National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : RAJKOT METLAB SERVICES, NATIONAL HIGHWAY 27, RAJKOT, GUJARAT, INDIA
Accreditation Standard ISO/IEC 17025:2017
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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	CHEMICAL- BUILDING MATERIAL	Admixture	Ash content	IS 9103
2	CHEMICAL- BUILDING MATERIAL	Admixture	Chloride ion content	IS 6925
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	Aggregate, Rock stone	Calcium Carbonate	BS 1377 Part 3
7	CHEMICAL- BUILDING MATERIAL	Aggregate, Rock stone	Soluble Chloride as Cl	BS 1377 Part 3
8	CHEMICAL- BUILDING MATERIAL	Aggregate, Rock stone	Sulphate as SO3 (Acid Extract)	BS 1377 Part 3
9	CHEMICAL- BUILDING MATERIAL	Aggregates	Alkali Aggregate Reactivity	IS 2386 Part 7
10	CHEMICAL- BUILDING MATERIAL	Aggregates	Deleterious Material	IS 2386 Part 1 & 2
11	CHEMICAL- BUILDING MATERIAL	Cement & GGBS	Alkalies as (K2O)	IS 4032
12	CHEMICAL- BUILDING MATERIAL	Cement & GGBS	Alkalies as (Na2O)	IS 4032
13	CHEMICAL- BUILDING MATERIAL	Cement & GGBS	Alumina Oxide (as Al2O3)	IS 4032
14	CHEMICAL- BUILDING MATERIAL	Cement & GGBS	Calcium Oxide as (CaO)	IS 4032
15	CHEMICAL- BUILDING MATERIAL	Cement & GGBS	Chlorides (As Cl)	IS 4032
16	CHEMICAL- BUILDING MATERIAL	Cement & GGBS	Insoluble residue	IS 4032
17	CHEMICAL- BUILDING MATERIAL	Cement & GGBS	Iron Oxide (as Fe2O3)	IS 4032
18	CHEMICAL- BUILDING MATERIAL	Cement & GGBS	Loss on ignition, percent by mass	IS 4032

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19	CHEMICAL- BUILDING MATERIAL	Cement & GGBS	Magnesium oxide (MgO)	IS 4032
20	CHEMICAL- BUILDING MATERIAL	Cement & GGBS	Silicon Dioxide (As SiO2)	IS 4032
21	CHEMICAL- BUILDING MATERIAL	Cement & GGBS	Sulphur as SO3	IS 4032
22	CHEMICAL- BUILDING MATERIAL	Fine Aggregates	Organic Impurities	IS 2386 Part 2
23	CHEMICAL- BUILDING MATERIAL	Pozzalanic materials	Alumina Oxide (as Al2O3)	IS 1727
24	CHEMICAL- BUILDING MATERIAL	Pozzalanic materials	Calcium Oxide as (CaO)	IS 1727
25	CHEMICAL- BUILDING MATERIAL	Pozzalanic materials	Chlorides (As Cl)	IS 4032
26	CHEMICAL- BUILDING MATERIAL	Pozzalanic materials	Iron Oxide (as Fe2O3)	IS 1727
27	CHEMICAL- BUILDING MATERIAL	Pozzalanic materials	Loss on ignition , percent by mass	IS 1727
28	CHEMICAL- BUILDING MATERIAL	Pozzalanic materials	Magnesium oxide (MgO)	IS 1727
29	CHEMICAL- BUILDING MATERIAL	Pozzalanic materials	Sulphur Trioxide (as SO3)	IS 1727
30	CHEMICAL- CORROSION TESTS	Decorative Chromium Plating on steel or Zinc die-cast base	Acetic Acid -Salt Spray (Fog) Testing	ASTM G85 (Annex-1)
31	CHEMICAL- CORROSION TESTS	Electroplated and Anodized aluminium coatings.	Neutral Salt Spray (NSS)	IS 9844 (Ra 2021)
32	CHEMICAL- CORROSION TESTS	Metal and their alloys, Metallic Coatings, Conversion Coatings,Anodic Oxide coatings, Organic coatings on metallic materials	Neutral Salt Spray (NSS)	ASTM B 117
33	CHEMICAL- CORROSION TESTS	Metal and their alloys, Metallic Coatings, Conversion Coatings,Anodic Oxide coatings, Organic coatings on metallic materials, decorative coatings of Copper,Nickel & Chromium or Nickel and Chromium, Anodic Coatings on Aluminium	Corrosion Test in Artificial Atmospheres - salt spray tests (NSS)	ISO 9227
34	CHEMICAL- METALS & ALLOYS	Cast Iron & Pig Iron	Aluminum	IS 15338
35	CHEMICAL- METALS & ALLOYS	Cast Iron & Pig Iron	Carbon	ASTM E1999

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36	CHEMICAL- METALS & ALLOYS	Cast Iron & Pig Iron	Carbon	IS 15338
37	CHEMICAL- METALS & ALLOYS	Cast Iron & Pig Iron	Chromium	ASTM E1999
38	CHEMICAL- METALS & ALLOYS	Cast Iron & Pig Iron	Chromium	IS 15338
39	CHEMICAL- METALS & ALLOYS	Cast Iron & Pig Iron	Copper	ASTM E1999
40	CHEMICAL- METALS & ALLOYS	Cast Iron & Pig Iron	Copper	IS 15338
41	CHEMICAL- METALS & ALLOYS	Cast Iron & Pig Iron	Manganese	ASTM E1999
42	CHEMICAL- METALS & ALLOYS	Cast Iron & Pig Iron	Manganese	IS 15338
43	CHEMICAL- METALS & ALLOYS	Cast Iron & Pig Iron	Molybdenum	ASTM E1999
44	CHEMICAL- METALS & ALLOYS	Cast Iron & Pig Iron	Molybdenum	IS 15338
45	CHEMICAL- METALS & ALLOYS	Cast Iron & Pig Iron	Nickel	ASTM E1999
46	CHEMICAL- METALS & ALLOYS	Cast Iron & Pig Iron	Nickel	IS 15338
47	CHEMICAL- METALS & ALLOYS	Cast Iron & Pig Iron	Phosphorous	ASTM E1999
48	CHEMICAL- METALS & ALLOYS	Cast Iron & Pig Iron	Phosphorous	IS 15338
49	CHEMICAL- METALS & ALLOYS	Cast Iron & Pig Iron	Silicon	ASTM E1999
50	CHEMICAL- METALS & ALLOYS	Cast Iron & Pig Iron	Silicon	IS 15338
51	CHEMICAL- METALS & ALLOYS	Cast Iron & Pig Iron	Sulfur	ASTM E1999
52	CHEMICAL- METALS & ALLOYS	Cast Iron & Pig Iron	Sulfur	IS 15338
53	CHEMICAL- METALS & ALLOYS	Cast Iron & Pig Iron	Titanium	ASTM E1999
54	CHEMICAL- METALS & ALLOYS	Cast Iron & Pig Iron	Vanadium	ASTM E1999

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55	CHEMICAL- METALS & ALLOYS	Cast Iron & Pig Iron	Vanadium	IS 15338
56	CHEMICAL- METALS & ALLOYS	Iron and Steel (Pig Iron, Cast Iron, Steel, Carbon Steel, Low Alloy steel, High Alloy steel, Stainless Steel, etc.)	Antimony	JIS G1253
57	CHEMICAL- METALS & ALLOYS	Iron and Steel (Pig Iron, Cast Iron, Steel, Carbon Steel, Low Alloy steel, High Alloy steel, Stainless Steel, etc.)	Arsenic	JIS G1253
58	CHEMICAL- METALS & ALLOYS	Iron and Steel (Pig Iron, Cast Iron, Steel, Carbon Steel, Low Alloy steel, High Alloy steel, Stainless Steel, etc.)	Calcium	JIS G1253
59	CHEMICAL- METALS & ALLOYS	Iron and Steel (Pig Iron, Cast Iron, Steel, Carbon Steel, Low Alloy steel, High Alloy steel, Stainless Steel, etc.)	Lead	JIS G1253
60	CHEMICAL- METALS & ALLOYS	Iron and Steel (Pig Iron, Cast Iron, Steel, Carbon Steel, Low Alloy steel, High Alloy steel, Stainless Steel, etc.)	Niobium	JIS G1253
61	CHEMICAL- METALS & ALLOYS	Iron and Steel (Pig Iron, Cast Iron, Steel, Carbon Steel, Low Alloy steel, High Alloy steel, Stainless Steel, etc.)	Nitrogen	JIS G1253
62	CHEMICAL- METALS & ALLOYS	Iron and Steel (Pig Iron, Cast Iron, Steel, Carbon Steel, Low Alloy steel, High Alloy steel, Stainless Steel, etc.)	Tin	IS 8811
63	CHEMICAL- METALS & ALLOYS	Iron and Steel (Pig Iron, Cast Iron, Steel, Carbon Steel, Low Alloy steel, High Alloy steel, Stainless Steel, etc.)	Titanium	JIS G1253
64	CHEMICAL- METALS & ALLOYS	Iron and Steel (Pig Iron, Cast Iron, Steel, Carbon Steel, Low Alloy steel, High Alloy steel, Stainless Steel, etc.)	Tungsten	JIS G1253
65	CHEMICAL- METALS & ALLOYS	Iron and Steel (Pig Iron, Cast Iron, Steel, Carbon Steel, Low Alloy steel, High Alloy steel, Stainless Steel, etc.)	Zirconium	JIS G1253
66	CHEMICAL- METALS & ALLOYS	Low, Medium, High Carbon Steel & Low, Medium, High Alloy Steel	Arsenic	IS 8811
67	CHEMICAL- METALS & ALLOYS	Low, Medium, High Carbon Steel & Low, Medium, High Alloy Steel	Cobalt	ASTM E415
68	CHEMICAL- METALS & ALLOYS	Low, Medium, High Carbon Steel & Low, Medium, High Alloy Steel	Phosphorous	IS 8811
69	CHEMICAL- METALS & ALLOYS	Low, Medium, High Carbon Steel & Low, Medium, High Alloy Steel	Aluminum	IS 8811
70	CHEMICAL- METALS & ALLOYS	Low, Medium, High Carbon Steel & Low, Medium, High Alloy Steel	Antimony	ASTM E415
71	CHEMICAL- METALS & ALLOYS	Low, Medium, High Carbon Steel & Low, Medium, High Alloy Steel	Antimony	IS 8811
72	CHEMICAL- METALS & ALLOYS	Low, Medium, High Carbon Steel & Low, Medium, High Alloy Steel	Arsenic	ASTM E415
73	CHEMICAL- METALS & ALLOYS	Low, Medium, High Carbon Steel & Low, Medium, High Alloy Steel	Boron	ASTM E415

