National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ADITYAPUR AUTO CLUSTER, PLOT NO.41 & 45 (P) PHASE-VII, TATA KANDRA MAIN ROAD, JAMSHEDPUR, SARAIKELA KHARSAWAN, JHARKHAND, INDIA

Accreditation Standard ISO/IEC 17025:2017

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	CHEMICAL- CORROSION TESTS	Coated Products / Panels / Raw Materials	Salt Spray Test	ASTM B 117
2	CHEMICAL- METALS & ALLOYS	Aluminium	Chromium(Cr)	ASTM E1251
3	CHEMICAL- METALS & ALLOYS	Aluminium	Chromium(Cr)	IS 11035
4	CHEMICAL- METALS & ALLOYS	Aluminium	Copper (Cu)	ASTM E 1251
5	CHEMICAL- METALS & ALLOYS	Aluminium	Copper (Cu)	IS 11035
6	CHEMICAL- METALS & ALLOYS	Aluminium	Iron(Fe)	ASTM E 1251
7	CHEMICAL- METALS & ALLOYS	Aluminium	Iron(Fe)	IS 11035
8	CHEMICAL- METALS & ALLOYS	Aluminium	Lead (Pb)	ASTM E 1251
9	CHEMICAL- METALS & ALLOYS	Aluminium	Magnesium(Mg)	IS 11035
10	CHEMICAL- METALS & ALLOYS	Aluminium	Magnisium(Mg)	ASTM E 1251
11	CHEMICAL- METALS & ALLOYS	Aluminium	Manganese(Mn)	ASTM E 1251
12	CHEMICAL- METALS & ALLOYS	Aluminium	Manganese(Mn)	IS 11035
13	CHEMICAL- METALS & ALLOYS	Aluminium	Nickel(Ni)	ASTM E 1251
14	CHEMICAL- METALS & ALLOYS	Aluminium	Silicon(Si)	ASTM E 1251
15	CHEMICAL- METALS & ALLOYS	Aluminium	Silicon(Si)	IS 11035
16	CHEMICAL- METALS & ALLOYS	Aluminium	Titanium(Ti)	ASTM E 1251
17	CHEMICAL- METALS & ALLOYS	Aluminium	Titanium(Ti)	IS 11035
18	CHEMICAL- METALS & ALLOYS	Aluminium	Vanadium (V)	ASTM E 1251

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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	Aluminium	Zinc(Zn)	ASTM E 1251
20	CHEMICAL- METALS & ALLOYS	Aluminium	Zinc(Zn)	IS 11035
21	CHEMICAL- METALS & ALLOYS	Cast Iron	Aluminium (Al)	IS 15338
22	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon(C)	ASTM E 1999
23	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon(C)	IS 15338
24	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium(Cr)	ASTM E 1999
25	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium(Cr)	IS 15338
26	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper (Cu)	ASTM E 1999
27	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper (Cu)	IS 15338
28	CHEMICAL- METALS & ALLOYS	Cast Iron	Magnesium (Mg)	ASTM E 1999
29	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese(Mn)	ASTM E 1999
30	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese(Mn)	IS 15338
31	CHEMICAL- METALS & ALLOYS	Cast Iron	Molybdenum (Mo)	ASTM E 1999
32	CHEMICAL- METALS & ALLOYS	Cast Iron	Molybdenum (Mo)	IS 15338
33	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel(Ni)	ASTM E 1999
34	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel(Ni)	IS 15338
35	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorus(P)	ASTM E 1999
36	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorus(P)	IS 15338
37	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon(Si)	ASTM E 1999

