National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : NATIONAL BUILDING MATERIAL LAB, RAIPUR-BILASPUR ROAD, URKURA NAGAR, RAIPUR, CHHATTISGARH, 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 Containt	IS 9103
2	CHEMICAL- BUILDING MATERIAL	Admixture	Chloride	IS 6925
3	CHEMICAL- BUILDING MATERIAL	Admixture	Dry Material Content	IS 9103
4	CHEMICAL- BUILDING MATERIAL	Admixture	PH Value	IS 9103
5	CHEMICAL- BUILDING MATERIAL	Admixture	Relative density	IS 6925
6	CHEMICAL- BUILDING MATERIAL	Aggregate / River Sand	Organic Impurities	IS 2386 PART 2
7	CHEMICAL- BUILDING MATERIAL	Calcareous Fly Ash	Loss on ignition % by mass	IS 1727
8	CHEMICAL- BUILDING MATERIAL	Calcareous Fly Ash	Magnesium Oxide % By mass	IS 1727
9	CHEMICAL- BUILDING MATERIAL	Calcareous Fly Ash	Silicin dioxide + alumina + iron oxide % by mass	IS 1727
10	CHEMICAL- BUILDING MATERIAL	Calcareous Fly Ash	Silicon Dioxide %Mass	IS 1727
11	CHEMICAL- BUILDING MATERIAL	Calcareous Fly Ash	Sulphur Trioxide (As So3) % by mass	IS 1727
12	CHEMICAL- BUILDING MATERIAL	OPC 33 Grade	Alumina	IS 4032
13	CHEMICAL- BUILDING MATERIAL	OPC 33 Grade	Calcium Oxide	IS 4032
14	CHEMICAL- BUILDING MATERIAL	OPC 33 Grade	Insoluble Residue, % by mass	IS 4032
15	CHEMICAL- BUILDING MATERIAL	OPC 33 Grade	Iron oxide	IS 4032
16	CHEMICAL- BUILDING MATERIAL	OPC 33 grade	Loss On Ignition % by mass	IS 4032
17	CHEMICAL- BUILDING MATERIAL	OPC 33 Grade	Magnesia	IS 4032
18	CHEMICAL- BUILDING MATERIAL	OPC 33 Grade	Silica	IS 4032

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19	CHEMICAL- BUILDING MATERIAL	OPC 33 Grade	sulphuric Anhydride(as so3) % by mass	IS 4032
20	CHEMICAL- BUILDING MATERIAL	OPC 43 Grade	Alumina	IS 4032
21	CHEMICAL- BUILDING MATERIAL	OPC 43 Grade	Calcium Oxide	IS 4032
22	CHEMICAL- BUILDING MATERIAL	OPC 43 Grade	Insoluble Residue, % by mass	IS 4032
23	CHEMICAL- BUILDING MATERIAL	OPC 43 Grade	Iron oxide	IS 4032
24	CHEMICAL- BUILDING MATERIAL	OPC 43 Grade	Loss On Ignition % by mass	IS 4032
25	CHEMICAL- BUILDING MATERIAL	OPC 43 Grade	Magnesia, % by mass, max	IS 4032
26	CHEMICAL- BUILDING MATERIAL	OPC 43 Grade	Silica	IS 4032
27	CHEMICAL- BUILDING MATERIAL	OPC 43 Grade	sulphuric Anhydride(as so3) % by mass	IS 4032
28	CHEMICAL- BUILDING MATERIAL	OPC 53 Grade	Alumina	IS 4032
29	CHEMICAL- BUILDING MATERIAL	OPC 53 Grade	Calcium Oxide	IS 4032
30	CHEMICAL- BUILDING MATERIAL	OPC 53 Grade	Insoluble Residue, % by mass	IS 4032
31	CHEMICAL- BUILDING MATERIAL	OPC 53 Grade	Iron oxide	IS 4032
32	CHEMICAL- BUILDING MATERIAL	OPC 53 Grade	Loss On Ignition % by mass	IS 4032
33	CHEMICAL- BUILDING MATERIAL	OPC 53 Grade	Magnesia, % by mass, max	IS 4032
34	CHEMICAL- BUILDING MATERIAL	OPC 53 Grade	Silica	IS 4032
35	CHEMICAL- BUILDING MATERIAL	OPC 53 Grade	sulphuric Anhydride (as so3) % by mass	IS 4032
36	CHEMICAL- BUILDING MATERIAL	PPC	Insoluble Residue, % by mass	IS 4032
37	CHEMICAL- BUILDING MATERIAL	PPC	Loss On Ignition % by mass	IS 4032