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74	CHEMICAL- METALS & ALLOYS	Low, Medium, High Carbon Steel & Low, Medium, High Alloy Steel	Boron	IS 8811
75	CHEMICAL- METALS & ALLOYS	Low, Medium, High Carbon Steel & Low, Medium, High Alloy Steel	Calcium	IS 8811
76	CHEMICAL- METALS & ALLOYS	Low, Medium, High Carbon Steel & Low, Medium, High Alloy Steel	Calsium	ASTM E415
77	CHEMICAL- METALS & ALLOYS	Low, Medium, High Carbon Steel & Low, Medium, High Alloy Steel	Carbon	IS 8811
78	CHEMICAL- METALS & ALLOYS	Low, Medium, High Carbon Steel & Low, Medium, High Alloy Steel	Carbon	ASTM E415
79	CHEMICAL- METALS & ALLOYS	Low, Medium, High Carbon Steel & Low, Medium, High Alloy Steel	Chromium	ASTM E415
80	CHEMICAL- METALS & ALLOYS	Low, Medium, High Carbon Steel & Low, Medium, High Alloy Steel	Chromium	IS 8811
81	CHEMICAL- METALS & ALLOYS	Low, Medium, High Carbon Steel & Low, Medium, High Alloy Steel	Cobalt	IS 8811
82	CHEMICAL- METALS & ALLOYS	Low, Medium, High Carbon Steel & Low, Medium, High Alloy Steel	Copper	ASTM E415
83	CHEMICAL- METALS & ALLOYS	Low, Medium, High Carbon Steel & Low, Medium, High Alloy Steel	Copper	IS 8811
84	CHEMICAL- METALS & ALLOYS	Low, Medium, High Carbon Steel & Low, Medium, High Alloy Steel	Lead	ASTM E415
85	CHEMICAL- METALS & ALLOYS	Low, Medium, High Carbon Steel & Low, Medium, High Alloy Steel	Manganese	ASTM E415
86	CHEMICAL- METALS & ALLOYS	Low, Medium, High Carbon Steel & Low, Medium, High Alloy Steel	Manganese	IS 8811
87	CHEMICAL- METALS & ALLOYS	Low, Medium, High Carbon Steel & Low, Medium, High Alloy Steel	Molybdenum	ASTM E415
88	CHEMICAL- METALS & ALLOYS	Low, Medium, High Carbon Steel & Low, Medium, High Alloy Steel	Molybdenum	IS 8811
89	CHEMICAL- METALS & ALLOYS	Low, Medium, High Carbon Steel & Low, Medium, High Alloy Steel	Nickel	ASTM E415
90	CHEMICAL- METALS & ALLOYS	Low, Medium, High Carbon Steel & Low, Medium, High Alloy Steel	Nickel	IS 8811
91	CHEMICAL- METALS & ALLOYS	Low, Medium, High Carbon Steel & Low, Medium, High Alloy Steel	Niobium	IS 8811
92	CHEMICAL- METALS & ALLOYS	Low, Medium, High Carbon Steel & Low, Medium, High Alloy Steel	Niobium	ASTM E415

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93	CHEMICAL- METALS & ALLOYS	Low, Medium, High Carbon Steel & Low, Medium, High Alloy Steel	Nitrogen	ASTM E415
94	CHEMICAL- METALS & ALLOYS	Low, Medium, High Carbon Steel & Low, Medium, High Alloy Steel	Phosphorous	ASTM E415
95	CHEMICAL- METALS & ALLOYS	Low, Medium, High Carbon Steel & Low, Medium, High Alloy Steel	Silicon	ASTM E415
96	CHEMICAL- METALS & ALLOYS	Low, Medium, High Carbon Steel & Low, Medium, High Alloy Steel	Silicon	IS 8811
97	CHEMICAL- METALS & ALLOYS	Low, Medium, High Carbon Steel & Low, Medium, High Alloy Steel	Sulfur	ASTM E415
98	CHEMICAL- METALS & ALLOYS	Low, Medium, High Carbon Steel & Low, Medium, High Alloy Steel	Sulfur	IS 8811
99	CHEMICAL- METALS & ALLOYS	Low, Medium, High Carbon Steel & Low, Medium, High Alloy Steel	Tin	IS 8811
100	CHEMICAL- METALS & ALLOYS	Low, Medium, High Carbon Steel & Low, Medium, High Alloy Steel	Tin	ASTM E415
101	CHEMICAL- METALS & ALLOYS	Low, Medium, High Carbon Steel & Low, Medium, High Alloy Steel	Titanium	IS 8811
102	CHEMICAL- METALS & ALLOYS	Low, Medium, High Carbon Steel & Low, Medium, High Alloy Steel	Titanium	ASTM E415
103	CHEMICAL- METALS & ALLOYS	Low, Medium, High Carbon Steel & Low, Medium, High Alloy Steel	Tungsten	IS 8811
104	CHEMICAL- METALS & ALLOYS	Low, Medium, High Carbon Steel & Low, Medium, High Alloy Steel	Tungsten	ASTM E415
105	CHEMICAL- METALS & ALLOYS	Low, Medium, High Carbon Steel & Low, Medium, High Alloy Steel	Vanadium	ASTM E415
106	CHEMICAL- METALS & ALLOYS	Low, Medium, High Carbon Steel & Low, Medium, High Alloy Steel	Vanadium	IS 8811
107	CHEMICAL- METALS & ALLOYS	Low, Medium, High Carbon Steel & Low, Medium, High Alloy Steel	Zirconium	IS 8811
108	CHEMICAL- METALS & ALLOYS	Low, Medium, High Carbon Steel & Low, Medium, High Alloy Steel	Zirconium	ASTM E415
109	CHEMICAL- METALS & ALLOYS	Low, Medium, High Carbon Steel & Low, Medium, High Alloy Steel	Aluminum	ASTM E415
110	CHEMICAL- METALS & ALLOYS	Stainless steel, Medium and High Alloy Steel and Duplex Steel	Molybdenum	ASTM E1086
111	CHEMICAL- METALS & ALLOYS	Stainless steel, Medium and High Alloy Steel and Duplex Steel	Carbon	ASTM E1086

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112	CHEMICAL- METALS & ALLOYS	Stainless steel, Medium and High Alloy Steel and Duplex Steel	Manganese	ASTM E1086
113	CHEMICAL- METALS & ALLOYS	Stainless steel, Medium and High Alloy Steel and Duplex Steel	Manganese	ASTM E1476
114	CHEMICAL- METALS & ALLOYS	Stainless steel, Medium and High Alloy Steel and Duplex Steel	Manganese	IS 9879
115	CHEMICAL- METALS & ALLOYS	Stainless steel, Medium and High Alloy Steel and Duplex Steel	Molybdenum	ASTM E1476
116	CHEMICAL- METALS & ALLOYS	Stainless steel, Medium and High Alloy Steel and Duplex Steel	Molybdenum	IS 9879
117	CHEMICAL- METALS & ALLOYS	Stainless steel, Medium and High Alloy Steel and Duplex Steel	Nickel	ASTM E1086
118	CHEMICAL- METALS & ALLOYS	Stainless steel, Medium and High Alloy Steel and Duplex Steel	Nickel	ASTM E1476
119	CHEMICAL- METALS & ALLOYS	Stainless steel, Medium and High Alloy Steel and Duplex Steel	Nickel	IS 9879
120	CHEMICAL- METALS & ALLOYS	Stainless steel, Medium and High Alloy Steel and Duplex Steel	Niobium	ASTM E1476
121	CHEMICAL- METALS & ALLOYS	Stainless steel, Medium and High Alloy Steel and Duplex Steel	Phosphorous	ASTM E1086
122	CHEMICAL- METALS & ALLOYS	Stainless steel, Medium and High Alloy Steel and Duplex Steel	Phosphorous	IS 9879
123	CHEMICAL- METALS & ALLOYS	Stainless steel, Medium and High Alloy Steel and Duplex Steel	Silicon	ASTM E1086
124	CHEMICAL- METALS & ALLOYS	Stainless steel, Medium and High Alloy Steel and Duplex Steel	Silicon	IS 9879
125	CHEMICAL- METALS & ALLOYS	Stainless steel, Medium and High Alloy Steel and Duplex Steel	Sulfur	ASTM E1086
126	CHEMICAL- METALS & ALLOYS	Stainless steel, Medium and High Alloy Steel and Duplex Steel	Sulfur	IS 9879
127	CHEMICAL- METALS & ALLOYS	Stainless steel, Medium and High Alloy Steel and Duplex Steel	Titanium	ASTM E1476
128	CHEMICAL- METALS & ALLOYS	Stainless steel, Medium and High Alloy Steel and Duplex Steel	Tungsten	ASTM E1476
129	CHEMICAL- METALS & ALLOYS	Stainless steel, Medium and High Alloy Steel, Tool Steel, Maraging Steel, High Manganese Steel and Duplex Steel	Carbon	IS 9879
130	CHEMICAL- METALS & ALLOYS	Stainless steel, Medium and High Alloy Steel, Tool Steel, Maraging Steel, High Manganese Steel and Duplex Steel	Chromium	ASTM E1086

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131	CHEMICAL- METALS & ALLOYS	Stainless steel, Medium and High Alloy Steel, Tool Steel, Maraging Steel, High Manganese Steel and Duplex Steel	Chromium	ASTM E1476
132	CHEMICAL- METALS & ALLOYS	Stainless steel, Medium and High Alloy Steel, Tool Steel, Maraging Steel, High Manganese Steel and Duplex Steel	Chromium	IS 9879
133	CHEMICAL- METALS & ALLOYS	Stainless steel, Medium and High Alloy Steel, Tool Steel, Maraging Steel, High Manganese Steel and Duplex Steel	Cobalt	ASTM E1476
134	CHEMICAL- METALS & ALLOYS	Stainless steel, Medium and High Alloy Steel, Tool Steel, Maraging Steel, High Manganese Steel and Duplex Steel	Copper	ASTM E1086
135	CHEMICAL- METALS & ALLOYS	Stainless steel, Medium and High Alloy Steel, Tool Steel, Maraging Steel, High Manganese Steel and Duplex Steel	Copper	ASTM E1476
136	CHEMICAL- METALS & ALLOYS	Stainless steel, Medium and High Alloy Steel, Tool Steel, Maraging Steel, High Manganese Steel and Duplex Steel	Copper	IS 9879
137	CHEMICAL- WATER	Water for construction purpose	Acidity	IS 3025 Part 22
138	CHEMICAL- WATER	Water for construction purpose	Alkalinity	IS 3025 Part 23
139	CHEMICAL- WATER	Water for construction purpose	Chloride Content	IS 3025 Part 32
140	CHEMICAL- WATER	Water for construction purpose	Inorganic Impurities (Fixed Solids)	IS 3025 PART 18
141	CHEMICAL- WATER	Water for construction purpose	Neutralization with 0.02 N H2SO4	IS 3025 Part 23
142	CHEMICAL- WATER	Water for construction purpose	Neutralization with 0.02 N NaOH	IS 3025 Part 22
143	CHEMICAL- WATER	Water for construction purpose	Organic Impurities (Volatile Solids)	IS 3025 PART 18
144	CHEMICAL- WATER	Water for construction purpose	pH	IS 3025 Part 11
145	CHEMICAL- WATER	Water for construction purpose	Sulphate Content	IS 3025 Part 24 Sec - 1
146	CHEMICAL- WATER	Water for construction purpose	Total dissolved Solids	IS 3025 Part 16
147	CHEMICAL- WATER	Water for construction purpose	Total Hardness	IS 3025 Part 17
148	CHEMICAL- WATER	Water for construction purpose	Total Suspended Solids Matter	IS 3025 Part 21
149	MECHANICAL- BUILDINGS MATERIALS	AAC, CLC, CC Hollow and solid concrete blocks Block	Compressive Strength	IS 6441 Part 5, IS 2185 Part 1, 2, 3
150	MECHANICAL- BUILDINGS MATERIALS	AAC, CLC, CC Hollow and solid concrete blocks Block	Density	IS 6441 Part 1, IS 2185 Part 1, 2, 3
151	MECHANICAL- BUILDINGS MATERIALS	AAC, CLC, CC Hollow and solid concrete blocks Block	Dimensions - Height	IS 2185 Part 1, 2, 3
152	MECHANICAL- BUILDINGS MATERIALS	AAC, CLC, CC Hollow and solid concrete blocks Block	Dimensions - Length	IS 2185 Part 1, 2, 3

