National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : HIND HEAT TREATMENT AND TESTING HOUSE, H-37 (B), CHAMBAL INDUSTRIAL AREA, KOTA, RAJASTHAN, 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	Aggregate	Alkali Reactivity (Chemical Method)	IS 2386 (Part 7)
2	CHEMICAL- BUILDING MATERIAL	Aggregate	Soluble Sulphate (as SO3)	IS 4032
3	CHEMICAL- BUILDING MATERIAL	Aggregate	Water Soluble Chloride	IS 14959 (Part 2)
4	CHEMICAL- BUILDING MATERIAL	Aggregates	Organic impurities	IS 2386 (part 2)
5	CHEMICAL- BUILDING MATERIAL	Bitumen Testing	Solubility in TCE	IS 1216
6	CHEMICAL- BUILDING MATERIAL	Cement	Aluminium as Al2O3	IS 4032
7	CHEMICAL- BUILDING MATERIAL	Cement	Calcium as CaO	IS 4032
8	CHEMICAL- BUILDING MATERIAL	Cement	Chloride as Cl	IS 4032
9	CHEMICAL- BUILDING MATERIAL	Cement	Insoluble Residue	IS 4032
10	CHEMICAL- BUILDING MATERIAL	Cement	Iron as Fe2O3	IS 4032
11	CHEMICAL- BUILDING MATERIAL	Cement	Loss on Ignition	IS 4032
12	CHEMICAL- BUILDING MATERIAL	Cement	Magnesium as MgO	IS 4032
13	CHEMICAL- BUILDING MATERIAL	Cement	Potassium as K2O	IS 4032
14	CHEMICAL- BUILDING MATERIAL	Cement	Silica as Sio2	IS 4032
15	CHEMICAL- BUILDING MATERIAL	Cement	Sodium as Na2O	IS 4032
16	CHEMICAL- BUILDING MATERIAL	Cement	Sulphate as SO3	IS 4032
17	CHEMICAL- BUILDING MATERIAL	Concrete	Rapid Chloride Permeability Test	ASTM C 1202
18	CHEMICAL- BUILDING MATERIAL	Concrete	Water and Acid Soluble Chloride	IS 14959 (Part 1 & 2)

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19	CHEMICAL- BUILDING MATERIAL	Concrete	Water Soluble Sulphate	IS 3025 (Part 24)
20	CHEMICAL- BUILDING MATERIAL	Concrete Admixture	Ash Content	IS 9103
21	CHEMICAL- BUILDING MATERIAL	Concrete Admixture	Chloride	IS 6925
22	CHEMICAL- BUILDING MATERIAL	Concrete Admixture	Dry Material Content	IS 9103
23	CHEMICAL- BUILDING MATERIAL	Concrete Admixture	pH	IS 9103
24	CHEMICAL- BUILDING MATERIAL	Concrete Admixture	Relative Density	IS 9103
25	CHEMICAL- BUILDING MATERIAL	Emulsion	Miscibility with Water	IS 8887
26	CHEMICAL- BUILDING MATERIAL	Emulsion	Solubility in Trichloroethylene	IS 1216
27	CHEMICAL- BUILDING MATERIAL	Fly Ash, Pozzolanic & Clay	Aluminium as Al2O3	IS 1727
28	CHEMICAL- BUILDING MATERIAL	Fly Ash, Pozzolanic & Clay	Calcium as CaO	IS 1727
29	CHEMICAL- BUILDING MATERIAL	Fly Ash, Pozzolanic & Clay	Chloride as Cl	IS 4032
30	CHEMICAL- BUILDING MATERIAL	Fly Ash, Pozzolanic & Clay	Iron as Fe2O3	IS 1727
31	CHEMICAL- BUILDING MATERIAL	Fly ash, Pozzolanic & Clay	Loss on Ignition	IS 1727
32	CHEMICAL- BUILDING MATERIAL	Fly Ash, Pozzolanic & Clay	Magnesium as MgO	IS 1727
33	CHEMICAL- BUILDING MATERIAL	Fly Ash, Pozzolanic & Clay	Potassium as K2O	IS 3812 (Part 1)
34	CHEMICAL- BUILDING MATERIAL	Fly Ash, Pozzolanic & Clay	Silica as SiO2	IS 1727
35	CHEMICAL- BUILDING MATERIAL	Fly Ash, Pozzolanic & Clay	Sodium as Na2O	IS 3812 (Part 1)
36	CHEMICAL- BUILDING MATERIAL	Fly Ash, Pozzolanic & Clay	Sulphate as SO3	IS 1727

