hardness - HV30	ASTM E92
511	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
512	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)
513	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)
514	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels,, Cast Iron,	Tensile strength	ISO-6892-1-16 & IS 1608(Part 1)
515	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels, Tool Steels,Cast Iron	Yield Strength	ASTM E8/E8M
516	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels,Tool Steels, Cast Iron,	Tensile Strength	ASTM A 370
517	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels,Tool Steels, Cast Iron.	Tensile Strength	ASTM E8/E8M
518	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels.	Rockwell Hardness (HRBW)	ASTM E18
519	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels Low Alloy Steels Stainless Steels.	Rockwell Hardness (HRBW)	ISO-6508-1-16 & IS:1586(Part 1)

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520	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plain Carbon Steels, Low Alloy Steels Stainless Steels, Tool Steels	Rockwell Hardness (HRC)	ISO-6508-1-16 & IS 1586(Part 1)
521	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Titanium Base Alloys, Nickel Base Alloys	Rockwell Hardness (HRC)	ISO-6508-1-14 & IS 1586 (Part-1)
522	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld Material	0.2% Proof Stress	ASME Sec II(PartC)
523	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	% of Elongation	ASME Sec II(PartC)
524	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	% of Elongation	AWS D1.1/D1.1 M, Cl: 6.10.3.6
525	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	% of Elongation	IBR 1950 (Clause 259(b)
526	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	% of Elongation	IS:814
527	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	0.2%Proof stress	AWS D1.1/D1.1 M, Cl: 6.10.3.6
528	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Bend Test (Side Bend)	AWS D1.1/D1.1M,CL.6.10.3.1 to 6.10.3.3
529	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Bend Test (Face Bend)	ASME Sec IX, Cl: QW – 462.3
530	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Bend Test (Face Bend)	AWS D1.1/D1.1M,CL.6.10.3.1 to 6.10.3.3
531	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Bend Test (Face Bend, Root Bend)	IBR 1950 (Clause 261 to 262)
532	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Bend Test (Face Bend, Root Bend, Side Bend)	ISO 5173
533	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Bend Test (Root Bend)	ASME Sec IX, Cl: QW – 462.3

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534	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Bend Test (Root Bend)	AWS D1.1/D1.1M,CL.6.10.3.1 to 6.10.3.3
535	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Charpy Impact Test	IBR 1950 (Clause 263)
536	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Impact Test - Charpy - (-196°C to +100°C)	ISO-148-P1-16 & IS:1757(Part 1)
537	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Impact Test - Charpy - (-50°C to Ambient temperature)	IS:1499
538	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Impact Test - Charpy (-196°C to+100°C)	ASTM A370 & E23
539	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Impact Test - Izod - (Ambient Temp)	IS:1598 : 1977 RA
540	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Micro Vickers - HV 0.1	ASTM E92
541	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Micro Vickers - HV 0.3	ASTM E384
542	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Micro Vickers - HV 0.3	ASTM E92
543	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Micro Vickers - HV 0.3	IS 1501(Part 1)
544	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Micro Vickers HV 0.1	ASTM E384
545	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Micro Vickers HV 0.1	IS 1501 (Part 1)
546	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Micro Vickers HV 0.5	ASTM E384
547	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Micro Vickers HV 0.5	IS 1501 (Part 1)

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548	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Micro Vickers- HV 0.5	ASTM E92
549	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Micro Vickers HV 1.0	IS 1501 (Part 1) :
550	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Micro Vickers- HV 1.0	ASTM E92
551	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Micro Vickers HV1.0	ASTM E384
552	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Reduction in area %	ASME Sec II(PartC)
553	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Reduction in area %	AWS D1.1/D1.1 M,Cl:6.10.3.6 Cl: 4.9.3.4 to 4.9.3.6
554	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Reduction in area %	IS:814
555	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	SHEAR-AXIAL LOAD	ASME SEC VIII APPENDIX-A
556	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Side Bend (Bend Test)	ASME Sec IX, Cl: QW – 462.2
557	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Tensile strength	ASME Sec II(PartC)
558	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Tensile strength	ASME Sec IX Cl: QW – 462.1
559	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Tensile strength	AWS D1.1/D1.1 M, Cl: 6.10.3.4 to 6.10.3.6
560	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Tensile Strength	IBR 1950 (Clause 259)
561	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Tensile strength	IS:814