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153	MECHANICAL- BUILDINGS MATERIALS	AAC, CLC, CC Hollow and solid concrete blocks Block	Dimensions - Width	IS 2185 Part 1, 2, 3
154	MECHANICAL- BUILDINGS MATERIALS	AAC, CLC, CC Hollow and solid concrete blocks Block	Drying Shrinkage	IS 6441 (Part 2), IS 2185 Part 1, 2, 3
155	MECHANICAL- BUILDINGS MATERIALS	AAC, CLC, CC Hollow and solid concrete blocks Block	Moisture Content	IS 6441 (Part 1), IS 2185 Part 1, 2, 3
156	MECHANICAL- BUILDINGS MATERIALS	Adhesives	Tensile adhesion strengths	BS EN 12004-2, IS 15477
157	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Coarse Aggregates, Graded aggregates, Key aggregate, Stone, Ballast, Rock)	Flakiness index	IS 2386 Part 1
158	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Coarse Aggregates, Graded aggregates, Key aggregate, Stone, Ballast, Rock)	Impact value	IS 2386 Part 4
159	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Coarse Aggregates, Graded aggregates, Key aggregate, Stone, Ballast, Rock)	Los angles abrasion value (LAA)	IS 2386 Part 4
160	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Coarse Aggregates, Graded aggregates, Key aggregate, Stone, Ballast, Rock)	Sieve Analysis / Particle Shape & Size / Shape ratio / Material Finer / Gradation / Grain Size Analysis	IS 2386 Part 1
161	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Coarse Aggregates, Graded aggregates, Key aggregate, Stone, Ballast, Rock)	Specific gravity	IS 2386 Part 3
162	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Coarse Aggregates, Graded aggregates, Key aggregate, Stone, Ballast, Rock)	Water absorption	IS 2386 Part 3
163	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Coarse Aggregates, Graded aggregates, Key aggregate, Stone, Ballast, Rock, Fine Aggregates , Stone dust, Sand, Crusher dust, Binding, Screening material)	Petrographic Examination	IS 2386 Part 8
164	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Coarse Aggregates, Graded aggregates, Key aggregate, Stone, Ballast, Rock, Fine Aggregates , Stone dust, Sand, Crusher dust, Binding, Screening material)	Soundness by MgSO4 and Na2SO4	IS 2386 Part 5
165	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Coarse, Graded aggregates, Key aggregate, Stone, Ballast, Rock)	10% Fines Value	IS 2386, Part 4
166	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Coarse, Graded aggregates, Key aggregate, Stone, Ballast, Rock)	Bulk Density	IS 2386 Part 3
167	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Coarse, Graded aggregates, Key aggregate, Stone, Ballast, Rock)	Crushing value	IS 2386 Part 4
168	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Coarse, Graded aggregates, Key aggregate, Stone, Ballast, Rock)	Elongation index	IS 2386 Part 1
169	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Coarse, Graded aggregates, Key aggregate, Stone, Ballast, Rock)	Striping value	IS 6241

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170	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Fine Aggregates , Stone dust, Sand, Crusher dust, Binding, Screening material)	Bulk density & voids	IS 2386 Part 3
171	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Fine Aggregates , Stone dust, Sand, Crusher dust, Binding, Screening material)	Gradation (Sieve analysis 0.015 to 10 mm sieve size)	IS 2386 Part 1
172	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Fine Aggregates , Stone dust, Sand, Crusher dust, Binding, Screening material)	Material finer than 75 micron	IS 2386 Part 1
173	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Fine Aggregates , Stone dust, Sand, Crusher dust, Binding, Screening material)	Specific gravity	IS 2386 Part 3
174	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Fine Aggregates , Stone dust, Sand, Crusher dust, Binding, Screening material)	Water absorption	IS 2386 Part 3
175	MECHANICAL- BUILDINGS MATERIALS	Anchor Bars and Rock Bolts / Rebar Grouting	Pull Out Test	IS 11309
176	MECHANICAL- BUILDINGS MATERIALS	Anti Stripping Agent	Boiling Water Test	IS 14982
177	MECHANICAL- BUILDINGS MATERIALS	APP Membrane, Polyethylene Films and Sheets for Concreting Works	Ageing Test	IS 7016 Part 8
178	MECHANICAL- BUILDINGS MATERIALS	APP Membrane, Polyethylene Films and Sheets for Concreting Works	Dart Impact Strength	IS 13360 Part 5 Sec 6
179	MECHANICAL- BUILDINGS MATERIALS	APP Membrane, Polyethylene Films and Sheets for Concreting Works	Dart Impact Strength	IS 13360 Part 5 Sec 6
180	MECHANICAL- BUILDINGS MATERIALS	APP Membrane, Polyethylene Films and Sheets for Concreting Works	Thickness	IS 2508
181	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix (PMB, CRMB, etc)	Binder content	ASTM D2172
182	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix (PMB, CRMB, etc)	Density of Mix	ASTM D2726
183	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix (PMB, CRMB, etc)	Flow	ASTM D6927
184	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix (PMB, CRMB, etc)	Stability	ASTM D6927
185	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimension - Length, Width, Height	IS 1077
186	MECHANICAL- BUILDINGS MATERIALS	Burnt clay bricks and Fly ash bricks	Compressive strength	IS 3495 Part 1
187	MECHANICAL- BUILDINGS MATERIALS	Burnt clay bricks and Fly ash bricks	Efflorescence	IS 3495 Part 3
188	MECHANICAL- BUILDINGS MATERIALS	Burnt clay bricks and Fly ash bricks	Warpage	IS 3495 Part 4

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189	MECHANICAL- BUILDINGS MATERIALS	Burnt clay bricks and Fly ash bricks	Water absorption	IS 3495 Part 2
190	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, PSC, RHC, LHC, HAC, WC, SRPC, Integral Water Proofing Compound)	Compressive strength	IS 4031 Part 6
191	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, PSC, RHC, LHC, HAC, WC, SRPC, Integral Water Proofing Compound)	Consistency	IS 4031 Part 4
192	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, PSC, RHC, LHC, HAC, WC, SRPC, Integral Water Proofing Compound)	Density	IS 4031 Part 11
193	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, PSC, RHC, LHC, HAC, WC, SRPC, Integral Water Proofing Compound)	Determination of fineness by dry sieving	IS 4031 PART 1
194	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, PSC, RHC, LHC, HAC, WC, SRPC, Integral Water Proofing Compound)	Final setting time	IS 4031 Part 5
195	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, PSC, RHC, LHC, HAC, WC, SRPC, Integral Water Proofing Compound)	Initial setting time	IS 4031 Part 5
196	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, PSC, RHC, LHC, HAC, WC, SRPC, Integral Water Proofing Compound)	Soundness by Le chatelier methods	IS 4031 Part 3
197	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, PSC, RHC, LHC, HAC, WC, SRPC, Integral Water Proofing Compound, GGBS)	Fineness by blaine air permeability	IS 4031 Part 2
198	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tiles	Dimensions & Surface quality, Flatness, Perpendicularity, Straightness	IS 13801
199	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tiles	Resistance to Wear	IS 13801
200	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tiles	Water absorption	IS 13801
201	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Tiles	Wet Transverse Strength	IS 13801
202	MECHANICAL- BUILDINGS MATERIALS	Concrete	RCPT (Rapid Chloride Penetration Test)	ASTM C1202
203	MECHANICAL- BUILDINGS MATERIALS	Concrete	Split Tensile Test	IS 516 Part 1, Sec 1
204	MECHANICAL- BUILDINGS MATERIALS	Curing compound	Ford Cup Viscosity	BS 7542
205	MECHANICAL- BUILDINGS MATERIALS	Curing compound	Ford Cup Viscosity	BS 7542
206	MECHANICAL- BUILDINGS MATERIALS	Curing compound	Loss of Water	BS 7542

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207	MECHANICAL- BUILDINGS MATERIALS	Curing compound	Loss of Water	BS 7542
208	MECHANICAL- BUILDINGS MATERIALS	Curing compound	Specific Gravity	BS 7542
209	MECHANICAL- BUILDINGS MATERIALS	Curing compound	Specific Gravity	BS 7542
210	MECHANICAL- BUILDINGS MATERIALS	Door Shutters	Buckling	IS 4020 Part 9
211	MECHANICAL- BUILDINGS MATERIALS	Door Shutters	Edge loading	IS 4020 Part 7
212	MECHANICAL- BUILDINGS MATERIALS	Door Shutters	End immersion test	IS 4020 Part 13
213	MECHANICAL- BUILDINGS MATERIALS	Door Shutters	Flexure Test	IS 4020 Part 6
214	MECHANICAL- BUILDINGS MATERIALS	Door Shutters	General Flatness	IS 4020 P3
215	MECHANICAL- BUILDINGS MATERIALS	Door Shutters	Glue adhesion test	IS 4020 Part 15
216	MECHANICAL- BUILDINGS MATERIALS	Door Shutters	Impact Indentation	IS 4020 Part 5
217	MECHANICAL- BUILDINGS MATERIALS	Door Shutters	Knife test	IS 4020 Part 14
218	MECHANICAL- BUILDINGS MATERIALS	Door Shutters	Local Planeness	IS 4020 P4
219	MECHANICAL- BUILDINGS MATERIALS	Door Shutters	Misuse test	IS 4020 Part 11
220	MECHANICAL- BUILDINGS MATERIALS	Door Shutters	Screw withdrawal strength	IS 4020 Part 16
221	MECHANICAL- BUILDINGS MATERIALS	Door Shutters	Shock Resistance	IS 4020 Part 8
222	MECHANICAL- BUILDINGS MATERIALS	Door Shutters	Slamming test	IS 4020 Part 10
223	MECHANICAL- BUILDINGS MATERIALS	Door Shutters	Varying Humidity	IS 4020 Part 12
224	MECHANICAL- BUILDINGS MATERIALS	Doors & windows, Shuttering, Frames & Formworks	Moisture	IS 2202 Part 1
225	MECHANICAL- BUILDINGS MATERIALS	Fly ash bricks	Dimension - Length, Width, Height	IS 13757

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226	MECHANICAL- BUILDINGS MATERIALS	Foundry Sand	Bulk Density	IS 1918
227	MECHANICAL- BUILDINGS MATERIALS	Foundry Sand	Clay Content	IS 1918
228	MECHANICAL- BUILDINGS MATERIALS	Foundry Sand	Grain Fineness	IS 1918
229	MECHANICAL- BUILDINGS MATERIALS	Foundry Sand	Moisture Content	IS 1918
230	MECHANICAL- BUILDINGS MATERIALS	Fresh / Hardened Concrete	Water Penetration / Permeability of Concrete	IS 516 Part 2, Sec 1, Morth Speciation / DIN 1048 Part 5
231	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Setting Time	IS 1199 Part 7
232	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete / Admixture	Air Content	IS 9103
233	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete / Admixture	Bleeding	IS 9103
234	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete / Admixture	Flow	IS 9103, IS 1199 Part 2
235	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete, Admixture, Concrete Mix	Slump test	IS 1199 (Part 2), IS 10262
236	MECHANICAL- BUILDINGS MATERIALS	Glass beed	Gradation	Morth Sec 803.4.2.3
237	MECHANICAL- BUILDINGS MATERIALS	Ground Granulated Blast Furnace Slag	Glass Content	IS 16714
238	MECHANICAL- BUILDINGS MATERIALS	Ground Granulated Blast Furnace Slag	Glass Content	IS 16714
239	MECHANICAL- BUILDINGS MATERIALS	Ground Granulated Blast Furnace Slag	Moisture Content	IS 16714
240	MECHANICAL- BUILDINGS MATERIALS	Gypsum Building Plaster Board	Dry Set Density	IS 2542 Pt 1/ Sec 5)
241	MECHANICAL- BUILDINGS MATERIALS	Gypsum Building Plaster Board	Free Moisture / Moisture	IS 2542 (Pt 2/ Sec 7)
242	MECHANICAL- BUILDINGS MATERIALS	Gypsum Building Plaster Board	Mass of Plaster	IS 2542 (Pt 2/ SEc 3)
243	MECHANICAL- BUILDINGS MATERIALS	Gypsum Building Plaster Board	Water Absorption	IS 2542 (Pt 2/ Sec 6)
244	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Moisture Movement	IS 516 Part 6