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37	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Metallic sheets	Thickness of Anodizing Coating Thickness	IS 5523
38	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Mettallic Coatings Zinc Coating on Steel Products	Mass of Zinc Coating	IS 6745
39	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon (C)	IS 15338
40	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium (Cr)	IS 15338
41	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper (Cu)	IS 15338
42	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese (Mn)	IS 15338
43	CHEMICAL- METALS & ALLOYS	Cast Iron	Molybdenum (Mo)	IS 15338
44	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel (Ni)	IS 15338
45	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorous (P)	IS 15338
46	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon (Si)	IS 15338
47	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulphur (S)	IS 15338
48	CHEMICAL- METALS & ALLOYS	Cast Iron	Titanium (Ti)	IS 15338
49	CHEMICAL- METALS & ALLOYS	Cast Iron	Vanadium (V)	IS 15338
50	CHEMICAL- METALS & ALLOYS	Copper Alloys	Aluminium (Al)	BS EN 15079
51	CHEMICAL- METALS & ALLOYS	Copper Alloys	Iron (Fe)	BS EN 15079
52	CHEMICAL- METALS & ALLOYS	Copper Alloys	Lead (Pb)	BS EN 15079
53	CHEMICAL- METALS & ALLOYS	Copper Alloys	Manganese (Mn)	BS EN 15079
54	CHEMICAL- METALS & ALLOYS	Copper Alloys	Nickel (Ni)	BS EN 15079

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55	CHEMICAL- METALS & ALLOYS	Copper Alloys	Phosphorus (P)	BS EN 15079
56	CHEMICAL- METALS & ALLOYS	Copper Alloys	Silicon (Si)	BS EN 15079
57	CHEMICAL- METALS & ALLOYS	Copper Alloys	Tin (Sn)	BS EN 15079
58	CHEMICAL- METALS & ALLOYS	Copper Alloys	Zinc (Zn)	BS EN 15079
59	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Aluminium (Al)	ASTM E415
60	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Aluminium (Al)	IS 8811
61	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Boron (B)	ASTM E415
62	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Boron (B)	IS 8811
63	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Carbon (C)	ASTM E415
64	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Carbon (C)	IS 8811
65	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Chromium (Cr)	ASTM E415
66	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Chromium (Cr)	IS 8811
67	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Copper (Cu)	ASTM E415
68	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Copper (Cu)	IS 8811
69	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Manganese (Mn)	ASTM E415
70	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Manganese (Mn)	IS 8811
71	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Molybdenum (Mo)	ASTM E415
72	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Molybdenum (Mo)	IS 8811
73	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Nickel (Ni)	ASTM E415

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74	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Nickel (Ni)	IS 8811
75	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Phosphorous (P)	ASTM E415
76	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Phosphorous (P)	IS 8811
77	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Silicon (Si)	ASTM E415
78	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Silicon (Si)	IS 8811
79	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Sulphur (S)	ASTM E415
80	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Sulphur (S)	IS 8811
81	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Vanadium (V)	ASTM E415
82	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Vanadium (V)	IS 8811
83	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Stainless Steel & Cast Iron	Carbon (C)	IS 228 (Part 1)
84	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Stainless Steel & Cast Iron	Chromium (Cr)	IS 228 (Part 6)
85	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Stainless Steel & Cast Iron	Manganese (Mn)	IS 228 (Part 2)
86	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Stainless Steel & Cast Iron	Molybdenum (Mo)	IS 228 (Part 7)
87	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Stainless Steel & Cast Iron	Nickle (Ni)	IS 228 (Part 5)
88	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Stainless Steel & Cast Iron	Phosphorous (P)	IS 228 (Part 3)
89	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Stainless Steel & Cast Iron	Silicon (Si)	IS 228 (Part 8)
90	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Stainless Steel & Cast Iron	Sulphur (S)	IS 228 (Part 9)
91	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon (C)	ASTM E1086
92	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon (C)	IS 9879