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38	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon(Si)	IS 15338
39	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulfur(S)	ASTM E 1999
40	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulfur(S)	IS 15338
41	CHEMICAL- METALS & ALLOYS	Cast Iron	Tin (Sn)	ASTM E 1999
42	CHEMICAL- METALS & ALLOYS	Cast Iron	Titanium(Ti)	ASTM E 1999
43	CHEMICAL- METALS & ALLOYS	Cast Iron	Vanadium (V)	ASTM E 1999
44	CHEMICAL- METALS & ALLOYS	Cast Iron	Vanadium (V)	IS 15338
45	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Aluminium (Al)	BS EN 15079
46	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Antimony (Sb)	BS EN 15079
47	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Bismuth (Bi)	BS EN 15079
48	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Chromium (Cr)	BS EN 15079
49	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Iron (Fe)	BS EN 15079
50	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Lead (Pb)	BS EN 15079
51	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Magnesium (Mg)	BS EN 15079
52	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Manganese (Mn)	BS EN 15079
53	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Nickel (Ni)	BS EN 15079
54	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Phosphorus (P)	BS EN 15079
55	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Silicon (Si)	BS EN 15079
56	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Sulphur (S)	BS EN 15079

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57	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Tin (Sn)	BS EN 15079
58	CHEMICAL- METALS & ALLOYS	High Speed Tool Steel	Aluminium (Al)	JIS G 1253
59	CHEMICAL- METALS & ALLOYS	High Speed Tool Steel	Carbon (C)	JIS G 1253
60	CHEMICAL- METALS & ALLOYS	High Speed Tool Steel	Chromium (Cr)	JIS G 1253
61	CHEMICAL- METALS & ALLOYS	High Speed Tool Steel	Manganese (Mn)	JIS G 1253
62	CHEMICAL- METALS & ALLOYS	High Speed Tool Steel	Phosphorous (P)	JIS G 1253
63	CHEMICAL- METALS & ALLOYS	High Speed Tool Steel	Silicon (Si)	JIS G 1253
64	CHEMICAL- METALS & ALLOYS	High Speed Tool Steel	Sulphur (S)	JIS G 1253
65	CHEMICAL- METALS & ALLOYS	High Speed Tool Steel	Tungtun (W)	JIS G 1253
66	CHEMICAL- METALS & ALLOYS	High Speed Tool Steel	Vanadium (V)	JIS G 1253
67	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Aluminium (Al)	ASTM E 415
68	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Aluminium (Al)	IS 8811
69	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Carbon(C)	ASTM E 415
70	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Carbon(C)	IS 8811
71	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Chromium(Cr)	ASTM E 415
72	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Chromium(Cr)	IS 8811
73	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Cobalt (Co)	ASTM E 415
74	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Cobalt (Co)	IS 8811
75	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Copper (Cu)	ASTM E 415

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
76	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Copper (Cu)	IS 8811
77	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Manganese(Mn)	ASTM E 415
78	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Manganese(Mn)	IS 8811
79	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Molybdenum(Mo)	ASTM E 415
80	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Molybdenum(Mo)	IS 8811
81	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Nickel(Ni)	ASTM E 415
82	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Nickel(Ni)	IS 8811
83	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Niobium (Nb)	ASTM E 415
84	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Niobium (Nb)	IS 8811
85	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Phosphorus(P)	ASTM E 415
86	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Phosphorus(P)	IS 8811
87	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Silicon(Si)	ASTM E 415
88	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Silicon(Si)	IS 8811
89	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Sulfur(S)	ASTM E 415
90	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Sulfur(S)	IS 8811
91	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Tin (Sn)	ASTM E 415
92	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Tin (Sn)	IS 8811
93	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Titanium (Ti)	ASTM E 415
94	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Titanium (Ti)	IS 8811

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
95	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Vanadium (V)	ASTM E 415
96	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Vanadium (V)	IS 8811
97	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon(C)	ASTM E 1086
98	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon(C)	IS 9879
99	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium(Cr)	ASTM E 1086
100	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium(Cr)	IS 9879
101	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper (Cu)	ASTM E 1086
102	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper (Cu)	IS 9879
103	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese(Mn)	ASTM E 1086
104	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese(Mn)	IS 9879
105	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum(Mo)	ASTM E 1086
106	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum(Mo)	IS 9879
107	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel(Ni)	ASTM E 1086
108	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel(Ni)	IS 9879
109	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus(P)	ASTM E 1086
110	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus(P)	IS 9879
111	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon(Si)	ASTM E 1086
112	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon(Si)	IS 9879
113	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulfur(S)	ASTM E 1086