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245	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete, Fresh Concrete, Admixture, Concrete Mix (Beam)	Flexural Strength	IS 516 (Part 1/Sec 1), IS 10262
246	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete, Fresh Concrete, Admixture, Concrete Mix (Cube, Cylinder, Core, Beam)	Compressive Strength (Normal / Accelerated Cured)	IS 516 (Part 1/Sec 1), IS 10262
247	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Moisture Movement	IS 2185 Part 1
248	MECHANICAL- BUILDINGS MATERIALS	Manhole Cover	Dimension Test	IS 1726, IS 12592
249	MECHANICAL- BUILDINGS MATERIALS	Manhole Cover	Load Bearing Test	IS 1726, IS 12592, BS EN 124-1
250	MECHANICAL- BUILDINGS MATERIALS	Paver Block, Interlocking Block, Precast Concrete Blocks	Abrasion Resistance	IS 15658
251	MECHANICAL- BUILDINGS MATERIALS	Paver Block, Interlocking Block, Precast Concrete Blocks	Compressive strength	IS 15658
252	MECHANICAL- BUILDINGS MATERIALS	Paver Block, Interlocking Block, Precast Concrete Blocks	Flexural strength	IS 15658
253	MECHANICAL- BUILDINGS MATERIALS	Paver Block, Interlocking Block, Precast Concrete Blocks	Tensile splitting strength	IS 15658
254	MECHANICAL- BUILDINGS MATERIALS	Paver Block, Interlocking Block, Precast Concrete Blocks	Water Absorption	IS 15658
255	MECHANICAL- BUILDINGS MATERIALS	Pipes for Plumbing & drainage fittings	Color	IS 13592
256	MECHANICAL- BUILDINGS MATERIALS	Pipes for Plumbing & drainage fittings	Density	IS 12235 Part 14
257	MECHANICAL- BUILDINGS MATERIALS	Pipes for Plumbing & drainage fittings	Dimension	IS 12235 Part 1
258	MECHANICAL- BUILDINGS MATERIALS	Pipes for Plumbing & drainage fittings	Hydrostatic Pressure	IS 12235 Part 8, Sec 1, IS 13592
259	MECHANICAL- BUILDINGS MATERIALS	Pipes for Plumbing & drainage fittings	Resistance to external blows	IS 4985
260	MECHANICAL- BUILDINGS MATERIALS	Pipes for Plumbing & drainage fittings	Shore Hardness, A & D	IS 13360 Part 5, Sec 11
261	MECHANICAL- BUILDINGS MATERIALS	Pipes for Plumbing & drainage fittings	Tensile Strength & Elongation	IS 13360 Part 5 Sec1, IS 12235 Part 13
262	MECHANICAL- BUILDINGS MATERIALS	Plaster of Paris	Compressive Strength (Dry)	IS 2542 (Pt 1/Sec 5 ,IS 2547 (Pt 2)
263	MECHANICAL- BUILDINGS MATERIALS	Plywood for General Purpose	Acid & Alkalinity Resistance Test	IS 1734 Part 20

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264	MECHANICAL- BUILDINGS MATERIALS	Plywood for General Purpose	Adhesion of plies	IS 1734 Part 5
265	MECHANICAL- BUILDINGS MATERIALS	Plywood for General Purpose	Density, Moisture content	IS 1734 Part 1
266	MECHANICAL- BUILDINGS MATERIALS	Plywood for General Purpose	Dimension	IS 4020 Part 2
267	MECHANICAL- BUILDINGS MATERIALS	Plywood for General Purpose	Glue shear strength	IS 1734 Part 4
268	MECHANICAL- BUILDINGS MATERIALS	Plywood for General Purpose	Resistance to Dry Heat	IS 1734 Part 2
269	MECHANICAL- BUILDINGS MATERIALS	Plywood for General Purpose	Static bending Strength Modulus of Rupture	IS 1734 Part 11
270	MECHANICAL- BUILDINGS MATERIALS	Plywood for General Purpose	Tensile strength Along the grain	IS 1734 Part 9
271	MECHANICAL- BUILDINGS MATERIALS	Plywood for General Purpose	Water resistance (Glue shear strength)	IS 1734 Part 6
272	MECHANICAL- BUILDINGS MATERIALS	Pozzolana (Fly ash, GGBS, Fuel Ash , Bottom Ash, Micro silica)	Density	IS 1727
273	MECHANICAL- BUILDINGS MATERIALS	Pozzolanic Materials (Fly ash, Fuel Ash , Bottom Ash, Micro silica)	Compressive strength	IS 1727
274	MECHANICAL- BUILDINGS MATERIALS	Pozzolanic Materials (Fly ash, Fuel Ash , Bottom Ash, Micro silica)	Fineness Specific surface (Blains)	IS 1727
275	MECHANICAL- BUILDINGS MATERIALS	Pozzolanic Materials (Fly ash, Fuel Ash , Bottom Ash, Micro silica)	Setting time	IS 1727
276	MECHANICAL- BUILDINGS MATERIALS	Pozzolanic Materials (Fly ash, Fuel Ash , Bottom Ash, Micro silica)	Sieve Analysis (45 microns retained)	IS 1727
277	MECHANICAL- BUILDINGS MATERIALS	Pozzolanic Materials (Fly ash, Fuel Ash , Bottom Ash, Micro silica)	Soundness by Le-Chatlier	IS 1727
278	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Kerbs (Kerb Stone), Channels, Edging, Quadrants and Other Associated Fittings	Bending Strength	IS 5758
279	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Kerbs (Kerb Stone), Channels, Edging, Quadrants and Other Associated Fittings	Dimension, Surface layer thickness	IS 5758
280	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Kerbs (Kerb Stone), Channels, Edging, Quadrants and Other Associated Fittings	Water Absorption	IS 5758
281	MECHANICAL- BUILDINGS MATERIALS	Preformed Fillers for expansion Joints	Compression	IS 10566
282	MECHANICAL- BUILDINGS MATERIALS	Preformed Fillers for expansion Joints	Density	IS 10566

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283	MECHANICAL- BUILDINGS MATERIALS	Preformed Fillers for expansion Joints	Resistance to Handling	IS 1838
284	MECHANICAL- BUILDINGS MATERIALS	Preformed Fillers for expansion Joints	Water Absorption	IS 10566
285	MECHANICAL- BUILDINGS MATERIALS	Reinforcing Bars	Tensile Strength (UTS)	ASTM D7205
286	MECHANICAL- BUILDINGS MATERIALS	Reinforcing Bars	Tensile Strength (UTS)	ASTM D7957
287	MECHANICAL- BUILDINGS MATERIALS	Reinforcing Bars	Yield Stress, 0.2 - 1.0% Proof Stress	ASTM A1034
288	MECHANICAL- BUILDINGS MATERIALS	Reinforcing Bars	Elongation %	ASTM A1034
289	MECHANICAL- BUILDINGS MATERIALS	Reinforcing Bars	Elongation %	ASTM D7957
290	MECHANICAL- BUILDINGS MATERIALS	Reinforcing Bars	Proof Stress	ASTM D7957
291	MECHANICAL- BUILDINGS MATERIALS	Reinforcing Bars	Yield Stress, 0.2 to 1.0% Proof Stress	ASTM D7205
292	MECHANICAL- BUILDINGS MATERIALS	Sealant	Ductility	IS 1208
293	MECHANICAL- BUILDINGS MATERIALS	Sealant	Viscosity	IS 1206 Part 2
294	MECHANICAL- BUILDINGS MATERIALS	Sealants	Adhesion and Tensile Modulus	IS 12118 Part 2
295	MECHANICAL- BUILDINGS MATERIALS	Sealants	Adhesion and Tensile Modulus	IS 12118 Part 2
296	MECHANICAL- BUILDINGS MATERIALS	Sealants	Consistency	IS 13055
297	MECHANICAL- BUILDINGS MATERIALS	Sealants	Loss of Mass after Heat Aging	IS 12118 Part 2
298	MECHANICAL- BUILDINGS MATERIALS	Sealants	Mass loss after Heat Ageing	IS 11433 Part 2
299	MECHANICAL- BUILDINGS MATERIALS	Sealants	Mass loss after Heat Ageing	IS 11433 Part 2
300	MECHANICAL- BUILDINGS MATERIALS	Sealants	Penetration	IS 1203
301	MECHANICAL- BUILDINGS MATERIALS	Sealants	Penetration	IS 1203

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302	MECHANICAL- BUILDINGS MATERIALS	Sealants	Softening point,	IS 1205
303	MECHANICAL- BUILDINGS MATERIALS	Sheathing Ducts	Tension Load	IS 1343
304	MECHANICAL- BUILDINGS MATERIALS	Sheathing Ducts	Transverse Load Rating	IS 1343
305	MECHANICAL- BUILDINGS MATERIALS	Sheathing Ducts	Water Loss	IS 1343
306	MECHANICAL- BUILDINGS MATERIALS	Sheathing Ducts	Workability Test	IS 1343
307	MECHANICAL- BUILDINGS MATERIALS	Small clear specimens of Timber	Density	IS 1708 Part 1, IS 11215
308	MECHANICAL- BUILDINGS MATERIALS	Stoneware Pipe, Precast Concrete Hume Pipes	Absorption test (Water Absorption)	IS 651
309	MECHANICAL- BUILDINGS MATERIALS	Stoneware Pipe, Precast Concrete Hume Pipes	Resistance to Acids / Alkalis	IS 651
310	MECHANICAL- BUILDINGS MATERIALS	Stoneware Pipe, Precast Concrete Hume Pipes	Three Edge Bearing Method / Crushing Strength	IS 651
311	MECHANICAL- BUILDINGS MATERIALS	Structural bearings	Shore Hardness	BS EN 1337-3
312	MECHANICAL- BUILDINGS MATERIALS	Tar , bituminous materials and Anti Stripping Agent	Flash Point and Fire Point	IS 1209
313	MECHANICAL- BUILDINGS MATERIALS	Tar , bituminous materials and Anti Stripping Agent	Solubility in Diesel	Morth Appendix 4
314	MECHANICAL- BUILDINGS MATERIALS	Tar , bituminous materials and Anti Stripping Agent	Specific gravity	IS 1202
315	MECHANICAL- BUILDINGS MATERIALS	Tar , bituminous materials and Anti Stripping Agent	Water Content	IS 1211
316	MECHANICAL- BUILDINGS MATERIALS	Tar and bituminous materials	Ductility	IS 1208
317	MECHANICAL- BUILDINGS MATERIALS	Tar and bituminous materials	Kinematics Viscosity	IS 1206 Part 3
318	MECHANICAL- BUILDINGS MATERIALS	Tar and bituminous materials	Loss on heating	IS 1212
319	MECHANICAL- BUILDINGS MATERIALS	Tar and bituminous materials	Penetration	IS 1203
320	MECHANICAL- BUILDINGS MATERIALS	Tar and bituminous materials	Softening point	IS 1205