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93	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium (Cr)	ASTM E1086
94	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium (Cr)	IS 9879
95	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper (Cu)	ASTM E1086
96	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper (Cu)	IS 9879
97	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese (Mn)	ASTM E1086
98	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese (Mn)	IS 9879
99	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum (Mo)	ASTM E1086
100	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum (Mo)	IS 9879
101	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel (Ni)	ASTM E1086
102	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel (Ni)	IS 9879
103	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorous (P)	ASTM E1086
104	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorous (P)	IS 9879
105	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon (Si)	ASTM E1086
106	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon (Si)	IS 9879
107	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur (S)	ASTM E1086
108	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur (S)	IS 9879
109	CHEMICAL- METALS & ALLOYS	Stainless Steel	Titanium (Ti)	IS 9879
110	CHEMICAL- METALS & ALLOYS	Stainless Steel	Vanadium (V)	IS 9879
111	CHEMICAL- WATER	Water	Acidity by 0.02N NaOH	IS 3025 (Part 22)
112	CHEMICAL- WATER	Water	Alkalinity by 0.02N H2SO4	IS 3025 (Part 23)

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113	CHEMICAL- WATER	Water	Chloride	IS 3025 (Part 32)
114	CHEMICAL- WATER	Water	Inorganic Matter	IS 3025 (Part 18)
115	CHEMICAL- WATER	Water	Organic Matter	IS 3025 (Part 18)
116	CHEMICAL- WATER	Water	pH Value	IS 3025 (Part 11)
117	CHEMICAL- WATER	Water	Sulphate as SO4	IS 3025 (Part 24)
118	CHEMICAL- WATER	Water	Total Suspended Matter	IS 3025 (Part 17)
119	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Aerated Block	Compressive Strength	IS 6441:part 5
120	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Aerated Concrete Block	Moisture Content	IS 6441:Part 1
121	MECHANICAL- BUILDINGS MATERIALS	Autoclaves Aerated concrete block	Bulk Density	IS 6441: Part 1
122	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Absolute Viscosity at 60°C	IS 1206 (Part 2)
123	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility Test at 25°C	IS 1208
124	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Flash Point Test (Cleveland Open Cup)	IS 1448 (Part 69)
125	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Kinematic Viscosity at135°C	IS 1206 (Part 3)
126	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration at (25°C, 100g, 5s in 0.1mm)	IS 1203
127	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point (R & B)	IS 1205
128	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix	Binder Content by Centrifuge Extraction	IRC SP 11: 1984; Appendix 5, Cl. C
129	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix	Bulk Specific Gravity	ASTM D 2726
130	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix	Flow	ASTM D 6927
131	MECHANICAL- BUILDINGS MATERIALS	Bitumen Mix	Marshall Stability	ASTM D 6927
132	MECHANICAL- BUILDINGS MATERIALS	Bricks	Compressive Strength	IS 3495 (Part 1)
133	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension (Height)	IS 3495 (Part 4)