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38	CHEMICAL- BUILDING MATERIAL	PPC	Magnesia, % by mass, max	IS 4032
39	CHEMICAL- BUILDING MATERIAL	PPC	sulphuric Anhydride (as so3) % by mass	IS 4032
40	CHEMICAL- BUILDING MATERIAL	Siliceous Fly Ash	Loss on ignition % by mass	IS 1727
41	CHEMICAL- BUILDING MATERIAL	Siliceous Fly Ash	Magnesium Oxide % By mass	IS 1727
42	CHEMICAL- BUILDING MATERIAL	Siliceous Fly Ash	Silicin dioxide + alumina + iron oxide	IS 1727
43	CHEMICAL- BUILDING MATERIAL	Siliceous Fly Ash	Silicon Dioxide %Mass	IS 1727
44	CHEMICAL- BUILDING MATERIAL	Siliceous Fly Ash	Sulphur Trioxide (As So3) % by mass	IS 1727
45	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	CARBON	IS 8811
46	CHEMICAL- METALS & ALLOYS	ALUMINIUM AND ITS ALLOY	CHROMIUM	ASTM E 1251
47	CHEMICAL- METALS & ALLOYS	ALUMINIUM AND ITS ALLOY	COPPER	ASTM E 1251
48	CHEMICAL- METALS & ALLOYS	ALUMINIUM AND ITS ALLOY	IRON	ASTM E 1251
49	CHEMICAL- METALS & ALLOYS	ALUMINIUM AND ITS ALLOY	MAGNESIUM	ASTM E 1251
50	CHEMICAL- METALS & ALLOYS	ALUMINIUM AND ITS ALLOY	MANGANESE	ASTM E 1251
51	CHEMICAL- METALS & ALLOYS	ALUMINIUM AND ITS ALLOY	NICKEL	ASTM E 1251
52	CHEMICAL- METALS & ALLOYS	ALUMINIUM AND ITS ALLOY	SILICON	ASTM E 1251
53	CHEMICAL- METALS & ALLOYS	ALUMINIUM AND ITS ALLOY	TITANIUM	ASTM E 1251
54	CHEMICAL- METALS & ALLOYS	ALUMINIUM AND ITS ALLOY	VANADIUM	ASTM E 1251
55	CHEMICAL- METALS & ALLOYS	ALUMINIUM AND ITS ALLOY	ZINC	ASTM E 1251
56	CHEMICAL- METALS & ALLOYS	Metals(steel)	Carbon	IS 228 (Part-1)

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57	CHEMICAL- METALS & ALLOYS	Metals(steel)	Manganese	IS 228 (Part-2)
58	CHEMICAL- METALS & ALLOYS	Metals(steel)	Nickel	IS 228 (Part 5)
59	CHEMICAL- METALS & ALLOYS	Metals(steel)	Phosphorus	IS 228 (Part-3)
60	CHEMICAL- METALS & ALLOYS	Metals(steel)	Silicon	IS 228 (Part 8)
61	CHEMICAL- METALS & ALLOYS	Metals(steel)	Sulphur	IS 228 (Part-9)
62	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	CHROMIUM	IS 8811
63	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	SILICON	ASTM E 415
64	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	ALUMINIUM	ASTM E 415
65	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	ALUMINIUM	IS 8811
66	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	BORON	ASTM E 415
67	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	BORON	IS 8811
68	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	CARBON	ASTM E 415
69	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	CHROMIUM	ASTM E 1251
70	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	CHROMIUM	ASTM E 1251
71	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	COBALT	IS 8811
72	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	COPPER	ASTM E 415
73	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	COPPER	IS 8811
74	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	MANGANESE	ASTM E 415
75	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	MANGANESE	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
76	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	MOLYBDENUM	ASTM E 415
77	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	MOLYBDENUM	IS 8811
78	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	NICKEL	ASTM E 415
79	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	NICKEL	IS 8811
80	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	NIOBIUM	ASTM E 415
81	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	NIOBIUM	IS 8811
82	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	NITROGEN	ASTM E 415
83	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	NITROGEN	IS 8811
84	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	PHOSPHORUS	ASTM E 415
85	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	PHOSPHORUS	IS 8811
86	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	SILICON	IS 8811
87	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	SULFUR	ASTM E 415
88	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	SULFUR	IS 8811
89	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	TITANIUM	IS 8811
90	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	TUNGSTEN	IS 8811
91	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	VANADIUM	ASTM E 415
92	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND LOW ALLOY STEEL	VANADIUM	IS 8811
93	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	ALUMINIUM	IS 9879
94	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	BORON	IS 9879