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321	MECHANICAL- BUILDINGS MATERIALS	Tar and bituminous materials	Absolute Viscosity	IS 1206 Part 2
322	MECHANICAL- BUILDINGS MATERIALS	Tiles (Ceramic Vitrified Glazed / Un Glazed, Flooring, Wall)	Breaking Strength, Modulus of Rupture	IS 13630 Part 6
323	MECHANICAL- BUILDINGS MATERIALS	Tiles (Ceramic Vitrified Glazed / Un Glazed, Flooring, Wall)	Dimensions & Surface quality, Flatness, Perpendicularity, Straightness	IS 13630 Part 1
324	MECHANICAL- BUILDINGS MATERIALS	Tiles (Ceramic Vitrified Glazed / Un Glazed, Flooring, Wall)	Resistance to Chemicals - acids and alkalis, house hold chemicals & swimming pool salts	IS 4457, IS 13630 Part 8
325	MECHANICAL- BUILDINGS MATERIALS	Tiles (Ceramic Vitrified Glazed / Un Glazed, Flooring, Wall)	Scratch hardness(Moh’s Hardness)	IS 13630 Part 13
326	MECHANICAL- BUILDINGS MATERIALS	Tiles (Ceramic Vitrified Glazed / Un Glazed, Flooring, Wall)	Water absorption	IS 13630 Part 2
327	MECHANICAL- BUILDINGS MATERIALS	Timber Used For Different Purposes	Moisture	IS 287
328	MECHANICAL- BUILDINGS MATERIALS	Water Stop used in Masonry and Concrete dams	Accelerated Extraction Test	IS 15058
329	MECHANICAL- BUILDINGS MATERIALS	Water Stop used in Masonry and Concrete dams	Determination of tensile properties	IS 13360 Part 5 Sec 3
330	MECHANICAL- BUILDINGS MATERIALS	Water Stop used in Masonry and Concrete dams	Determination of tensile properties	IS 13360 Part 5 Sec 3
331	MECHANICAL- BUILDINGS MATERIALS	Water Stop used in Masonry and Concrete dams	Hardness of Plastics by Means of Durometer (Shore Hardness)	IS 13360 Part 5 Sec 11
332	MECHANICAL- BUILDINGS MATERIALS	Water Stop used in Masonry and Concrete dams	Stability in effect of alkalies Test	IS 15058
333	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Externally and Internally Threaded Fasteners, Washers, Direct Tension Indicators, and Rivets	Wedge / Full Tensile Test	BS EN ISO 3506-1
334	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Externally and Internally Threaded Fasteners, Washers, Direct Tension Indicators, and Rivets, Bolts, screws and studs	Proof Load Test	ASTM A370, ASME SA370
335	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Externally, Internally Threaded Fasteners, Bolts, screws and studs	Tensile Test, Wedge Tensile Test, Full Size Tensile, Machined test Piece	ASTM A370, ASME SA370
336	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Bar, Plate, Tube, Wire, Cast Specimen & Products	% Elongation	BS EN ISO 15614 Part 1

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337	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bar, Plate, Tube, Wire, Cast Specimen & Products	% Elongation	ISO 4136
338	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bar, Plate, Tube, Wire, Cast Specimen & Products	Yield Stress, 0.2 to 1.0% Proof Stress	ASME Sec IX
339	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bar, Plate, Tube, Wire, Cast Specimen & Products	1% Proof Stress	BS EN ISO 15614 Part 1
340	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Bar, Plate, Tube, Wire, Cast Specimen & Products	1% Proof Stress	ISO 4136
341	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Barbed Wire / Fencing Wire	Wrapping Test	IS 1755
342	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Barbed Wire / Fencing Wire	Diameter, Mass of Wire	IS 278
343	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Barbed Wire / Fencing Wire	Mass of Zinc Coating	IS 4826
344	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cast Iron - Pig Iron, Gray Cast-Iron, White Cast Iron, Malleable Cast Iron, and Ductile (Nodular) Iron, High Carbon High Chrome / Ni Steel, Pipe & Products of Fe & Fe-Alloy Cast iron	Transverse Test	IS 210
345	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Coated / Painted / Plated Products	Impact resistance Falling weight test	IS 101 Part 5 Sec3
346	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Coated / Painted / Plated Products	Bend Test	ISO 6860
347	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Coated / Painted / Plated Products	Colour	IS 101 P4 Sec 2
348	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Coated / Painted / Plated Products	Determination of the effect of heat	IS 101 Part 7 Sec 3
349	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Coated / Painted / Plated Products	Flexibility Test	IS 101 Part 5 Sec 2

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350	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Coated / Painted / Plated Products	Neutral Salt Spray Test	IS 101 Part 6 Sec 1
351	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Coated / Painted / Plated Products	Resistance to liquids	IS 101 Part 7 Sec 2
352	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Coated / Painted / Plated Products	Resistance to Water	IS 101 P7 Sec1
353	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Coated / Painted / Plated Products	Scratch Hardness	IS 101 P5 Sec2
354	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Coated Products	Adhesion Test (Cross Cut / Tape Test)	ISO 2409
355	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Coated, Painted, Plated Articles	Mass of Zinc Coating	IS 6745
356	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Coated, Painted, Plated Articles	Mass of Zinc Coating	ISO 1460
357	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Deformed steel bars and wires (TMT Rebar)	% Elongation	IS 1786, IS 1608 Part 1
358	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Deformed steel bars and wires (TMT Rebar)	% Reduction of Area	IS 1786, IS 1608 Part 1
359	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Deformed steel bars and wires (TMT Rebar)	Ultimate Tensile Strength (UTS)	IS 1786, IS 1608 Part 1
360	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Deformed steel bars and wires (TMT Rebar)	Yield Stress, 0.2 - 1.0% Proof Stress	IS 1786, IS 1608 Part 1
361	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Externally and Internally Threaded Fasteners, Washers, Direct Tension Indicators, and Rivets	Proof Load Test	BS EN ISO 3506-1
362	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Externally and Internally Threaded Fasteners, Washers, Direct Tension Indicators, and Rivets, Bolts, screws and studs	Proof Load Test	ASTM F606
363	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Externally, Internally Threaded Fasteners, Bolts, screws and studs	Tensile Test, Wedge Tensile	ASTM A320

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364	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Externally, Internally Threaded Fasteners, Bolts, screws and studs	% Elongation	IS 1367 (Part 3)
365	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Externally, Internally Threaded Fasteners, Bolts, screws and studs	% Elongation	ISO 898 (Part 1)
366	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Externally, Internally Threaded Fasteners, Bolts, screws and studs	% Reduction of Area	IS 1367 (Part 3)
367	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Externally, Internally Threaded Fasteners, Bolts, screws and studs	% Reduction of Area	ISO 898 (Part 1)
368	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Externally, Internally Threaded Fasteners, Bolts, screws and studs	0.2% Proof Stress	IS 1367 (Part 3)
369	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Externally, Internally Threaded Fasteners, Bolts, screws and studs	0.2% Proof Stress	ISO 898 (Part 1)
370	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Externally, Internally Threaded Fasteners, Bolts, screws and studs	Full Size Tensile Test	ISO 898 (Part 1)
371	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Externally, Internally Threaded Fasteners, Bolts, screws and studs	Full Size Tensile Test, Wedge Tensile, Tensile Strength	IS 1367 Part 3
372	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Externally, Internally Threaded Fasteners, Bolts, screws and studs	Proof Load Test	IS 1367 Part 3, BS EN 3692
373	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Externally, Internally Threaded Fasteners, Bolts, screws and studs	Tensile Test, Wedge Tensile	ASTM A193
374	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Externally, Internally Threaded Fasteners, Bolts, screws and studs	Tensile Test, Wedge Tensile	ASTM F606
375	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Externally, Internally Threaded Fasteners, Bolts, screws and studs	Ultimate Tensile Strength (UTS)	IS 1367 (Part 3)
376	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Externally, Internally Threaded Fasteners, Bolts, screws and studs	Ultimate Tensile Strength (UTS)	ISO 898 (Part 1)
377	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Externally, Internally Threaded Fasteners, Bolts, screws and studs	Yield Stress, 0.2 to 1.0% Proof Stress	IS 1367 Part 3

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378	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Externally, Internally Threaded Fasteners, Bolts, screws and studs	Yield Stress, 0.2 to 1.0% Proof Stress	ISO 898 Part 1
379	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners, Nuts	Proof Load	BS EN ISO 3506-2
380	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Products	Weight per meter	IS 1239 Part 1
381	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Products	Weight per meter	IS 3589
382	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Products	Weight per meter	IS 4923
383	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Products	Weight per meter	IS 808
384	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fusion Bonded Epoxy Coated Reinforcing Bars, Deformed steel bars (TMT Rebar)	Bend / Re bend Test	IS 1786, IS 13620
385	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Inorganic & Organic Anodized, Coated, Painted, Plating, Products, Panels, Galvanized/Zinc Products, Copper/Nickel/Chromium, Nickel/Chromium coatings on steel, zinc alloys, aluminum alloys and plastics, Metallic products and Raw Materials	Evaluating Degree of Rusting on Painted Steel Surfaces	ASTM D610
386	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Inorganic & Organic Anodized, Coated, Painted, Plating, Products, Panels, Galvanized/Zinc Products, Copper/Nickel/Chromium, Nickel/Chromium coatings on steel, zinc alloys, aluminum alloys and plastics, Metallic products and Raw Materials	Evaluation of Painted or Coated Specimens Subjected to Corrosive Environments	ASTM D1654
387	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Inorganic & Organic Anodized, Coated, Painted, Plating, Products, Panels, Galvanized/Zinc Products, Copper/Nickel/Chromium, Nickel/Chromium coatings on steel, zinc alloys, aluminum alloys and plastics, Metallic products and Raw Materials	Water Resistance of Coatings	ASTM D870, ASTM D1735, ASTM D2616, ASTM D2247, ASTM D4585
388	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mechanical Splices for Steel Reinforcing Bars, TMT Coupler	Slip Test	IS 16172
389	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mechanical Splices for Steel Reinforcing Bars, TMT Coupler	Slip Test	ISO 15835-2

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390	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mechanical Splices for Steel Reinforcing Bars, TMT Coupler	% Elongation at maximum force	ISO 15835-2
391	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mechanical Splices for Steel Reinforcing Bars, TMT Coupler	Tensile Strength (UTS / Pull Out)	ISO 15835-2
392	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal & alloys -Aluminum Section, Steel & Structural Steel Articles, Paints, Varnishes, , Enamels, Epoxy, Coating, Plating and Related Products	Gloss @ 60 Degree	IS 101 Part 4 Sec. 4
393	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal & alloys -Aluminum Section, Steel & Structural Steel Articles, Paints, Varnishes, , Enamels, Epoxy, Coating, Plating and Related Products	Coating Thickness by Elcometer	ASTM B499
394	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal & alloys -Aluminum Section, Steel & Structural Steel Articles, Paints, Varnishes, , Enamels, Epoxy, Coating, Plating and Related Products	Coating Thickness by Elcometer	IS 101 Part 3, Sec. 2
395	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal & alloys -Aluminum Section, Steel & Structural Steel Articles, Paints, Varnishes, , Enamels, Epoxy, Coating, Plating and Related Products	Gloss @ 60 Degree	ASTM D523
396	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal & alloys -Aluminum Section, Steel & Structural Steel Articles, Paints, Varnishes, , Enamels, Epoxy, Coating, Plating and Related Products	Pencil Hardness test	ASTM D3363
397	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal & alloys -Aluminum Section, Steel & Structural Steel Articles, Paints, Varnishes, , Enamels, Epoxy, Coating, Plating and Related Products	Pencil Hardness test	IS 101 Part 5 Sec. 1
398	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal & alloys -Aluminum Setion, Steel & Structural Steel Articles, Ready Mix Paints, Enamels, Varnishes, Epoxy	Coating Thickness by Elcometer	IS 3203
399	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal & alloys, Aluminum Section, Steel & Structural Steel Articles, Paints, Varnishes, , Enamels, Epoxy, Coating, Plating and Related Products	Resistance to water	ASTM D870
400	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal & alloys, Aluminum Section, Steel & Structural Steel Articles, Paints, Varnishes, , Enamels, Epoxy, Coating, Plating and Related Products	Resistance to acid & Alkali	IS 9862, D1308
401	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal & alloys, Aluminum Section, Steel & Structural Steel Articles, Paints, Varnishes, , Enamels, Epoxy, Coating, Plating and Related Products	Resistance to water	IS 101 Part 7 Sec. 1
402	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Articles	Mass of Zinc Coating	ASTM A90
403	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Coated Parts	Resistance to Humidity	IS 101 Part 6 Sec 1