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134	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension (Length)	IS 3495 (Part 4)
135	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension (Width)	IS 3495 (Part 4)
136	MECHANICAL- BUILDINGS MATERIALS	Bricks	Efflorescence	IS 3495 (Part 3)
137	MECHANICAL- BUILDINGS MATERIALS	Bricks	Water Absorption	IS 3495 (Part 2)
138	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Breaking Strength	IS 13630 (Part 6)
139	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Bulk Density	IS 13630 (Part 2)
140	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Dimension (Length and Width)	IS 13630:Part 1
141	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Modulus of Rupture	IS 13630 (Part 6)
142	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Moisture Expansion	IS 13630 (Part 3)
143	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Resistance to Acid and Alkalies	IS 13630 (Part 7 & 8)
144	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Resistance to Household Chemicals	IS 13630 (Part 7 & 8)
145	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Scratch Hardness	IS 13630:Part 13
146	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Thermal Shock Resistance	IS 13630 (Part 5)
147	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Water Absorption	IS 13630:Part 2
148	MECHANICAL- BUILDINGS MATERIALS	Ceramoic Tiles	Dimension (Thickness)	IS 13630:Part 1
149	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 (Part 3)
150	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)
151	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Deleterious Matter Aggregate & Organic Impurities	IS 2386 (Part 2)
152	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4)

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153	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Percentage of Clay and Fine Silt or Fine Dust (Sedimentation Method)	IS 2386:Part 2
154	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Stripping Value	IS 6241
155	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Abrasion Value	IS 2386 (Part 4)
156	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Elongation Index	IS 2386 (Part 1)
157	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Flakiness Index	IS 2386 (Part 1)
158	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Sieve Analysis (Sieve Size: 100 mm to 1.7 mm)	IS 2386 (Part 1)
159	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Soundness	IS 2386 (Part 5)
160	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Specific Gravity	IS 2386 (Part 3)
161	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Ten Percent Fine Value	IS 2386 (Part 4)
162	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Water Absorption	IS 2386 (Part 3)
163	MECHANICAL- BUILDINGS MATERIALS	Concrete	Core Testing	IS 1199
164	MECHANICAL- BUILDINGS MATERIALS	Concrete	Core Testing	IS 516
165	MECHANICAL- BUILDINGS MATERIALS	Concrete	Permeability Test	IS 516 (Part 2):Sec 1
166	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube	Compressive Strength	IS 516
167	MECHANICAL- BUILDINGS MATERIALS	Concrete Mixers	Air Content of Fresh Concrete By Water Column Method	IS 1199:Part 4
168	MECHANICAL- BUILDINGS MATERIALS	Emulsion	Test on Residue (Penetration 25°C,100g, 5s)	IS 1203
169	MECHANICAL- BUILDINGS MATERIALS	Emulsion	Test on Residue (Ductility 27C/cm)	IS 1208
170	MECHANICAL- BUILDINGS MATERIALS	Emulsion (Cationic)	Coagulation of Emulsion	IS 8887

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171	MECHANICAL- BUILDINGS MATERIALS	Emulsion (Cationic)	Miscibility with Water	IS 8887
172	MECHANICAL- BUILDINGS MATERIALS	Emulsion (Cationic)	Particle Charge	IS 8887
173	MECHANICAL- BUILDINGS MATERIALS	Emulsion (Cationic)	Residue on 600 micron	IS 8887
174	MECHANICAL- BUILDINGS MATERIALS	Emulsion (Cationic)	Storage Stability	IS 8887
175	MECHANICAL- BUILDINGS MATERIALS	Emulsion (Cationic)	Test on Residue (Residue by Evaporation)	IS 8887
176	MECHANICAL- BUILDINGS MATERIALS	Emulsion (Cationic)	Viscosity by Saybolt Furol Viscometer 25 & 50C	IS 8887
177	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS 2386 (Part 3)
178	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulking of Sand	IS 2386 Part 3
179	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Deleterious Matter	IS 2386 (Part 2)
180	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Percentage of Clay and Fine Silt or Fine Dust (Sedimentation Method)	IS 2386:Part 2
181	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (Sieve Size: 4.75 mm to 75 microns)	IS 2386 (Part 1)
182	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Silt Contant	IS 2386 (Part 2)
183	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness	IS 2386 (Part 5)
184	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
185	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
186	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Compressive Strength at 28 days	IS 1727
187	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Fineness	IS 1727
188	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Lime Reactivity	IS 1727