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114	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulfur(S)	IS 9879
115	CHEMICAL- RUBBER & RUBBER PRODUCTS	Rubber Products	Ash Content	IS 3400 (Part-22)
116	CHEMICAL- RUBBER & RUBBER PRODUCTS	Rubber Products	Moisture Content	IS 3400 (Part-22)
117	MECHANICAL- BUILDINGS MATERIALS	Common Burnt Clay Building Bricks	Compressive Strength	Is 3495 (Part-1)
118	MECHANICAL- BUILDINGS MATERIALS	Common Burnt Clay Building Bricks	Efflorescence	IS 3495 (Part-3)
119	MECHANICAL- BUILDINGS MATERIALS	Common Burnt Clay Building Bricks	Height	IS 1077
120	MECHANICAL- BUILDINGS MATERIALS	Common Burnt Clay Building Bricks	Length	IS 1077
121	MECHANICAL- BUILDINGS MATERIALS	Common Burnt Clay Building Bricks	Water Absorption	IS 3495 (Part-2)
122	MECHANICAL- BUILDINGS MATERIALS	Common Burnt Clay Building Bricks	Width	IS 1077
123	MECHANICAL- BUILDINGS MATERIALS	Concrete Cubes	Compressive Strength	IS 516
124	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Compressive Strength	IS 15658
125	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Length	IS 15658
126	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Thickness	IS 15658
127	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Water Absorption	IS 15658
128	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Width	IS 15658
129	MECHANICAL- BUILDINGS MATERIALS	Pulverized Ash-Lime Bricks	Compressive Strength	IS 3495 (Part-1)
130	MECHANICAL- BUILDINGS MATERIALS	Pulverized Ash-Lime Bricks	Efflorescence	IS 3495 (Part-3)
131	MECHANICAL- BUILDINGS MATERIALS	Pulverized Ash-Lime Bricks	Water Absorption	IS 3495 (Part-2)
132	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash- Lime Bricks	Height	IS 12894

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133	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash- Lime Bricks	Length	IS 12894
134	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash- Lime Bricks	Width	IS 12894
135	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Deformed Steel	Re-Bend	IS 1786
136	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Material & Welded test specimens	Longitudinal Side Bend	ASTM E 190
137	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials & Welded Test Specimens	% Elongation	IS 1608 (Part-1)
138	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials & Welded Test Specimens	% Reduction in Area	IS 1608 (Part-1)
139	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials & Welded Test Specimens	Bend Test	ASTM A 370
140	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials & Welded Test Specimens	Bend Test	ISO 7438
141	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials & welded test specimens	Longitudinal Root Bend	ASTM E 190
142	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials & Welded Test Specimens	Transverse Face Bend	ASTM E 190
143	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials & Welded Test Specimens	Transverse Root Bend	ASTM E 190
144	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials & Welded Test Specimens	Transverse Side Bend	ASTM E 190
145	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials & Welded Test Specimens	Ultimate Tensile Strength	IS 1608 (Part-1)
146	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials & Welded Test Specimens	Vickers Hardness (HV)	IS 1501 (Part-1)

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147	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials & Welded Test Specimens	Yield Strength	IS 1608 (Part-1)
148	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous Material	Proof Stress (0.1%, 0.2%, 0.3%, 0.4%, 0.5%)	IS 1608 (Part-1)
149	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous Material and Welded Test Specimen	% Elongation	ASTM A370
150	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous Material and Welded Test Specimen	% Reduction Area	ASTM A 370
151	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous Material and Welded Test Specimen	fusion-welded joints	ISO 17637
152	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous Material and Welded Test Specimen	Tensile Strength	ASTM A370
153	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous Material and Welded Test Specimen	Yield Stress	ASTM A370
154	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous Materials	Breaking Load	ASTM A370
155	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous Materials	Breaking Load	IS 1608 (Part-1)
156	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous Materials	Proof Stress (0.1%, 0.2%, 0.3%, 0.4%, 0.5%)	ASTM A370
157	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Brinell Hardness (HBW)	ASTM A 370
158	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Brinell Hardness (HBW)	ASTM E10
159	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Brinell Hardness (HBW)	IS 1500 (Part-1)
160	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Rockwell Hard (HRA)	IS 1586 (Part-1)