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95	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	CARBON	ASTM E 1086
96	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	CARBON	IS 9879
97	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	CHROMIUM	ASTM E 1086
98	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	CHROMIUM	IS 9879
99	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	COBALT	ASTM E 1086
100	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	COBALT	IS 9879
101	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	COPPER	ASTM E 1086
102	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	COPPER	IS 9879
103	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	MANGANESE	ASTM E 1086
104	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	MANGANESE	IS 9879
105	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	MOLYBDENUM	ASTM E 1086
106	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	MOLYBDENUM	IS 9879
107	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	NICKEL	ASTM E 1086
108	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	NICKEL	IS 9879
109	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	NIOBIUM	IS 9879:1998 RA
110	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	NITROGEN	IS 9879:1998 RA
111	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	PHOSPHORUS	ASTM E 1086
112	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	PHOSPHORUS	IS 9879
113	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	SILICON	ASTM E 1086

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
114	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	SILICON	IS 9879
115	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	SULFUR	ASTM E 1086
116	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	SULFUR	IS 9879
117	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	TITANIUM	IS 9879
118	CHEMICAL- METALS & ALLOYS	STAINLESS STEEL	VANADIUM	IS 9879
119	CHEMICAL- PAINTS & SURFACE COATING	Paints/ Enamels (Interior)	Pencil Hardness Test	IS 101 (Part-5, Sec-1)
120	CHEMICAL- PAINTS & SURFACE COATING	Red Oxide Primer, Al Paints , Enamels Pai nts,Zinc Chromate Paint & Primers	Gloss Value, Specular 60Â°	IS 101 (P-4 , S-4)
121	CHEMICAL- PAINTS & SURFACE COATING	Aluminum Paint, Heat Resistant	Consistency	IS 101 (Part-1, Sec-5)
122	CHEMICAL- PAINTS & SURFACE COATING	Aluminum Paint, Heat Resistant	Drying Time	IS 101 (Part-3, Sec-1)
123	CHEMICAL- PAINTS & SURFACE COATING	Aluminum Paint, Heat Resistant	Finish	IS 101 (Part-3, Sec-4)
124	CHEMICAL- PAINTS & SURFACE COATING	Aluminum Paint, Heat Resistant	Flash Point	IS 101 (Part-1, Sec-6)
125	CHEMICAL- PAINTS & SURFACE COATING	Aluminum Paint, Heat Resistant	Mass in kg per 10L	IS 101 (Part-1, Sec-7)
126	CHEMICAL- PAINTS & SURFACE COATING	Aluminum Paint, Heat Resistant	Pencil Hardness Test	IS (Part-5, Sec-1)
127	CHEMICAL- PAINTS & SURFACE COATING	Aluminum Paint, Heat Resistant	Scratch Hardness after (100g Load)	IS (Part-5, Sec-2)
128	CHEMICAL- PAINTS & SURFACE COATING	Paints/ Enamels (Exterior)	Drying Time	IS 101 (Part-3, Sec-1)
129	CHEMICAL- PAINTS & SURFACE COATING	Paints/ Enamels (Exterior)	Fineness of Grind	IS 101 (Part-3, Sec-5)
130	CHEMICAL- PAINTS & SURFACE COATING	Paints/ Enamels (Exterior)	Finish	IS 101 (Part-3, Sec-4)
131	CHEMICAL- PAINTS & SURFACE COATING	Paints/ Enamels (Exterior)	Flash Point	IS 101 (Part-1, Sec-6)
132	CHEMICAL- PAINTS & SURFACE COATING	Paints/ Enamels (Exterior)	Mass in kg per 10L	IS 101 (Part-1, Sec-7)