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189	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Particles Retained on 45 micron IS Sieve	IS 1727
190	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Soundness by Autoclave	IS 1727
191	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete Mix	Workability by Slump Cone	IS 1199
192	MECHANICAL- BUILDINGS MATERIALS	HARDENED CONCRETE	Flexural Strength	IS 516 Part 1 Sec 1
193	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement (Grouting Compound GP/GP 2)	Compressive strength	ASTM C109
194	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement (Grouting Compound GP/GP 2)	Final setting time	ASTM C191
195	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement (Grouting Compound GP/GP 2)	Flow Consistency	ASTM C-1437
196	MECHANICAL- BUILDINGS MATERIALS	Hydraulic Cement (Grouting Compound GP/GP 2)	Initial setting time	ASTM C191
197	MECHANICAL- BUILDINGS MATERIALS	OPC 33 Gr 43 Gr 53 Gr	Final Setting Time	IS 4031 (Part 5)
198	MECHANICAL- BUILDINGS MATERIALS	OPC 33 Gr 43 Gr 53 Gr	Fineness	IS 4031 (Part 2)
199	MECHANICAL- BUILDINGS MATERIALS	OPC 33 gr, 43 gr, 53 gr	Density	IS 4031 Part 11
200	MECHANICAL- BUILDINGS MATERIALS	OPC 33 Gr, OPC 43 Gr, OPC 53 Gr	Compressive Strength	IS 4031 (Part 6)
201	MECHANICAL- BUILDINGS MATERIALS	OPC 33 Gr, OPC 43 Gr, OPC 53 Gr	Consistency	IS 4031 (Part 4)
202	MECHANICAL- BUILDINGS MATERIALS	OPC 33 Gr, OPC 43 Gr, OPC 53 Gr	Soundness (By Auto Clave Method)	IS 4031 (Part 3)
203	MECHANICAL- BUILDINGS MATERIALS	OPC 33 Gr, OPC 43 Gr, OPC 53 Gr	Soundness (Le-Chatelier)	IS 4031 (Part 3)
204	MECHANICAL- BUILDINGS MATERIALS	OPC 33, OPC 43 Gr, OPC 53 Gr	Initial Setting Time	IS 4031 (Part 5)
205	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Water Absorption	IS 15658
206	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Abrasion Resistance of Wearing Layer	IS 15658
207	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Compressive Strength	IS 15658

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208	MECHANICAL- BUILDINGS MATERIALS	PPC-Fly Ash Calcined Clay Based	Density	IS 4031 Part 11
209	MECHANICAL- BUILDINGS MATERIALS	PPC-Fly Ash-Calcined Clay Based	Compressive Strength	IS 4031 (Part 6)
210	MECHANICAL- BUILDINGS MATERIALS	PPC-Fly Ash-Calcined Clay Based	Consistency	IS 4031 (Part 4)
211	MECHANICAL- BUILDINGS MATERIALS	PPC-Fly Ash-Calcined Clay Based	Drying Shrinkage	IS 4031 (Part 10)
212	MECHANICAL- BUILDINGS MATERIALS	PPC-Fly Ash-Calcined Clay Based	Final Setting Time	IS 4031 (Part 5)
213	MECHANICAL- BUILDINGS MATERIALS	PPC-Fly Ash-Calcined Clay Based	Fineness	IS 4031 (Part 2)
214	MECHANICAL- BUILDINGS MATERIALS	PPC-Fly Ash-Calcined Clay Based	Initial Setting Time	IS 4031 (Part 5)
215	MECHANICAL- BUILDINGS MATERIALS	PPC-Fly Ash-Calcined Clay Based	Soundness (By Auto Clave Method)	IS 4031 (Part 3)
216	MECHANICAL- BUILDINGS MATERIALS	PPC-Fly Ash-Calcined Clay Based	Soundness (Le-Chatelier)	IS 4031 (Part 3)
217	MECHANICAL- BUILDINGS MATERIALS	Tiles (Cement Concrete Flooring)	Resistance to Wear	IS 1237
218	MECHANICAL- BUILDINGS MATERIALS	Tiles (Cement Concrete flooring)	Water Absorption	IS 1237
219	MECHANICAL- BUILDINGS MATERIALS	Tiles (Cement Concrete Flooring)	Wet Transverse Strength	IS 1237
220	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Bolt	Proof load	IS 1367 Part 3
221	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Drift Expanding Test	Drift Expanding Test 30°, 45°, 60° for Pipes	IS 2335
222	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous materials, alloys & products	Dimension Test - Angle	Profile Projector - SOP No HHT/DT/001
223	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous materials, alloys & products	Dimension Test - Length, Diameter, Thickness	Micrometer - SOP No HHT/DT/001
224	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous materials, alloys & products	Dimension Test - Length, Diameter, Thickness	Vernier - SOP No- HHT/DT/001