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161	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Rockwell Hardness (HRBW)	ASTM A 370
162	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Rockwell Hardness (HRBW)	ISO 6508-1
163	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Rockwell Hardness (HRC)	ASTM A 370
164	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Rockwell Hardness (HRC)	IS 1586 (Part-1)
165	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Rockwell Hardness (HRC)	ISO 6508-1
166	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Rockwell Hardness(HRBW)	IS 1586 (Part-1)
167	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Vickers Hardness (HV 0.2)	ISO 6506-1
168	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Vickers Hardness (HV 0.3)	ISO 6506-1
169	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Vickers Hardness (HV0.2)	ASTM E 92
170	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Vickers Hardness (HV0.3)	ASTM E 92
171	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Vickers Hardness (HV0.5)	ASTM E 92
172	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Vickers Hardness (HV0.5)	ISO 6506-1
173	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Vickers Hardness (HV1)	ASTM E 92
174	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Vickers Hardness (HV1)	ISO 6506-1

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175	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hard Material Vickers Hardness	HV0.2,HV0.3,HV0.5,HV1	IS 12783
176	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Longitudinal Face Bend Test Specimen For a Butt Weld	Face Bend	ISO 5137 Amd 1
177	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Longitudinal Root Bend Test Specimen For a Butt Weld	Root Bend	ISO 5173 Amd 1
178	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Longitudinal Side Bend Test Specimen For a Butt Weld	Side Bend	ISO 5173 Amd 1
179	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Metals	Brinell Hardness (HBW)	ASTM E10
180	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Metals	Brinell Hardness(HBW)	IS 1500 (Part-1)
181	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Metals	Vickers Hardness (HV0.2)	ASTM E 92
182	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Metals	Vickers Hardness (HV0.2)	ISO 6506-1
183	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Metals	Vickers Hardness (HV0.3)	ASTM E 92
184	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Metals	Vickers Hardness (HV0.3)	ISO 6506-1
185	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Metals	Vickers Hardness (HV0.5)	ASTM E 92
186	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Metals	Vickers Hardness (HV0.5)	ISO 6506-1
187	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Metals	Vickers Hardness (HV1)	ASTM E 92
188	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Metals	Vickers Hardness (HV1)	ISO 6506-1

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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
189	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Case Depth (Load-0.2, 0.3, 0.5, 1 kgf)	IS 6416
190	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Plates, Sections, Tubes, Pipe and Weld Joints Bend Test	Longitudinal Bend	ASTM E 290
191	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Plates, Sections, Tubes, Pipes and weld Joints Bend Test	Transverse Bend	ASTM E 290
192	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Sheet & Plate	Bend Test	IS 1599
193	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Transverse Face bend Test Specimen For a Butt Weld	Face Bend	ISO 5173 AMD 1
194	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Transverse Root Bend Test Specimen For a Butt Weld	Root Bend	ISO 5173 Amd 1
195	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Transverse Side Bend Test Specimen For a Butt Weld	Side Bend	ISO 5173 Amd. 1
196	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld & Welded Test Specimens	Longitudinal Face Bend	ASTM E 190
197	MECHANICAL-METALLOGRAPHY TEST	Cast Iron	microstructure & Type of Graphite	IS 7754
198	MECHANICAL-METALLOGRAPHY TEST	Ductile Iron	Microstructure Examination	ASTM E 2567
199	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials	Grain Size (comparison Method)	ASTM E 112
200	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials	Grain Size (Comparison Method)	IS 4748
201	MECHANICAL-METALLOGRAPHY TEST	Steel	Decarburization Depth	IS 6396
202	MECHANICAL-METALLOGRAPHY TEST	Steel	Inclusion Rating (Comparison Method)	IS 4163
203	MECHANICAL-METALLOGRAPHY TEST	Steel	Inclusion Rating by Comparison Method	ASTM E 45
204	MECHANICAL-METALLOGRAPHY TEST	Steel	Microstructure of Grain Size	ISO 643