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404	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Coatings	Adhesion Test (Cross Cut)	ASTM D3359
405	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Coatings	Adhesion Test (Cross Cut)	ISO 2409
406	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Coatings	Bend Test (Conical Mandrel only)	ASTM D522
407	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Coatings	Coating Thickness	ISO 2178
408	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Coatings	Effect of Heat	ISO 3248
409	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	% Reduction of Area	ISO 6892-1
410	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Charpy Impact @ (+) 90 to (-)196 °c	ASME Sec IX
411	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Charpy Impact @ (+) 90 to (-)196 °c	ASTM A327
412	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Elongation %	ISO 6892-1
413	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Proof Stress	ISO 6892-1
414	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Ultimate Tensile Strength (UTS)	ISO 6892-1
415	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Yield Stress, 0.2 to 1.0% Proof Stress	ISO 6892-1
416	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Bend	ASTM E290
417	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Bend	IS 1599

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418	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Charpy Impact	IS 3600 Part 2
419	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Charpy Impact @ (+) 90 to (-)196 °c	ASTM A370, ASME SA370
420	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Charpy Impact @ (+) 90 to (-)196 °c	ASTM E23
421	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Charpy Impact @ (+) 90 to (-)196 °c	IS 1757 - Part 1
422	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Charpy Impact @ (+) 90 to (-)196 °c	ISO 148 (Part 1)
423	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Charpy Impact @ (+) 90 to (-)196 °c with 2 mm Stricker	ASTM E23
424	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Charpy Impact @ (+) 90 to (-)196 °c with 2 mm Stricker	AWS B4.0
425	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Charpy Impact @ (+) 90 to (-)196 °c with 2 mm Stricker	ISO 148 Part 1
426	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material & Products	Hardness Test, Brinell 10/3000, 5/250, 2.5/187.5	ASTM A370, ASME SA370
427	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material & Products	Hardness Test, Brinell 10/3000, 5/250, 2.5/187.5	ASTM E10
428	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material & Products	Hardness Test, Brinell 10/3000, 5/250, 2.5/187.5	IS 1500 Part 1, ISO 6506
429	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material & Products	Hardness Test, Rockwell A, B, C	ASTM A370, ASME SA370
430	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material & Products	Hardness Test, Rockwell A, B, C	ASTM E18
431	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material & Products	Hardness Test, Rockwell A, B, C	IS 1586 Part 1, ISO 6508

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432	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material, Plate, bar, Pipe, Tube, Wire, Cast Specimen & Products	Bend	IS 2329
433	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material, Welded Materials, Products	Vickers Hardness Test, HV 2, HV 5, HV 10, HV 30	ASTM E92
434	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material, Welded Materials, Products	Vickers Hardness Test, HV 2, HV 5, HV 10, HV 30	IS 1501 Part 1, ISO 6507 P1
435	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	% Reduction of Area	JIS Z2241
436	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Elongation %	JIS Z2241
437	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Stress, 0.2 to 1.0% Proof Stress	JIS Z2241
438	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Bend Test	ISO 7438
439	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Jominy	SAE J406
440	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Proof Stress	JIS Z2241
441	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Ultimate Tensile Strength (UTS)	JIS Z2241
442	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials & Welded Items	Rockwell Hardness	ISO 6508-1
443	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials & Welded Items	Vickers HARDNESS	ISO 6507-1, ISO 9015-1
444	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials & Welded Items	Brinell Hardness	ISO 6506-1, ISO 9015-1
445	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Tubular Products	% Reduction of Area	ISO 6892-1

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446	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Tubular Products	Bend	IS 1239 Part 1
447	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Tubular Products	Elongation %	GOST 10006
448	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Tubular Products	Flaring (Drift expansion)	ASTM A370, ASME SA370
449	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Tubular Products	Flattening Test	ASTM A370, ASME SA370
450	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Tubular Products	Flattening Test	BS EN ISO 8492
451	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Tubular Products	Flattening Test	GOST 8695
452	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Tubular Products	Ultimate Tensile Strength (UTS)	GOST 10006
453	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Tubular Products	Yield Stress, 0.2 to 1.0% Proof Stress	GOST 10006
454	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Tubular Products	Flattening Test	IS 2328
455	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Welded Items	% Elongation	IS 3600 Part 3 & 4, IS 7307 Part 1 & IS 7310
456	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Welded Items	1% Proof Stress	IS 3600 Part 3 & 4, IS 7307 Part 1 & IS 7310
457	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Welded Items	Bend Test	ISO 5173
458	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Welded Items	Fillet Weld Tensile	IS 3600 Part 1, IS 7307 Part 1 & IS 7310
459	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Welded Items	Fracture Test, Nick Break Test	ISO 9017

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460	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Welded Items	HARDNESS	AWS B4.0
461	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Welded Items	Impact	AWS B4.0
462	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Welded Items	Impact	IS 3600 Part 2, IS 7307 Part 1 & IS 7310
463	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Welded Items	Impact	ISO 9016
464	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Welded Items	Nick Break Test, Fracture Test	IS 3600 Part 8, IS 7307 Part 1 & IS 7310
465	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Welded Items	Ultimate Tensile Strength/Stress (UTS)	ISO 4136
466	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Welded Items	% Reduction of Area	IS 3600 Part 3 & 4, IS 7307 Part 1 & IS 7310
467	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Welded Items	Bend	IS 3600 Part 5 & 7, IS 7307 Part 1 & IS 7310
468	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Welded Items	Ultimate Tensile Strength (UTS)	IS 3600 Part 3 & 4, IS 7307 Part 1 & IS 7310
469	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Welded Items	Yield Stress, 0.2 to 1.0% Proof Stress	IS 3600 Part 3 & 4, IS 7307 Part 1 & IS 7310
470	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Nuts	Proof Load Test	ASTM A194
471	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Nuts	Proof Load Test	IS 1367 Part 6
472	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Nuts	Proof Load Test	ISO 898 Part 2, DIN EN 14399 Part 3
473	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Painted surfaces	Evaluating Degree of Blistering of Paints	ASTM D714

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474	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Paints & Enamels on Metallic Materials	Mass in Kg/10 liters	ISO 2811-1
475	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Paints and Enamels	Drying Film Thickness	ISO 2808
476	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Paints and Surface Coatings	Drop Impact	ASTM D2794
477	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Paints and Surface Coatings	Knife test	IS 2629
478	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Pipelines And Related Facilities, Welded Pipes	% Elongation	API 1104
479	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Pipelines And Related Facilities, Welded Pipes	% Reduction of Area	API 1104
480	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Pipelines And Related Facilities, Welded Pipes	UTS	API 1104
481	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Pipelines And Related Facilities, Welded Pipes	Yield Stress, 0.2 to 1.0% Proof Stress	API 1104
482	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plate, bar, Pipe, Tube, Wire, Cast Specimen & Products	Bend Test	ASTM A106
483	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plate, bar, Pipe, Tube, Wire, Cast Specimen & Products	Bend Test	ASTM A53
484	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plate, Bar, Pipe, Tube, Wire, Cast Specimen & Products	% Elongation	ASTM E8
485	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plate, Bar, Pipe, Tube, Wire, Cast Specimen & Products	% Reduction of Area	ASTM E8
486	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plate, bar, Pipe, Tube, Wire, Cast Specimen & Products	Bend	API 1104
487	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plate, bar, Pipe, Tube, Wire, Cast Specimen & Products	Bend	ASME Sec IX

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488	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plate, bar, Pipe, Tube, Wire, Cast Specimen & Products	Bend	ASTM E190
489	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plate, bar, Pipe, Tube, Wire, Cast Specimen & Products	Bend Test	ASTM A370, ASME SA370
490	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plate, Bar, Pipe, Tube, Wire, Cast Specimen & Products	Ultimate Tensile Strength (UTS)	ASTM E8
491	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plate, Bar, Pipe, Tube, Wire, Cast Specimen & Products	Yield Stress, 0.2 to 1.0% Proof Stress	ASTM E8
492	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plate, bar, Pipe, Tube, Wire, Cast Specimen & Products	Yield Stress, 0.2 to 1.0% Proof Stress	ISO 4136
493	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plate, Bar, Pipe, Tube, Wire, Cast Specimen & Products, Steel Plates, Chequered Plates, Dowel Bars, Prestressing Steel, Hollow Section, High strength Steel Bar, Steel tubes, GI Pipes, Steel Beam, Steel Column, Steel Channel, Steel Angles, Reinforced Coupler & Bar, Wire Strand, Prestressing Strands HT Strand, LRPC Strands, Barbed Wire, Fencing Wire	% Elongation	IS 1608 Part 1, ISO 6892 Part 1
494	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plate, Bar, Pipe, Tube, Wire, Cast Specimen & Products, Steel Plates, Chequered Plates, Dowel Bars, Prestressing Steel, Hollow Section, High strength Steel Bar, Steel tubes, GI Pipes, Steel Beam, Steel Column, Steel Channel, Steel Angles, Reinforced Coupler & Bar, Wire Strand, Prestressing Strands HT Strand, LRPC Strands, Barbed Wire, Fencing Wire	% Reduction of Area	IS 1608 Part 1, ISO 6892 Part 1
495	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plate, Bar, Pipe, Tube, Wire, Cast Specimen & Products, Steel Plates, Chequered Plates, Dowel Bars, Prestressing Steel, Hollow Section, High strength Steel Bar, Steel tubes, GI Pipes, Steel Beam, Steel Column, Steel Channel, Steel Angles, Reinforced Coupler & Bar, Wire Strand, Prestressing Strands HT Strand, LRPC Strands, Barbed Wire, Fencing Wire	Ultimate Tensile Strength (UTS)	IS 1608 Part 1, ISO 6892 Part 1
496	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plate, Bar, Pipe, Tube, Wire, Cast Specimen & Products, Steel Plates, Chequered Plates, Dowel Bars, Prestressing Steel, Hollow Section, High strength Steel Bar, Steel tubes, GI Pipes, Steel Beam, Steel Column, Steel Channel, Steel Angles, Reinforced Coupler & Bar, Wire Strand, Prestressing Strands HT Strand, LRPC Strands, Barbed Wire, Fencing Wire	Yield Stress, 0.2 to 1.0% Proof Stress	IS 1608 Part 1, ISO 6892 Part 1

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497	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plate, Bar, Pipe, Tube, Wire, Cast Specimen, Bolts, screws and studs (machined & Full Size test pieces) & Products	Ultimate Tensile Strength/Stress (UTS)	ASTM A370, ASME SA370
498	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plate, Bar, Pipe, Tube, Wire, Cast Specimen, Bolts, screws and studs (machined & Full Size test pieces) & Products	Yield Stress, 0.2 to 1.0% Proof Stress	ASTM A370, ASME SA370
499	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plate, Bar, Pipe, Tube, Wire, Cast Specimen, Bolts, screws and studs (machined test pieces) & Products	% Elongation	ASTM A370, ASME SA370
500	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Plate, Bar, Pipe, Tube, Wire, Cast Specimen, Bolts, screws and studs (machined test pieces) & Products	% Reduction of Area	ASTM A370, ASME SA370
501	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Proof Load Test	Proof Load Test	ASTM A563
502	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Coupler (Mechanical splices of steel reinforcing bars), TMT Coupler	Tensile Strength (UTS / Pull Out)	IS 16172
503	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcing Bars	Tensile Strength (UTS)	ASTM A1034
504	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcing bars, rods and wire	Elongation %	ISO 15630-1
505	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcing bars, rods and wire	Tensile Strength (UTS)	ISO 15630-1
506	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcing bars, rods and wire	Yield Stress, 0.2 to 1.0% Proof Stress	ISO 15630-1
507	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Rivets	Diameter	IS 1929, IS 1148
508	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Hardenability (End Quenched or Jominy) Test	ASTM A255
509	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Hardenability (End Quenched or Jominy) Test	IS 3848
510	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Threaded Fasteners	Full Size Tensile Test	SAE J429