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133	CHEMICAL- PAINTS & SURFACE COATING	Paints/ Enamels (Exterior)	Pencil Hardness Test	IS 101 (Part-5, Sec-1)
134	CHEMICAL- PAINTS & SURFACE COATING	Paints/ Enamels (Exterior)	Viscosity by Flow Cup at 27±20 C	IS 101 (Part-1, Sec-5)
135	CHEMICAL- PAINTS & SURFACE COATING	Paints/ Enamels (Exterior)	Volatile Matter	IS 101 (Part-2, Sec-2)
136	CHEMICAL- PAINTS & SURFACE COATING	Paints/ Enamels (Exterior)	Volume Solids	IS 101 (Part 8/Sec 6)
137	CHEMICAL- PAINTS & SURFACE COATING	Paints/ Enamels (Exterior)	Water Content (by Mass)	IS 101 (Part-2, Sec-1)
138	CHEMICAL- PAINTS & SURFACE COATING	Paints/ Enamels (Interior)	Drying Time	IS 101 (Part-3, Sec-1)
139	CHEMICAL- PAINTS & SURFACE COATING	Paints/ Enamels (Interior)	Fineness of Grind	IS 101 (Part-3, Sec-5)
140	CHEMICAL- PAINTS & SURFACE COATING	Paints/ Enamels (Interior)	Finish	IS 101 (Part-3, Sec-4)
141	CHEMICAL- PAINTS & SURFACE COATING	Paints/ Enamels (Interior)	Flash Point	IS 101 (Part-1, Sec-6)
142	CHEMICAL- PAINTS & SURFACE COATING	Paints/ Enamels (Interior)	Mass in kg per 10L	IS 101 (Part-1, Sec-7)
143	CHEMICAL- PAINTS & SURFACE COATING	Paints/ Enamels (Interior)	Viscosity by Flow Cup at 27± 20 C	IS 101 (Part-1, Sec-5)
144	CHEMICAL- PAINTS & SURFACE COATING	Paints/ Enamels (Interior)	Volatile Matter	IS 101 (Part-2, Sec-2)
145	CHEMICAL- PAINTS & SURFACE COATING	Paints/ Enamels (Interior)	Volume Solids	IS 101 (Part-8, Sec-6)
146	CHEMICAL- PAINTS & SURFACE COATING	Paints/ Enamels (Interior)	Water Content (by Mass)	IS 101 (Part-2, Sec-1)
147	CHEMICAL- PAINTS & SURFACE COATING	Ready mixed paint/ Zinc Chrome/ Red oxide-zinc chrome/ Synthetic Primer	Accelerated Storage Stability Test	IS 1874 (Annexure E)
148	CHEMICAL- PAINTS & SURFACE COATING	Ready mixed paint/ Zinc Chrome/ Red oxide-zinc chrome/ Synthetic Primer	Consistency	IS 101 (Part-1, Sec-5)
149	CHEMICAL- PAINTS & SURFACE COATING	Ready mixed paint/ Zinc Chrome/ Red oxide-zinc chrome/ Synthetic Primer	Drying Time	IS 101 (Part-3, Sec-1)
150	CHEMICAL- PAINTS & SURFACE COATING	Ready Mixed Paint/ Zinc Chrome/ Red Oxide-Zinc Chrome/ Synthetic Primer	Fineness of Grind	IS 101 (Part-3, Sec-5)
151	CHEMICAL- PAINTS & SURFACE COATING	Ready Mixed Paint/ Zinc Chrome/ Red Oxide-Zinc Chrome/ Synthetic Primer	Finish	IS 101 (Part-3, Sec-4)