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562	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Tensile Strength	ISO 4136
563	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Vickers Hardness (HV 10)	ASME Sec IX
564	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Vickers Hardness (HV 5)	ISO 9015-1
565	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Vickers Hardness -HV 10	ASTM E92
566	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Vickers Hardness -HV 10	ISO 9015-1
567	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Vickers Hardness -HV 5	ASTM E92
568	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Vickers Hardness HV10	IS 1501 (Part 1)
569	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Vickers Hardness HV5	IS 1501 (Part 1)
570	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Material	Yield Strength	IS:814
571	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)
572	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)
573	MECHANICAL-METALLOGRAPHY TEST	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Grain Size (by ASTM Chart Comparison Method)	ASTM E112
574	MECHANICAL-METALLOGRAPHY TEST	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Macrostructure	ASTM E 340
575	MECHANICAL-METALLOGRAPHY TEST	Aluminum Base Alloys, Copper Base Alloys, Titanium Base Alloys, Nickel Base Alloys	Microstructure	ASM Hand Book Volume 9 , ASTM E883
576	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steels	Inter-granular Corrosion Test (IGC)	ASTM A262 - Practice A & E

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577	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steels	Inter-granular Corrosion Test (IGC)	ASTM A262 - Practice B
578	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steels	Inter-granular Corrosion Test (IGC)	ASTM A262 - Practice C
579	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steels	Inter-granular Corrosion Test (IGC)	ASTM A262 - Practice F
580	MECHANICAL-METALLOGRAPHY TEST	Cast Iron	Graphite in Cast Iron (Nodular Cast Iron, Grey Cast Iron & Malleable Cast Iron)	ASTM A247
581	MECHANICAL-METALLOGRAPHY TEST	Cast Iron	Graphite in Cast Iron (Nodular Cast Iron, Grey Cast Iron & Malleable Cast Iron)	IS 7754
582	MECHANICAL-METALLOGRAPHY TEST	Chromium-Bearing Alloys, Corrosion Resistance of Stainless Steels, Nickel-Rich Alloys, Inconel Alloys	Pitting Corrosion Test	ASTM G 48 - Method A
583	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
584	MECHANICAL-METALLOGRAPHY TEST	Chromium-Bearing Alloys, Corrosion Resistance of Stainless Steels, Nickel-Rich Alloys, Inconel Alloys	Pitting Corrosion Test	ASTM G 48 - Method B
585	MECHANICAL-METALLOGRAPHY TEST	Duplex Stainless Steel	Corrosion Resistance Test	ASTM A923 Method-C
586	MECHANICAL-METALLOGRAPHY TEST	Duplex Stainless Steel	Corrosion Test	ISO 17781 Class 5.5
587	MECHANICAL-METALLOGRAPHY TEST	Duplex Stainless Steel	Microstructure	ISO 17781 Class 5.2
588	MECHANICAL-METALLOGRAPHY TEST	Duplex Stainless Steels	Microstructure	ASTM A 923(Method A)
589	MECHANICAL-METALLOGRAPHY TEST	Duplex Stainless Steels	Microstructure	ASTM A923 (Method A)
590	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
591	MECHANICAL-METALLOGRAPHY TEST	Plain Carbon Steels, Low Alloy Steels, Stainless Steels, Tool Steels, Cast Iron	Macrostructure	ASTM E 381
592	MECHANICAL-METALLOGRAPHY TEST	Plain Carbon Steels, Low Alloy Steels, Stainless Steels, Tool Steels, Cast Iron	Macrostructure	IS: 11371
593	MECHANICAL-METALLOGRAPHY TEST	Plain Carbon Steels, Low Alloy Steels	Depth of Decarburized Layer	ASTM E 1077
594	MECHANICAL-METALLOGRAPHY TEST	Plain Carbon Steels, Low Alloy Steels	Depth of Decarburized Layer	IS : 6396