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225	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous materials, alloys & products	Dimension Test - Length, Diameter,Thickness, Height	VMM - SOP No - HHT/DT/001
226	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Tubes and Pipes	Flattening Test	ASTM A370
227	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Tubes and Pipes	Flattening Test	IS 2328
228	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HT Strand Wire	Diameter of Centre Wire	IS 1608 (Part 1)
229	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HT Strand Wire	Lay Length	IS 14268
230	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HT Strand Wire	Mass per Meter	IS 14268
231	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HT Strand Wire	Nominal Dia	IS 1608 (Part 1)
232	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Nuts	Proof Load Test	IS 1367 Part 6
233	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Bar	% Elongation	IS 1608 (Part 1)
234	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Bar	Bend Test	IS 1599
235	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Bar	Mass per Meter	IS 1786
236	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Bar	Re-Bend Test	IS 1786
237	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Bar	Tensile strength	IS 1608 (Part 1)
238	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Bar	Yield Strength	IS 1608 (Part 1)

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239	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structal Steel (Plates, Angle, Channels, Beams, Pipe) Steel Casting	Brinell Hardness	IS 1500 (Part 1)
240	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structal Steel (Plates, Angle, Channels, Beams, Pipe) Steel Casting	Vickers Hardness	IS 1501 (Part 1)
241	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structal Steel (Plates, Angle, Channels, Beams, Pipe) Steel Casting	Vickers Hardness	IS 1501 (Part 1)
242	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel	Rockwell Hardness	IS 1586 (Part 1)
243	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel	Rockwell Hardness	IS 1586 (Part 1)
244	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel	Rockwell Hardness	IS 1586 (Part 1)
245	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel (Plates, Angle, Channels, Beams, Pipe etc) Steel Casting	% Elongation	IS 1608 Part 1
246	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel (Plates, Angle, Channels, Beams, Pipe) Steel Casting	% Elongation	ASTM A370
247	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel (Plates, Angle, Channels, Beams, Pipe) Steel Casting	Bend Test	IS 1599
248	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel (Plates, Angle, Channels, Beams, Pipe) Steel Casting	Charpy Impact Test (-50°C to 35°C)	EIL Spec No 6-77-0006
249	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel (Plates, Angle, Channels, Beams, Pipe) Steel Casting	Charpy Impact Test (-50°C to 35°C)	IS 1757 (Part 1)
250	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel (Plates, Angle, Channels, Beams, Pipe) Steel Casting	Tensile strength	ASTM A370
251	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel (Plates, Angle, Channels, Beams, Pipe) Steel Casting	Tensile strength	IS 1608 (Part 1)
252	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel (Plates, Angle, Channels, Beams, Pipe) Steel Casting	Vickers Hardness	IS 1501 (Part 1)