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152	CHEMICAL- PAINTS & SURFACE COATING	Ready Mixed Paint/ Zinc Chrome/ Red Oxide-Zinc Chrome/ Synthetic Primer	Flash Point	IS 101 (Part-1, Sec-6)
153	CHEMICAL- PAINTS & SURFACE COATING	Ready mixed paint/ Zinc Chrome/ Red oxide-zinc chrome/ Synthetic Primer	Gloss Value, Specular 45Â°	IS 101 (P-4 , S-4)
154	CHEMICAL- PAINTS & SURFACE COATING	Ready Mixed Paint/ Zinc Chrome/ Red Oxide-Zinc Chrome/ Synthetic Primer	Mass in kg per 10L	IS 101 (Part-1, Sec-7)
155	CHEMICAL- PAINTS & SURFACE COATING	Ready Mixed Paint/ Zinc Chrome/ Red Oxide-Zinc Chrome/ Synthetic Primer	Pencil Hardness Test	IS (Part-5, Sec-1)
156	CHEMICAL- PAINTS & SURFACE COATING	Ready mixed paint/ Zinc Chrome/ Red oxide-zinc chrome/ Synthetic Primer	Scratch Hardness after 48 Hours	IS (Part-5, Sec-2)
157	CHEMICAL- PAINTS & SURFACE COATING	Red Oxide Primer, Al Paints , Enamels Pai nts,Zinc Chromate Paint & Primers	Pigment Content	IS 101 (P-8 , S-2)
158	CHEMICAL- PAINTS & SURFACE COATING	Red Oxide Primer, Al Paints , Enamels Pai nts,Zinc Chromate Paint & Primer	Impact Resistance Test	IS 101 (P-5 , S-2)
159	CHEMICAL- PAINTS & SURFACE COATING	Red Oxide Primer, Al Paints , Enamels Pai nts,Zinc Chromate Paint & Primers	Iron Content (fe2O3)	IS 6947 P-2
160	CHEMICAL- PAINTS & SURFACE COATING	Red Oxide Primer, Al Paints , Enamels Pai nts,Zinc Chromate Paint & Primers	Protection Against Corrosion under condition of condensation	IS 101 (P-6 , S-1)
161	CHEMICAL- PAINTS & SURFACE COATING	Red Oxide Primer, Al Paints , Enamels Pai nts,Zinc Chromate Paint & Primers	Wet Opacity	IS 101 (Part 4;Sec 1)
162	CHEMICAL- PAINTS & SURFACE COATING	Red Oxide Primer, Al Paints , Enamels Pai nts,Zinc Chromate Paint & Primers	Zinc Chrome	IS 2074
163	CHEMICAL- PAINTS & SURFACE COATING	Red Oxide Primer, Al Paints , Enamels Pai nts,Zinc Chromate Paint & Primers	Zinc Oxide	IS 2074
164	CHEMICAL- SOIL AND ROCK	Soil	Calcium Carbonate	IS2720 (P : 23)
165	CHEMICAL- SOIL AND ROCK	Soil	Ph Value	IS2720 (P : 26)
166	CHEMICAL- SOIL AND ROCK	Soil	Total Soluble Solids	IS 2720 (P : 21)
167	CHEMICAL- SOIL AND ROCK	Soil	Total Soluble Sulphate	IS2720 (P : 27)
168	CHEMICAL- SOLID FUELS	Coal	Ash	IS 1350 -1
169	CHEMICAL- SOLID FUELS	Coal	Fixed Carbon	IS 1350 -1
170	CHEMICAL- SOLID FUELS	Coal	Moisture	IS 1350 -1
171	CHEMICAL- SOLID FUELS	Coal	Volatile matter	IS 1350 -1