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595	MECHANICAL-METALLOGRAPHY TEST	Plain Carbon Steels, Low Alloy Steels, Stainless Steels, Tool Steels	Grain Size (by ASTM Chart Comparison method)	ASTM E112
596	MECHANICAL-METALLOGRAPHY TEST	Plain Carbon Steels, Low Alloy Steels, Stainless Steels, Tool Steels	Grain Size (by ASTM Chart Comparison method)	IS 4748
597	MECHANICAL-METALLOGRAPHY TEST	Plain Carbon Steels, Low Alloy Steels, Stainless Steels, Tool Steels	Inclusion Rating	ASTM E 45
598	MECHANICAL-METALLOGRAPHY TEST	Plain Carbon Steels, Low Alloy Steels, Stainless Steels, Tool Steels	Inclusion Rating	IS : 4163
599	MECHANICAL-METALLOGRAPHY TEST	Plain Carbon Steels, Low Alloy Steels, Stainless Steels, Tool Steels	Macrostructure	ASTM E 340
600	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)
601	MECHANICAL-METALLOGRAPHY TEST	Plain Carbon Steels, Low Alloy Steels, Stainless Steels, Tool Steels, Cast Iron	Electro Plated Coating Thickness of Metal	IS 3203 (by Microscopic Method)
602	MECHANICAL-METALLOGRAPHY TEST	Plain Carbon Steels, Low Alloy Steels, Stainless Steels, Tool Steels, Cast Iron	Microstructure	ASM Hand Book Volume 9 , ASTM E 883
603	MECHANICAL-METALLOGRAPHY TEST	Plain Carbon Steels, Low Alloy Steels, Tool Steels	Effective Case Depth (by Hardness Method)	ASTM B934
604	MECHANICAL-METALLOGRAPHY TEST	Plain Carbon Steels, Low Alloy Steels, Tool Steels	Effective Case Depth (by Hardness Method)	IS 6416
605	MECHANICAL-METALLOGRAPHY TEST	Plain Carbon Steels, Low Alloy Steels, Tool Steels	Total Case Depth (by Microscopic Method)	IS 6416
606	MECHANICAL-METALLOGRAPHY TEST	Welded Metals	Grain Size (by ASTM Chart Comparison Method)	ASTM E112
607	MECHANICAL-METALLOGRAPHY TEST	Welded Metals	Grain Size (by ASTM Chart Comparison Method)	IS 4748
608	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
609	MECHANICAL-METALLOGRAPHY TEST	Welded Metals	Macrostructure	ASTM E 340
610	MECHANICAL-METALLOGRAPHY TEST	Welded Metals	Macrostructure	ASTM E 381
611	MECHANICAL-METALLOGRAPHY TEST	Welded Metals	Macrostructure	IBR 1950 (Clause 265a)
612	MECHANICAL-METALLOGRAPHY TEST	Welded Metals	Macrostructure	IS: 11371

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613	MECHANICAL-METALLOGRAPHY TEST	Welded Metals	Macrostructure	ISO 17639
614	MECHANICAL-METALLOGRAPHY TEST	Welded Metals	Microstructure	ASM Hand Book Volume 9 , ASTM E883
615	MECHANICAL-METALLOGRAPHY TEST	Welded Metals	Microstructure	IBR 1950 (Clause 265a)
616	MECHANICAL-METALLOGRAPHY TEST	Welded Metals	Microstructure	ISO 17639
617	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics	Charpy Impact	ASTM D6110
618	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics	Elongation at Break	ASTM D638
619	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics	Flexural	ASTM D790
620	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics	Heat Deflection Temperature @ 1820 kPa	ASTM D648
621	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics	Heat Deflection Temperature @ 455 kPa	ASTM D648
622	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics	Izod Impact	ASTM D256
623	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics	Melt Flow Rate	ASTM D1238 Procedure A
624	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics	Melt Volume Rate	ASTM D1238
625	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics	Melting & Crystallization by DSC	ISO 11357 Part 3
626	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics	Specific Gravity	ASTM D792
627	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics	Tensile Strength	ASTM D638
628	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics	Vicat Softening Temperature	ASTM D1525
629	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics	Water Absorption	ASTM D570 RA2018
630	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics & Rubbers	Glass Transition Temperature by DSC	ISO 11357 Part 2
631	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics & Rubbers	Shore D Hardness	ASTM D2240

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632	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymers / Plastics	Ash Content	ASTM D5630 (Procedure - B)
633	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	UV Resistant Automobiles plastic Components, Polymers, & Coated/ Painted panels, Coatings	UV Weatherability (UVA340nm & UVB313nm)	ASTM D 4329
634	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	UV Resistant Automobiles plastic Components, Polymers, & Coated/ Painted panels, Coatings	UV Weatherability (UVA340nm & UVB313nm)	ASTM G 154
635	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	UV Resistant Automobiles plastic Components, Polymers, & Coated/ Painted panels, Coatings	UV Weatherability (UVA340nm & UVB313nm)	BS EN 927
636	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	UV Resistant Automobiles plastic Components, Polymers, & Coated/ Painted panels, Coatings	UV Weatherability (UVA340nm & UVB313nm)	ISO 4892-3
637	MECHANICAL- SOIL AND ROCK	Natural Building Stones	Compressive Strength	IS 1121 (Part-1)
638	MECHANICAL- SOIL AND ROCK	Natural Building Stones	Specific Gravity	IS 1124
639	MECHANICAL- SOIL AND ROCK	Natural Building Stones	Water Absorption	IS 1124
640	MECHANICAL- SOIL AND ROCK	Soil	Atterberg Limit - Plastic Limit (PL)	IS 2720 (Part 5)
641	MECHANICAL- SOIL AND ROCK	Soil	Atterberg Limit -Liquid Limit (LL)	IS 2720 (Part 5)
642	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
643	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis	IS 2720 (Part 4)
644	MECHANICAL- SOIL AND ROCK	Soil	Maximum Dry Density (Light & Heavy Compaction)	IS 2720 (Part 7) & IS 2720 (Part 8)
645	MECHANICAL- SOIL AND ROCK	Soil	Optimum Moisture Content (Light & Heavy Compaction)	IS 2720 (Part 7) & IS 2720 (Part 8)
646	MECHANICAL- SOIL AND ROCK	Wet Mix Macadam (WMM) / Granular Sub Base (GSB)	Maximum Dry Density (Heavy Compaction)	IS 2720 (Part 8)
647	MECHANICAL- SOIL AND ROCK	Wet Mix Macadam (WMM) / Granular Sub Base (GSB)	Optimum Moisture Content (Heavy Compaction)	IS 2720 (Part 8)
648	MECHANICAL- SOIL AND ROCK	Wet Mix Macadam (WMM) / Granular Sub Base (GSB)	Sieve Analysis	IS 2386 (Part 1) & Morth 5th Rev
649	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	RCC / PCC Structures	Rebound Hammer test	IS 13311 (Part 2)