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253	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel (Plates, Angle, Channels, Beams, Pipe) Steel Casting	Yield Strength	ASTM A370
254	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel (Plates, Angle, Channels, Beams, Pipe) Steel Casting	Yield Strength	IS 1608 (Part 1)
255	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel (Plates, Angle, Channels, Beams, Pipes) Steel Casting	Bend Test	ASTM A370
256	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel (Plates, Angle, Channels, Beams, Pipes) Steel Casting	Tensile strength	ASME Sec. IIA
257	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel (Plates, Angle, Channels, Beams, Pipes) Steel Casting	Yield Strength	ASME Sec IIA
258	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Structural Steel/ Welded Pipe & Plate	Tensile Strength	IS 1608 (Part 1)
259	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Pipe & Plate	Brinell Hardness	IS 1500 (Part 1)
260	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Pipe & Plate	Charpy Impact Test (At -50°C to 35°C)	EIL Spec No 6-77-0006
261	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Pipe & Plate	Rockwell Hardness	IS 1586 (Part 1)
262	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Pipe & Plate	Rockwell Hardness	IS 1586 (Part 1)
263	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Pipe & Plate	Rockwell Hardness	IS 1586 (Part 1)
264	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Pipe & Plate (PQR & WPS)	Bend Test	IBR
265	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Pipe & Plate (PQR & WPS)	Hot cracking Test	IBR
266	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Pipe & Plate (PQR & WPS)	Nick Brack Test	IS 2825

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267	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Pipe & Plates	Charpy Impact Test (-50°C to 35°C)	IS 1757 (Part 1)
268	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Plates and Pipe (PQR & WPS)	Bend Test	API 1104
269	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Plates and Pipe (PQR & WPS)	Bend Test	ASME Sec- IX
270	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Plates and Pipe (PQR & WPS)	Bend Test	AWS D1.1/ D1.1 M
271	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Plates and Pipe (PQR & WPS)	Fracture Test	ASME Sec IX
272	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Plates and Pipe (PQR & WPS)	Fracture Test	ASME Sec-II (Part C)
273	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Plates and Pipe (PQR & WPS)	Fracture Test	IS 2825
274	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Plates and Pipe (PQR & WPS)	Nick Break Test	API 1104
275	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	Inter Granuler Corrosion Test (Practice-E)	ASTM A262 (Practice E)
276	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non ferrous (Aluminium and Copper) materials, alloys & products (Coated and Plated products)	Local thickness of Electroplated coatings	IS 3203
277	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials, Alloys & Products (Bloom Forging and Casting)	Macro Structural Analysis	IS 11371
278	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials, Alloys & Products (Bloom Forging and Casting)	Macro Structural Analysis	IS 13015
279	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Determination of Depth of Decarburization by Microscopic method	IS 6396
280	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Determination of Non-Metallic Inclusions Rating by "Method A	IS 4163
281	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials, Alloys & Products	Estimation of Average Grain Size-Comparison Method	IS 4748

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282	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials, Alloys & Products	Micro Structural Analysis	ASM Hand Book (Volume 9)
283	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel	Inter Granuler Corrosion Test (Practice A)	ASTM A262 (Practice-A)
284	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel	Inter Granuler Corrosion Test (Practice C) One cycle/ Two cycle/ Five cycle of 48 h / 96 h	ASTM A 262 Practice C
285	MECHANICAL-METALLOGRAPHY TEST	Welded Plates and Pipe (PQR & WPS)	Macro	API 1104
286	MECHANICAL-METALLOGRAPHY TEST	Welded Plates and Pipe (PQR & WPS)	Macro	ASME Sec IX
287	MECHANICAL-METALLOGRAPHY TEST	Welded Plates and Pipe (PQR & WPS)	Macro	AWS D1.1/ D1.1 M
288	MECHANICAL-METALLOGRAPHY TEST	Welded Plates and Pipe (PQR & WPS)	Macro	IS 2825
289	MECHANICAL- SOIL AND ROCK	Bentonite	Liquid Limit	IS 2720:Part 5
290	MECHANICAL- SOIL AND ROCK	Bentonite	Moisture Content	IS 12446
291	MECHANICAL- SOIL AND ROCK	Bentonite	Swelling Index	IS 2720:Part 40
292	MECHANICAL- SOIL AND ROCK	Granular Sub Base	Coefficient of Permeability	IS 2720:Part 17
293	MECHANICAL- SOIL AND ROCK	Rock	Brazilian Tensile Strength	IS 10082
294	MECHANICAL- SOIL AND ROCK	Rock	Density	IS 13030
295	MECHANICAL- SOIL AND ROCK	Rock	Modulus of elasticity	IS 9221
296	MECHANICAL- SOIL AND ROCK	Rock	Moisture Content & Water Absorption	IS 13030
297	MECHANICAL- SOIL AND ROCK	Rock	Scratch Hardness	ASTM C235
298	MECHANICAL- SOIL AND ROCK	Rock	Slake Durability Index	IS 10050
299	MECHANICAL- SOIL AND ROCK	Rock	Specific Gravity	IS 1122