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511	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Threaded Fasteners	Proof Load Test	SAE J429
512	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Tube & Pipes	Thickness	IS 1161
513	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Washer	Twist Test	IS 3063
514	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Washer	Permanent Load / Set Test	IS 3063
515	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metallic Materials	FRACTURE TEST	ISO 9017
516	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metallic Materials	Proof Stress	ISO 5178
517	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metallic Materials	Yield Stress, 0.2 to 1.0% Proof Stress	ISO 5178
518	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metallic Materials	Elongation %	ISO 5178
519	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metallic Materials	Ultimate Tensile Strength (UTS)	ISO 5178
520	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Items	Fracture Test, Nick Break Test	ASME SEC IX
521	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Items	Bend Test	AWS B4.0
522	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Items	Fracture Test, Nick Break Test	AWS B4.0
523	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Items	Fracture Test, Nick Break Test	API 1104
524	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welding Rods, Electrodes, and Filler Metals	% Elongation	ASME Sec II (Part C)

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525	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welding Rods, Electrodes, and Filler Metals	% Reduction of Area	ASME Sec II (Part C)
526	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welding Rods, Electrodes, and Filler Metals	Bend	ASME Sec II (Part C):
527	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welding Rods, Electrodes, and Filler Metals	Ultimate Tensile Strength/Stress (UTS)	ASME Sec II (Part C)
528	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welding Rods, Electrodes, and Filler Metals	Yield Stress, 0.2 to 1.0% Proof Stress	ASME Sec II (Part C)
529	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Fracture Test, Nick Break Test	AWS D1.1
530	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds and Welded, Brazed, Fused, Soldered test specimens & Products	% Elongation	ASME Sec IX
531	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds and Welded, Brazed, Fused, Soldered test specimens & Products	0.2% Proof Stress	IS 3600 Part 3 & 4, IS 7307 Part 1 & IS 7310
532	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds and Welded, Brazed, Fused, Soldered test specimens & Products	% Reduction of Area	ASME Sec IX
533	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds and Welded, Brazed, Fused, Soldered test specimens & Products	% Reduction of Area	BS EN ISO 15614 Part 1
534	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds and Welded, Brazed, Fused, Soldered test specimens & Products	% Reduction of Area	ISO 4136
535	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds and Welded, Brazed, Fused, Soldered test specimens & Products	0.2% Proof Stress	BS EN ISO 15614 Part 1
536	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds and Welded, Brazed, Fused, Soldered test specimens & Products	0.2% Proof Stress	ISO 4136
537	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds and Welded, Brazed, Fused, Soldered test specimens & Products	Ultimate Tensile Strength/Stress (UTS)	ASME Sec IX
538	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds and Welded, Brazed, Fused, Soldered test specimens & Products	Ultimate Tensile Strength/Stress (UTS)	BS EN ISO 15614 Part 1

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539	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds and Welded, Brazed, Fused, Soldered test specimens & Products	Yield Stress, 0.2 to 1.0% Proof Stress	BS EN ISO 15614 Part 1
540	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wire Strand, Prestressing Strands HT Strand, LRPC Strands, Barbed Wire, Fencing Wire	Tensile Strength (UTS)	ASTM A1061
541	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wire Strand, Prestressing Strands HT Strand, LRPC Strands, Barbed Wire, Fencing Wire	Mass per Unit Area	IS 14268
542	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wire Strand, Prestressing Strands HT Strand, LRPC Strands, Barbed Wire, Fencing Wire	Proof Stress	ASTM A1061
543	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wire Strand, Prestressing Strands HT Strand, LRPC Strands, Barbed Wire, Fencing Wire	Relaxation test - 100 H	IS 14268
544	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wire Strand, Prestressing Strands HT Strand, LRPC Strands, Barbed Wire, Fencing Wire	Yield Stress, 0.2 to 1.0% Proof Stress	ASTM A1061
545	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wire Strand, Prestressing Strands HT Strand, LRPC Strands, Barbed Wire, Fencing Wire	Elongation %	ASTM A1061
546	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wire Strand, Prestressing Strands HT Strand, LRPC Strands, Barbed Wire, Fencing Wire	% Elongation (Total elongation)	IS 14268
547	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wire Strand, Prestressing Strands HT Strand, LRPC Strands, Barbed Wire, Fencing Wire	Breaking Strength of Strand	IS 14268
548	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wire Strand, Prestressing Strands HT Strand, LRPC Strands, Barbed Wire, Fencing Wire	Cross Section Area	IS 14268
549	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wire Strand, Prestressing Strands HT Strand, LRPC Strands, Barbed Wire, Fencing Wire	Diameter	IS 14268
550	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wrought and Cast Products	Yield Stress, 0.2 to 1.0% Proof Stress	IBR REG 1950
551	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wrought and Cast Products	% Reduction of Area	ASTM B557
552	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wrought and Cast Products	Elongation %	ASTM B557

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553	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wrought and Cast Products	Proof Stress	ASTM B557
554	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wrought and Cast Products	Ultimate Tensile Strength (UTS)	ASTM B557
555	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wrought and Cast Products	Yield Stress, 0.2 to 1.0% Proof Stress	ASTM B557
556	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wrought, Cast and Welded Products	% Reduction of Area	IBR REG 1950
557	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wrought, Cast and Welded Products	Elongation %	IBR REG 1950
558	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wrought, Cast and Welded Products	Proof Stress	IBR REG 1950
559	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wrought, Cast and Welded Products	Ultimate Tensile Strength (UTS)	IBR REG 1950
560	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Zinc Coated Article	Adhesion Test	IS 2629
561	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Zinc Coated Article	Uniformity of Zinc Coating (Preece Test)	IS 2633
562	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steels	IGC, Huey Test	IS 10461 Part 1
563	MECHANICAL-METALLOGRAPHY TEST	Austenitic stainless steels	IGC, Huey test	ISO 3651-1
564	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steels	"PRACTICE B—FERRIC SULFATE–SULFURIC ACID TEST"	ASTM A262
565	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steels	"PRACTICE E—COPPER-COPPER SULFATE–16 % SULFURIC ACID TEST"	ASTM A262
566	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steels	"PRACTICE F—COPPER-COPPER SULFATE–50% SULFURIC ACID TEST"	ASTM A262
567	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steels	PRACTICE A—OXALIC ACID ETCH TEST	ASTM A262

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568	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steels	PRACTICE C—NITRIC ACID TEST	ASTM A262
569	MECHANICAL-METALLOGRAPHY TEST	Austentic Stainless Steels	Method A, The 16% Sulfuric Acid/Copper Sulfate Test (Monypenny Strauss Test)	ISO 3651 (Part 2)
570	MECHANICAL-METALLOGRAPHY TEST	Austentic Stainless Steels	Method B, The 35% Sulfuric Acid/Copper Sulfate Test	ISO 3651 (Part 2)
571	MECHANICAL-METALLOGRAPHY TEST	Austentic Stainless Steels	Method C, The 40% Sulfuric Acid/Copper Sulfate Test	ISO 3651 (Part 2)
572	MECHANICAL-METALLOGRAPHY TEST	Bearing Steel	Carbide Structure	SEP 1520
573	MECHANICAL-METALLOGRAPHY TEST	Cast Iron	Size & Distribution Of Graphite Flake & Nodular (By Comparison Method)	ASTM A247
574	MECHANICAL-METALLOGRAPHY TEST	Cast Iron	Size & Distribution Of Graphite Flake & Nodular (By Comparison Method)	IS 7754
575	MECHANICAL-METALLOGRAPHY TEST	Cast Iron (CI, SGI, MCI, WCI, NCI etc.)	Micro Examination	ISO 945-1, 2
576	MECHANICAL-METALLOGRAPHY TEST	Coated Products	Coating Thickness by Microscopic Method	ASTM B487
577	MECHANICAL-METALLOGRAPHY TEST	Coated Products	Coating Thickness by Microscopic Method	IS 3203
578	MECHANICAL-METALLOGRAPHY TEST	Duplex Austenitic / Ferritic Stainless Steels	"TEST METHOD A—SODIUM HYDROXIDE ETCH TEST"	ASTM A923, ASTM A1084
579	MECHANICAL-METALLOGRAPHY TEST	Duplex Austenitic / Ferritic Stainless Steels	"TEST METHOD C—FERRIC CHLORIDE CORROSION TEST"	ASTM A923, ASTM A1084
580	MECHANICAL-METALLOGRAPHY TEST	Duplex Austenitic / Ferritic Stainless Steels	TEST METHOD B—CHARPY IMPACT TEST	ASTM A923, ASTM A1084
581	MECHANICAL-METALLOGRAPHY TEST	Fasteners	Decarb	IS 1367 Part 3/6
582	MECHANICAL-METALLOGRAPHY TEST	Ferritic Stainless Steel	PRACTICE W—OXALIC ACID ETCH TEST	ASTM A763
583	MECHANICAL-METALLOGRAPHY TEST	Ferritic Stainless Steel	PRACTICE Z—COPPER-COPPER SULFATE-16 % SULFURIC ACID TEST	ASTM A763
584	MECHANICAL-METALLOGRAPHY TEST	Ferrous and Non-Ferrous Material	Volume Fraction	ASTM E562, ASTM E1245

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585	MECHANICAL-METALLOGRAPHY TEST	Ferrous and Non-Ferrous Metallic Material	Macro, Micro, Visual Examination, Weld Penetration, Weld Measurement, Porosity	ASM Hand Book Vol. 9
586	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Degree of Banding	ASTM E1268
587	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Grain Size Measurement	IS 4748, ISO 643
588	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Macro / Micro Examination	ASTM E3, ASTM E1558, ASTM E407, ASTM E1351, ASTM A800
589	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Macro / Micro Examination	ISO/TR 16060
590	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Inclusion Rating (By Comparison Method)	ISO 4967
591	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Case Depth	SAE J423
592	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials, Steel Bar , Billets , Blooms, And Forgings	Grain Size	ASTM E112, ASTM E1382
593	MECHANICAL-METALLOGRAPHY TEST	Metallic Welded Items	Fracture Test, Nick Break Test	IBR REG 1950
594	MECHANICAL-METALLOGRAPHY TEST	Metallic Welded Items	Macro / Micro Examination	BS EN ISO 17639
595	MECHANICAL-METALLOGRAPHY TEST	Metallic Welded Items	Macro / Micro Examination	IBR REG 1950
596	MECHANICAL-METALLOGRAPHY TEST	Metallic Welded Items	Macro / Micro Examination	IS 7739 Part 1, 2, 3, 4 & 5
597	MECHANICAL-METALLOGRAPHY TEST	Metallic Welded Items	Macro / Micro Examination	IS 3600 Part 9, IS 7307 Part 1 & IS 7310
598	MECHANICAL-METALLOGRAPHY TEST	Metallic Welded Items	Macro, Micro, Visual Examination, Weld Penetration, Weld Measurement, Porosity	ASME SEC IX
599	MECHANICAL-METALLOGRAPHY TEST	Stainless Steels	Method A—Ferric chloride pitting test	ASTM G48
600	MECHANICAL-METALLOGRAPHY TEST	Stainless Steels	Method B—Ferric chloride crevice test.	ASTM G48
601	MECHANICAL-METALLOGRAPHY TEST	Stainless Steels	Method E—Critical pitting temperature test for stainless steels.	ASTM G48
602	MECHANICAL-METALLOGRAPHY TEST	Steel	Case Depth (Microscopic Method)	IS 6416