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205	MECHANICAL- METALLOGRAPHY TEST	Steel Weld Joint	Micro/Micro of weld joint including HAZ & Base Metal	IS 3600 (Part-9)
206	MECHANICAL- METALLOGRAPHY TEST	Tin Coating on Iron, Steel, Nickel alloys, Copper and Copper alloys	Determination of Thickness of Coating by Microscopic Method	ASTM B 487
207	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic	% Elongation	ASTM D 638
208	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic	Density	ASTM D 792
209	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic	Density	IS 13360 (Part-3/Sec-1)
210	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic	Density	ISO 1183-1
211	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic	Flexural Modulus	ASTM D 790
212	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic	Flexural Modulus	ISO 178
213	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic	Flexural Strength (Method A & B)	ASTM D 790
214	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic	Flexural Strength (Method A & B)	ISO 178
215	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic	Hardness Shore A	ASTM D 2240
216	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic	Hardness Shore D	ASTM D 2240
217	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic	Specific Gravity	ASTM D792
218	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic	Tensile Strength	ASTM D 638
219	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic	Tensile Strength	ISO 527-1
220	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Accelerated Ageing and Heat Resistance	% Elongation	IS 3400 (Part-4)
221	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Accelerated Ageing and Heat Resistance	Hardness Shore A	IS 3400(Part-4)
222	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Accelerated Ageing and Heat Resistance	Hardness Shore D	IS 3400 (Part-4)
223	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Accelerated Ageing and Heat Resistance	Tensile Strength	IS 3400 (Part-4)

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224	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Before Ageing	Hardness Shore A	IS 3400 (Part-2)
225	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Before Ageing	Hardness Shore D	IS 3400 (Part-2)
226	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanized Rubber	% Elongation	IS 3400 (Part-1)
227	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanized Rubber	%Elongation	ASTM D412
228	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanized Rubber	Compression Set	ASTM D 395
229	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanized Rubber	Compression Set	IS 3400 (Part-10)
230	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanized Rubber	Density	ASTM D297-15
231	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanized Rubber	Density	IS 3400 (Part-9)
232	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanized Rubber	Deterioration by heating in air Oven (Ageing Test) Change in Elongation at break	ASTM D573
233	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanized Rubber	Deterioration by heating in air Oven (Ageing Test) Change in Tensile Strength	ASTM D573
234	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanized Rubber	Deterioration by heating in air Oven(Ageing Test) Change in Hardness	ASTM D573
235	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanized Rubber	Determination effect of liquid (Change in Elongation)	IS 3400 (Part-6)
236	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanized Rubber	Determination effect of liquid (Change in Hardness)	IS 3400 (Part-6)
237	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanized Rubber	Determination effect of liquid (Change in Tensile Strength)	IS 3400 (Part-6)
238	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanized Rubber	Hardness Shore A	ASTM D 2240
239	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanized Rubber	Hardness Shore A	IS 3400 (Part-23 Sec1)
240	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanized Rubber	Hardness Shore D	ASTM D 2240
241	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanized Rubber	Hardness Shore D	IS 3400 (Part-23, Sec1)

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242	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanized Rubber	Specific Gravity	ASTM D297-15
243	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanized Rubber	Tear Strength	IS 3400 (Part-12)
244	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanized Rubber	Tensile Strength	ASTM D412
245	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanized Rubber	Tensile Strength	IS 3400 (Part-1)
246	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanized Rubber	Tear Strength Die B	ASTM D624
247	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanized Rubber	Tear Strength die C	ASTM D 624

National Accreditation Board for Testing and Calibration Laboratories

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Site Facility				
1	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Rebound Hammer Test	IS 516-part 05-sec04