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300	MECHANICAL- SOIL AND ROCK	Rock	Triaxial Test	IS 13047
301	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compressive Strength	IS 9143
302	MECHANICAL- SOIL AND ROCK	Sand Stones	Durability	IS 1126
303	MECHANICAL- SOIL AND ROCK	Sand Stones	Resistance to Wear	IS 1706
304	MECHANICAL- SOIL AND ROCK	Sand Stones/ Stones	Compressive Strength	IS 1121 (part 1)
305	MECHANICAL- SOIL AND ROCK	Sand Stones/ Stones	Water Absorption	IS 1124
306	MECHANICAL- SOIL AND ROCK	Sand Stones/ Stones	Wet Transverse Strength	IS 1121 (Part 2)
307	MECHANICAL- SOIL AND ROCK	Soil	unconsolidated undrained triaxial compression without the measurement of pore water pressure	IS 2720:Part 11
308	MECHANICAL- SOIL AND ROCK	Soil	Atterberg Limit: Liquid Limit	IS 2720 (Part 5)
309	MECHANICAL- SOIL AND ROCK	Soil	Atterberg Limit: Plastic Limit	IS 2720 (Part 5)
310	MECHANICAL- SOIL AND ROCK	Soil	CBR California Bearing Ratio (Soaked, Un-Soaked)	IS 2720 (Part 16)
311	MECHANICAL- SOIL AND ROCK	Soil	Coefficient of Permeability	IS 2720:part 17
312	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (Vertical Stress upto 4.0 kg/cm² & Shearing Load upto 250 kg	IS 2720 (Part 13)
313	MECHANICAL- SOIL AND ROCK	Soil	Free Swelling Index	IS 2720 (Part 40)
314	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis: Hydrometer (75 micron to 1 micron)	IS 2720 (Part 4)
315	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis: Sieve Analysis (100 mm to 4.75 mm)	IS 2720 (Part 4)
316	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis: Wet Sieve Analysis (4.75 mm to 75 mm)	IS 2720 (Part 4)

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317	MECHANICAL- SOIL AND ROCK	Soil	Proctor Compaction Test (Heavy Compaction Density)	IS 2720 (Part 8)
318	MECHANICAL- SOIL AND ROCK	Soil	Proctor Compaction Test (Light Compaction Moisture Content	IS 2720 (Part 7)
319	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720 (Part 6)
320	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3, Sec 1)
321	MECHANICAL- SOIL AND ROCK	Soil	Swelling Pressure	IS 2720 (Part 41)
322	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compressive strength	IS 2720 Part 10
323	MECHANICAL- SOIL AND ROCK	Stones	Point Load Index	IS 8764
324	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Ultra Sonic Pulse Velocity Test	IS 516:part 5:Sec 1

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Site Facility				
1	MECHANICAL- SOIL AND ROCK	Dry Density of Soils In-place by the Core-cutter Method	Dry Density of Soils In-place by the Core-cutter Method	IS 2720 Part 29
2	MECHANICAL- SOIL AND ROCK	Dry density of soils, in-place, by the sand replacement method	Dry density of soils, in-place, by the sand replacement method	IS 2720 : Part 28
3	MECHANICAL- SOIL AND ROCK	Plate Load Test	Test Performed by Load Reaction Taken by Plate: 300 mm to 600 mm	IS 1888
4	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Carbonation Test	BS 1881:Part 201
5	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Cover Meter Test	BS 1881 :Part 204
6	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Half Cell Potentiometer Test	ASTM C876
7	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Rebound Hammer Test	IS 13311:Part 2
8	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Ultra Sonic Pulse Velocity Test	IS 516:part 5:Sec 1