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172	CHEMICAL- WATER	Construction Water	Acidity	IS 3025 (Part 22)
173	CHEMICAL- WATER	Construction Water	Chloride (as cl)	IS 3025 (Part 32)
174	CHEMICAL- WATER	Construction Water	Inorganic	IS 3025 (Part 18)
175	CHEMICAL- WATER	Construction Water	Organic	IS 3025 (Part 18)
176	CHEMICAL- WATER	Construction Water	pH	IS 3025 (Part 11)
177	CHEMICAL- WATER	Construction Water	Sulphate (as so3)	IS 3025 (Part 24)
178	CHEMICAL- WATER	Construction Water	Suspended matter	IS 3025 (Part 18)
179	CHEMICAL- WATER	Drinking Water	Alkalinity	IS 3025 (Part 23)
180	CHEMICAL- WATER	Drinking Water	Chloride (as cl)	IS 3025 (Part 32)
181	CHEMICAL- WATER	Drinking Water	Inorganic	IS 3025 (Part 18)
182	CHEMICAL- WATER	Drinking Water	Organic	IS 3025 (Part 18)
183	CHEMICAL- WATER	Drinking Water	pH	IS 3025 (Part 11)
184	CHEMICAL- WATER	Drinking Water	Sulphate (as so3)	IS 3025 (Part 24)
185	CHEMICAL- WATER	Drinking Water	Suspended matter	IS 3025 (Part 18)
186	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	10% Fine Value	IS 2386 (Part -4)
187	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Crushing Value	IS 2386 (Part-4)
188	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Elongation Index	IS 2386(Part-1)
189	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Flakiness Index	IS :2386 (Part-1)
190	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Impact Value	IS 2386 (Part -4)
191	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Los Angles Abrasion Value	IS 2386 (Part-4)
192	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Sieve Analysis(4.75m to 125mm)	IS 2386 (Part-1)
193	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Specific gravity	IS:2386 (Part-3)
194	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Water absorption	IS 2386 (Part-3)
195	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Fine)	Bulk Density(Loose)	IS 2386 (Part-3)

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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
196	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Fine)	Bulk Density(Compacted)	IS 2386 (Part-3)
197	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Fine)	Sieve Analysis	IS 2386 (Part-1)
198	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Fine)	Specific gravity	IS 2386 (Part-3)
199	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Fine)	Water absorption	IS 2386 (Part-3)
200	MECHANICAL- BUILDINGS MATERIALS	Brunt Clay Bricks/ Fly Ash Bricks	Compressive Strength	IS 3495 (Part 1)
201	MECHANICAL- BUILDINGS MATERIALS	Brunt Clay Bricks/ Fly Ash Bricks	Dimension(Height)	IS 1077
202	MECHANICAL- BUILDINGS MATERIALS	Brunt Clay Bricks/ Fly Ash Bricks	Dimension(Length)	IS 1077
203	MECHANICAL- BUILDINGS MATERIALS	Brunt Clay Bricks/ Fly Ash Bricks	Dimension(Width)	IS 1077
204	MECHANICAL- BUILDINGS MATERIALS	Brunt Clay Bricks/ Fly Ash Bricks	Efflorescence	IS 3495 (Part 3)
205	MECHANICAL- BUILDINGS MATERIALS	Brunt Clay Bricks/ Fly Ash Bricks	water Absorption	IS 3495 (Part 2)
206	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, PSC)	Compressive Strength	IS 4031 (Part 6)
207	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, PSC)	Consistency	IS 4031 (Part 4)
208	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, PSC)	Density Test	IS 4031(Part 11)
209	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, PSC)	Final Setting Time	IS 4031 (Part 5)
210	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, PSC)	Fineness by Blain air permeability	IS 4031 (Part 2)
211	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, PSC)	Soundness	IS 4031 (Part 3)
212	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC, PPC, PSC)	Soundness By Autocave	IS 4031 (Part 3)
213	MECHANICAL- BUILDINGS MATERIALS	Cement(OPC, PPC, PSC)	Initial Setting Time	IS 4031 (Part 5)
214	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates.	Bulk Density	IS 2386 Part 3