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650	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	RCC / PCC Structures	Ultrasonic Pulse Velocity Test	IS 516 (Part 5/Sec 1)
651	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)
652	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)
653	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Material - Forgings	Ultrasonic Testing by Pulse Echo contact method.	ASTM A388/A388M
654	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Material - Plate	Ultrasonic Testing by Pulse Echo contact method.	ASTM A577/A577M
655	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous materials - Castings	Ultrasonic Testing by Pulse Echo contact method.	ASTM A609/ A609M
656	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Materials - Plate	Ultrasonic Testing by Pulse Echo contact method.	ASTM A435/A435M
657	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous materials - Plates	Ultrasonic Testing by Pulse echo contact method	ASTM A578 / A578M
658	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
659	NON-DESTRUCTIVE-METALS & ALLOYS	Metals	Ultrasonic Thickness Testing, Dia more than 38 mm	IS 15435
660	NON-DESTRUCTIVE-METALS & ALLOYS	Metals	Ultrasonic Thickness Testing, dia more than 38 mm dia objects Only.	ASTM E797/E797M

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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
Site Facility				
1	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Aluminium	ASTM E1916
2	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Chromium	ASTM E1916
3	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Cobalt	ASTM E1916
4	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Copper	ASTM E1916
5	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Iron	ASTM E1916
6	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Lead	ASTM E1916
7	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Magnesium	ASTM E1916
8	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Manganese	ASTM E1916
9	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Nickel	ASTM E1916
10	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Silicon	ASTM E1916
11	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Tin	ASTM E1916
12	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Titanium	ASTM E1916
13	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Vanadium	ASTM E1916
14	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloys	Zinc	ASTM E1916
15	CHEMICAL- METALS & ALLOYS	Cobalt Base Alloiys	Copper	ASTM E1916
16	CHEMICAL- METALS & ALLOYS	Cobalt Base Alloys	Aluminium	ASTM E1916:
17	CHEMICAL- METALS & ALLOYS	Cobalt Base Alloys	Chromium	ASTM E1916
18	CHEMICAL- METALS & ALLOYS	Cobalt Base Alloys	Cobalt	ASTM E1916:

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
19	CHEMICAL- METALS & ALLOYS	Cobalt Base Alloys	Iron	ASTM E1916
20	CHEMICAL- METALS & ALLOYS	Cobalt Base Alloys	Manganese	ASTM E1916
21	CHEMICAL- METALS & ALLOYS	Cobalt Base Alloys	Molybdenum	ASTM E1916
22	CHEMICAL- METALS & ALLOYS	Cobalt Base Alloys	Nickel	ASTM E1916
23	CHEMICAL- METALS & ALLOYS	Cobalt Base Alloys	Niobium	ASTM E1916
24	CHEMICAL- METALS & ALLOYS	Cobalt Base Alloys	Silicon	ASTM E1916
25	CHEMICAL- METALS & ALLOYS	Cobalt Base Alloys	Titanium	ASTM E1916
26	CHEMICAL- METALS & ALLOYS	Cobalt Base Alloys	Tungsten	ASTM E1916
27	CHEMICAL- METALS & ALLOYS	Cobalt Base Alloys	Vanadium	ASTM E1916
28	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Chromium	ASTM E1916
29	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Copper	ASTM E1916
30	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Iron	ASTM E1916
31	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Lead	ASTM E1916
32	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Manganese	ASTM E1916
33	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Nickel	ASTM E1916
34	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Tin	ASTM E1916
35	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Zinc	ASTM E1916
36	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Antimony	ASTM E 1916
37	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Chromium	ASTM E 1916