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603	MECHANICAL-METALLOGRAPHY TEST	Steel	Decarburization Depth (Microscopic Method)	ASTM E1077
604	MECHANICAL-METALLOGRAPHY TEST	Steel	Decarburization Depth (Microscopic Method)	IS 6396
605	MECHANICAL-METALLOGRAPHY TEST	Steel	Inclusion Rating (By Comparison Method)	ASTM E45
606	MECHANICAL-METALLOGRAPHY TEST	Steel	Inclusion Rating (By Comparison Method)	IS 4163
607	MECHANICAL-METALLOGRAPHY TEST	Steel Bar , Billets , Blooms, And Forgings	Macroetch	ASTM E340
608	MECHANICAL-METALLOGRAPHY TEST	Steel Bar , Billets , Blooms, And Forgings	Macroetch	ASTM E381
609	MECHANICAL-METALLOGRAPHY TEST	Steel Bar , Billets , Blooms, And Forgings	Macroetch	IS 13015
610	MECHANICAL-METALLOGRAPHY TEST	Weld in Metallic Materials	Macro, Micro, Visual Examination, Weld Penetration, Weld Measurement	AWS B4.0
611	MECHANICAL-METALLOGRAPHY TEST	Welds & welded test specimens	Bend Test	AWS D1.1
612	MECHANICAL-METALLOGRAPHY TEST	Welds & Welded Test Specimens	Macro / Micro Examination	API 1104
613	MECHANICAL-METALLOGRAPHY TEST	wrought steel products	Macroetch	IS 11371
614	MECHANICAL-METALLOGRAPHY TEST	Wrought, Nickel-Rich, Chromium-Bearing Alloys	Method A, Ferric Sulfate-Sulfuric Acid Test	ASTM G28
615	MECHANICAL-METALLOGRAPHY TEST	Wrought, Nickel-Rich, Chromium-Bearing Alloys	Method B, Mixed Acid-Oxidizing Salt Test	ASTM G28
616	MECHANICAL- SOIL AND ROCK	Clays and Soils	Electrical Resistivity by Wenner's Four Electrode method (By Soil Box)	ASTM G57
617	MECHANICAL- SOIL AND ROCK	Natural Building Stone	Apparent / True porosity	IS 1124
618	MECHANICAL- SOIL AND ROCK	Natural Building Stone	Apparent / True Specific Gravity	IS 1124
619	MECHANICAL- SOIL AND ROCK	Natural Building Stone	Compressive Strength	IS 1121 Part 1
620	MECHANICAL- SOIL AND ROCK	Natural Building Stone	Density	IS 13030

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621	MECHANICAL- SOIL AND ROCK	Natural Building Stone	Indirect Tensile strength (by Line Load test)	IS 10082
622	MECHANICAL- SOIL AND ROCK	Natural Building Stone	Moh's Hardness (Scratch Hardness)	IS 13630 Part 13
623	MECHANICAL- SOIL AND ROCK	Natural Building Stone	Moisture Content	IS 13030
624	MECHANICAL- SOIL AND ROCK	Natural Building Stone	Resistance to wear	IS 1706
625	MECHANICAL- SOIL AND ROCK	Natural Building Stone	Split Tensile Strength	IS 1121 Part 3
626	MECHANICAL- SOIL AND ROCK	Natural Building Stone	Water Absorption	IS 1124
627	MECHANICAL- SOIL AND ROCK	Rock	Compressive Strength (UCS)	IS 9143
628	MECHANICAL- SOIL AND ROCK	Rock	Point load index	IS 8764
629	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (DST) Angle of internal friction	IS 2720 Part 13
630	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (DST) Cohesion	IS 2720 Part 13
631	MECHANICAL- SOIL AND ROCK	Soil	Gradation (Sieve analysis 0.015 to 125 mm sieve size)	IS 2720 Part 4
632	MECHANICAL- SOIL AND ROCK	Soil	Hydrometer Analysis	IS 2720 Part 4
633	MECHANICAL- SOIL AND ROCK	Soil	Light compaction - MDD	IS 2720 Part 7
634	MECHANICAL- SOIL AND ROCK	Soil	Light compaction- OMC	IS 2720 Part 7
635	MECHANICAL- SOIL AND ROCK	Soil	Permeability	IS 2720 Part 17
636	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720 Part 6
637	MECHANICAL- SOIL AND ROCK	Soil	Specific gravity	IS 2720 Part 3 sec-1
638	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compressive Strength (UCS)	IS 2720 Part 10
639	MECHANICAL- SOIL AND ROCK	Soil & Clays	Triaxial Shear test, Cohesion	IS 2720 Part 12

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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
640	MECHANICAL- SOIL AND ROCK	Soil & Clays	Triaxial Shear test, Angle of internal friction	IS 2720 Part 12
641	MECHANICAL- SOIL AND ROCK	Soil, Clays	Consolidation Test, Cv	IS 2720 Part 15
642	MECHANICAL- SOIL AND ROCK	Soil, Clays	Consolidation Test, CC	IS 2720 Part 15
643	MECHANICAL- SOIL AND ROCK	Soil, Clays	Consolidation Test, Pc	IS 2720 Part 15
644	MECHANICAL- SOIL AND ROCK	Soil, Clays	Free Swell Index (FSI)	IS 2720 Part 40
645	MECHANICAL- SOIL AND ROCK	Soil, Clays, GSB, WMM	Heavy compaction, MDD	IS 2720 Part 8
646	MECHANICAL- SOIL AND ROCK	Soil, Clays, GSB, WMM	Heavy compaction-OMC	IS 2720 Part 8
647	MECHANICAL- SOIL AND ROCK	Soil, Clays, GSB, WMM	Water content, Moisture Content %	IS 2720 Part 2
648	MECHANICAL- SOIL AND ROCK	Soil, Clays, GSB, WMM, Bentonite	Liquid Limit	IS 2720 Part 5
649	MECHANICAL- SOIL AND ROCK	Soil, Clays, GSB, WMM, Bentonite	Plastic Limit	IS 2720 Part 5
650	MECHANICAL- SOIL AND ROCK	Soil, Clays, GSB, WMM, WBM	California Bearing Ratio (CBR)	IS 2720 Part 16
651	MECHANICAL- TEXTILE MATERIALS	Ropes & Cordages	Breaking Load & Elongation	IS 7071:
652	MECHANICAL- TEXTILE MATERIALS	Geogrids	Wide Width Tensile Elongation	ASTM D6637
653	MECHANICAL- TEXTILE MATERIALS	Geomembranes	Wide Width Tensile Elongation	ASTM D4885,
654	MECHANICAL- TEXTILE MATERIALS	Geomembranes and Related Products	Puncture Resistance	ASTM D4833
655	MECHANICAL- TEXTILE MATERIALS	Geosynthetics	Static (CBR) Puncture Resistance	ISO 12236
656	MECHANICAL- TEXTILE MATERIALS	Geosynthetics	Thickness at 2 kpa	ASTM D5199
657	MECHANICAL- TEXTILE MATERIALS	Geosynthetics (polymeric, glass, and metallic) woven geotextiles, nonwoven geotextiles, geocomposites, knitted geotextiles, geonets, Gostrap (Peraweb), geomats, geogrids and similar open-structure geotextiles	Wide Width Tensile Elongation	IS 16635

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658	MECHANICAL- TEXTILE MATERIALS	Geosynthetics (polymeric, glass, and metallic) woven geotextiles, nonwoven geotextiles, geocomposites, knitted geotextiles, geonets, Gostrap (Peraweb), geomats, geogrids and similar open-structure geotextiles	Wide Width Tensile Elongation	EN ISO 10319
659	MECHANICAL- TEXTILE MATERIALS	Geotextiles	Static (CBR) Puncture Resistance	IS 13162 Part 4
660	MECHANICAL- TEXTILE MATERIALS	Geotextiles	Thickness at 2 kpa	IS 13162 Part 3
661	MECHANICAL- TEXTILE MATERIALS	Geotextiles	Wide Width Tensile Elongation	ASTM D4595
662	MECHANICAL- TEXTILE MATERIALS	Geotextiles (Woven and Non Woven)	Aparent Opning Size	IS 14294
663	MECHANICAL- TEXTILE MATERIALS	Geotextiles (Woven and Non Woven)	Mass per Unit Area	ASTM D5261
664	MECHANICAL- TEXTILE MATERIALS	Geotextiles and Geotextile-Related Products	Mass per Unit Area	IS 14716
665	MECHANICAL- TEXTILE MATERIALS	Geotextiles and Geotextile-Related Products	Static (CBR) Puncture Resistance	ASTM D6241
666	MECHANICAL- TEXTILE MATERIALS	Textiles -Fabrics	Breaking load and elongation	IS 1969 (part1)
667	MECHANICAL- TEXTILE MATERIALS	Textiles -Fabrics	Mass	IS 1964
668	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Half Cell Potential test	BS EN 14630

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Site Facility				
1	MECHANICAL- BUILDINGS MATERIALS	Adhesives	Tensile adhesion strengths	BS EN 12004-2, IS 15477
2	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & alloys -Aluminum Setion, Steel & Structural Steel Articles, Ready Mix Paints, Enamels, Varnishes, Epoxy	Coating Thickness by Elcometer	IS 3203
3	MECHANICAL- SOIL AND ROCK	Clays and Soils	Electrical Resistivity by Wenner's Four Electrode method (By Soil Box)	ASTM G57
4	MECHANICAL- SOIL AND ROCK	Soil / Rock Field Test	Field Density by Sand Replacement	IS 2720 Part 28
5	MECHANICAL- SOIL AND ROCK	Soil Field Test	Field Density by Core cutter method	IS 2720 Part 29
6	MECHANICAL- SOIL AND ROCK	Soil & Rock Field Test	Pile Lateral load test	IS 2911 Part 4
7	MECHANICAL- SOIL AND ROCK	Soil & Rock Field Test	Pile Pull-out test	IS 2911 Part 4
8	MECHANICAL- SOIL AND ROCK	Soil & Rock Field Test	California Bearing Ratio (Field CBR)	IS 2720 Part 31
9	MECHANICAL- SOIL AND ROCK	Soil & Rock Field Test	Dynamic Cone Penetrometer test	IRC SP 72
10	MECHANICAL- SOIL AND ROCK	Soil & Rock Field Test	Electrical Resistivity by Wenner's Four Electrode method (ERT)	IS 3043
11	MECHANICAL- SOIL AND ROCK	Soil & Rock Field Test	Modulus of Subgrade Reaction, K Value	IS 9214
12	MECHANICAL- SOIL AND ROCK	Soil & Rock Field Test	Pile Vertical load test (Compression)	IS 2911 Part 4
13	MECHANICAL- SOIL AND ROCK	Soil & Rock Field Test	Plate Load Test	IS 1888
14	MECHANICAL- SOIL AND ROCK	Soil / Rock Field Test	Standard Penetration test	IS 2131
15	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Bituminous / Concrete Road Section	Bridge (Span) Load Test	IRC SP 51
16	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	RCC Structure	Determination of Crack Depth	IS 516 Part 5 Sec1

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17	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Carbonation Test	IS 516 Part 5 Sec 3
18	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Half Cell Potential test	IS 516 Part 5 Sec 2
19	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Rebound Hammer	IS 516, Part 5, Sec 4
20	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures / Granite (Structural & Polished) / Marble / Kota Stone /)	Ultrasonic Pulse Velocity	IS 516 Part 5 Sec 1, ASTM C597