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215	MECHANICAL- BUILDINGS MATERIALS	Hardened concrete	Compresive Strengh	IS 516
216	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	Bend Test	IS 1599
217	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	Elongation(%)	IS 1608 (Part 1)
218	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	Rebend test	IS 1786
219	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys(Steel, Plate, Pipes& Tubes)	Dimension(Depth, Flange width, Thickness of Web , Thickness of flange)	IS 808
220	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasterner/Bolt	Ultimate Tensile strength	IS 1367 (Part 3) Cl 8.2
221	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous material,Fusion Weld	Transverse Bend Test	ASME Sec IX
222	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fusion welded Ferrous Materials	Face bend test,Root bend test,Side bend Test	ASME SEC IX
223	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fusion welded Ferrous Materials	Face bend test,Root bend test,Side bend Test	IS 3600 (Part 5 & 6)
224	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fusion welded Ferrous Materials	Fillet - Weld	ASME (SEC IX)
225	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fusion welded Ferrous Materials	Fillet - Weld Fracture test	IS 3600 (Part 8)
226	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys (Ferrous & Non-Ferrous)	Nominal mass (TMT)	IS 1786
227	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	% of Elongation	ASTM E8
228	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	% Reduction in area	ASTM E8

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229	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	% Reduction in area	ISO 6892 (Part 1)
230	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	%Reduction in area	IS 1608 (part 1)
231	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	0.2 % Proof stress	IS 1608 (Part 1)
232	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	0.2 % Proof Stress	ISO 6892 (Part 1)
233	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	Bend Test	ASME BPVC IX
234	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	Charpy Impact Test (V) notch - (-30 °C, 0 °C and Room Temperature)	IS 1757 (Part 1)
235	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	Flattening test (Steel pipes & tubes)	IS 2328
236	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	Flattening test (Steel pipes & tubes)	ISO 8492
237	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	Hardness test (HRB)	IS 1586 (Part 1)
238	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	Rockwell hardness HRBW	IS 1586 (Part 1)
239	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	Tensile test	IS 1608 (Part 1)
240	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	Ultimate Tensile Strength	ASTM E8
241	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	Yield Strength	ASTM E8
242	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys	Yield Strength	IS 1608 (Part 1)

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243	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals,alloys & Product	Hardness test (HB)	IS 1586 (Part 1)
244	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals,alloys & Product	Rockwell hardness HRBW	IS 1586 (Part 1)
245	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Steel Pate& Pipe	Transverse Tensile test	ASME Sec IX
246	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded steel plate & Pipe	Transverse side Bend test	ASME (SEC IX)
247	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded steel plate & Pipe	Transverse side Bend test	ASME Section IX
248	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Steel Plate and Pipe	Transverse Tensile test	ASME Section IX
249	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Steel Plates & Pipes	% of Elongation	ASME Section IX
250	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Steel Plates & Pipes	Longitudinal Tensile testing on cylindrical test piece	ASME Section IX
251	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded steel Plates & Pipes	Tensile strength	ASME Section IX
252	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded steel Plates and Pipes	Yield Strength	ASME section IX
253	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Test Specimens	Bend Test	ASME BPVC IX
254	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS 2720 (Part-16)
255	MECHANICAL- SOIL AND ROCK	Soil	Compact Test: Heavy Compaction (MDD)	IS 2720 (Part-8)
256	MECHANICAL- SOIL AND ROCK	Soil	Compact Test: Light Compaction (MDD)	IS 2720 (Part-7)
257	MECHANICAL- SOIL AND ROCK	Soil	Compact Test: Light Compaction (OMC)	IS 2720 (Part-7)

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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
258	MECHANICAL- SOIL AND ROCK	Soil	Compact Test:Heavy Compaction (OMC)	IS 2720 (Part-8)
259	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test	IS 2720 (Part 13)
260	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part-5)
261	MECHANICAL- SOIL AND ROCK	Soil	Moisture Content	IS 2720 (Part-2)
262	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part-5)
263	MECHANICAL- SOIL AND ROCK	Soil	Sieve Analysis	IS 2720 (Part-4)
264	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part-3, Sec-1)

National Accreditation Board for Testing and Calibration Laboratories

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Site Facility				
1	MECHANICAL- SOIL AND ROCK	Soil	Core cutter test	IS 2720 (Part XXIX)
2	MECHANICAL- SOIL AND ROCK	Soil	Field Density (Sand Replacement)	IS 2720 (Part XXVIII)