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
38	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Cobalt	ASTM E 1916
39	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Copper	ASTM E 1916
40	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Iron	ASTM E 1916
41	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Lead	ASTM E 1916
42	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Manganese	ASTM E 1916
43	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Molybdenum	ASTM E 1916
44	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Nickel	ASTM E 1916
45	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Niobium	ASTM E 1916
46	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Tin	ASTM E 1916
47	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Titanium	ASTM E 1916
48	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Tungsten	ASTM E 1916
49	CHEMICAL- METALS & ALLOYS	Iron Base Alloys	Vanadium	ASTM E 1916
50	CHEMICAL- METALS & ALLOYS	Nickel Base Alloy	Nickel	ASTM E 1916
51	CHEMICAL- METALS & ALLOYS	Nickel Base Alloys	Chromium	ASTM E 1916
52	CHEMICAL- METALS & ALLOYS	Nickel Base Alloys	Cobalt	ASTM E 1916
53	CHEMICAL- METALS & ALLOYS	Nickel Base Alloys	Copper	ASTM E 1916
54	CHEMICAL- METALS & ALLOYS	Nickel Base Alloys	Iron	ASTM E 1916
55	CHEMICAL- METALS & ALLOYS	Nickel Base Alloys	Manganese	ASTM E 1916
56	CHEMICAL- METALS & ALLOYS	Nickel Base Alloys	Molybdenum	ASTM E 1916

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
57	CHEMICAL- METALS & ALLOYS	Nickel Base Alloys	Nickel	ASTM E 1916
58	CHEMICAL- METALS & ALLOYS	Nickel Base Alloys	Niobium	ASTM E 1916
59	CHEMICAL- METALS & ALLOYS	Nickel Base Alloys	Titanium	ASTM E 1916
60	CHEMICAL- METALS & ALLOYS	Nickel Base Alloys	Tungsten	ASTM E 1916
61	CHEMICAL- METALS & ALLOYS	Nickel Base Alloys	Vanadium	ASTM E 1916
62	CHEMICAL- METALS & ALLOYS	Titanium Base Alloy	Iron	ASTM E 1916
63	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Tin	ASTM E1916
64	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Chromium	ASTM E1916
65	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Copper	ASTM E1916
66	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Manganese	ASTM E1916
67	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Molybdenum	ASTM E1916
68	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Nickel	ASTM E1916
69	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Tin	ASTM E1916
70	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Titanium	ASTM E1916
71	CHEMICAL- METALS & ALLOYS	Titanium Base Alloys	Vanadium	ASTM E1916
72	CHEMICAL- METALS & ALLOYS	Zinc Base Alloys	Aluminium	ASTM E1916
73	CHEMICAL- METALS & ALLOYS	Zinc Base Alloys	Chromium	ASTM E1916
74	CHEMICAL- METALS & ALLOYS	Zinc Base Alloys	Copper	ASTM E1916
75	CHEMICAL- METALS & ALLOYS	Zinc Base Alloys	Iron	ASTM E1916

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
76	CHEMICAL- METALS & ALLOYS	Zinc Base Alloys	Lead	ASTM E1916
77	CHEMICAL- METALS & ALLOYS	Zinc Base Alloys	Magnesium	ASTM E1916
78	CHEMICAL- METALS & ALLOYS	Zinc Base Alloys	Manganese	ASTM E1916
79	CHEMICAL- METALS & ALLOYS	Zinc Base Alloys	Nickel	ASTM E1916
80	CHEMICAL- METALS & ALLOYS	Zinc Base Alloys	Tin	ASTM E1916
81	CHEMICAL- METALS & ALLOYS	Zinc Base Alloys	Zinc	ASTM E1916
82	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	RCC / PCC Structures	Rebound Hammer test	IS 13311 (Part 2)
83	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	RCC / PCC Structures	Ultrasonic Pulse Velocity Test	IS 516 (Part 5/Sec 1)
84	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)
85	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)
86	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Material - Forgings	Ultrasonic Testing by Pulse Echo contact method.	ASTM A388/A388M
87	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Material - Plate	Ultrasonic Testing by Pulse Echo contact method.	ASTM A577/A577M
88	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Materials - Plate	Ultrasonic Testing by Pulse Echo contact method.	ASTM A435/A435M
89	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous materials - Plates	Ultrasonic Testing by Pulse echo contact method	ASTM A578 / A578M
90	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