National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : VAIDIC TEST HOUSE, PLOT NO 173, SECTOR-3, INDUSTRIAL GROWTH CENTER,HSIIDC, BAWAL, REWARI, HARYANA, 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 Materials 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	Reduction in Alkalinity	IS 2386 (Part 7) (Titration)
7	CHEMICAL- BUILDING MATERIAL	Aggregate	Silica Released	IS 2386 (Part 7) (Gravimetric Method)
8	CHEMICAL- BUILDING MATERIAL	Cement (OPC,PPC & PSC)	Alumina	IS 4032
9	CHEMICAL- BUILDING MATERIAL	Cement (OPC,PPC & PSC)	Calcium oxide	IS 4032
10	CHEMICAL- BUILDING MATERIAL	Cement (OPC,PPC & PSC)	Chlorides	IS 4032
11	CHEMICAL- BUILDING MATERIAL	Cement (OPC,PPC & PSC)	Insoluble Residue	IS 4032
12	CHEMICAL- BUILDING MATERIAL	Cement (OPC,PPC & PSC)	Iron oxide	IS 4032
13	CHEMICAL- BUILDING MATERIAL	Cement (OPC,PPC & PSC)	Magnesium oxide	IS 4032
14	CHEMICAL- BUILDING MATERIAL	Cement (OPC,PPC & PSC)	Silica	IS 4032
15	CHEMICAL- BUILDING MATERIAL	Cement (OPC,PPC & PSC)	Sulphuric Anhydride	IS 4032
16	CHEMICAL- BUILDING MATERIAL	Cement (OPC,PPC, and PSC)	Loss on Ignition	IS 4032
17	CHEMICAL- BUILDING MATERIAL	Cement Concrete	Chloride	IS 14959 (Part-2)
18	CHEMICAL- BUILDING MATERIAL	Fly Ash	Aluminum oxide (Al2O3) + iron oxide (Fe2O3)	IS 1727

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19	CHEMICAL- BUILDING MATERIAL	Fly Ash	Loss on Ignition	IS 1727
20	CHEMICAL- BUILDING MATERIAL	Fly Ash	Magnesium oxide (MgO)	IS 1727
21	CHEMICAL- BUILDING MATERIAL	Fly Ash	Silicon dioxide (SiO2)	IS 1727
22	CHEMICAL- BUILDING MATERIAL	Fly Ash	Sulphur trioxide (SO3)	IS 1727
23	CHEMICAL- BUILDING MATERIAL	Fly Ash	Total chlorides (Cl)	IS 4032
24	CHEMICAL- CORROSION TESTS	Corrosion Tests	CASS	ASTM B368-09
25	CHEMICAL- CORROSION TESTS	Corrosion Tests	Salt Spray	ASTM B117
26	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Metallic and Plastic Materials	Heavy Elements/Toxic Elements - Cadmium	IEC 62321
27	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Metallic and Plastic Materials	Heavy Elements/Toxic Elements - Mercury	IEC - 62321
28	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Metallic and Plastic Materials	Heavy Elements/Toxic Elements-Hexavalent Chromium	IEC 62321
29	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	Metals and Plastic Materials	Heavy Elements/Toxic Elements-Lead	IEC 62321
30	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Cadmium	ASTM E 1251 (OES)
31	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Calcium	ASTM E 1251-17a (By OES)
32	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Chromium	ASTM E 1251-17a (By OES)
33	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Copper	ASTM E 1251-17a (By OES)
34	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Copper	ASTM E34-11e1(By AAS)
35	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Iron	ASTM E 1251-17a (By OES)
36	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Iron	ASTM E 34-11 (BY AAS)

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37	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Lead	ASTM E 1251-17a (By OES)
38	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Magnesium	ASTM E 1251-17a (By OES)
39	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Magnesium	ASTM E34-11e1 (BY AAS)
40	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Manganese	ASTM E 1251-17a (By OES)
41	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Manganese	ASTM E34-11e1 (BY AAS)
42	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Nickel	ASTM E 1251-17a (By OES)
43	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Nickel	ASTM E 34-11e1 (By AAS)
44	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Phosphorus	ASTM E 1251-17a (By OES)
45	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Silicon	ASTM E 1251-17a (By OES)
46	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Silicon	IS 504 (Part-1)
47	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Strontium	ASTM E 1251-17a (By OES)
48	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Tin	ASTM E 1251-17a (By OES)
49	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Titanium	ASTM E 1251-17a (By OES)
50	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Titanium	ASTM E34-11e1 (BY UV-Vis))
51	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Vanadium	ASTM E 1251-17a (By OES)
52	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Zinc	ASTM E 1251-17a (By OES)
53	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Zinc	ASTM E34-11e1 (BY AAS)
54	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon	IS12308 part 11: 1991
55	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium	ASTM E 1999-18 (By OES)

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56	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper	ASTM E 1999-18 (By OES)
57	CHEMICAL- METALS & ALLOYS	Cast Iron	Magnesium	ASTM E 1999 (OES)
58	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese	ASTM E 1999-18 (By OES)
59	CHEMICAL- METALS & ALLOYS	Cast Iron	Molybdenum	ASTM E 1999-18 (By OES)
60	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel	ASTM E 1999-18 (By OES)
61	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorus	ASTM E 1999-18 (By OES)
62	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon	ASTM E 1999-18 (By OES)
63	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulphur	ASTM E 1999-18 (By OES)
64	CHEMICAL- METALS & ALLOYS	Cast Iron	Titanium	ASTM E 1999-18 (By OES)
65	CHEMICAL- METALS & ALLOYS	Cast Iron	Vanadium	ASTM E 1999-18 (By OES)
66	CHEMICAL- METALS & ALLOYS	Copper and its Alloys	Aluminium	BS EN 15079 (OES)
67	CHEMICAL- METALS & ALLOYS	Copper and its Alloys	Antimony	BS EN 15079
68	CHEMICAL- METALS & ALLOYS	Copper and its Alloys	Arsenic	BS EN 15079 (OES)
69	CHEMICAL- METALS & ALLOYS	Copper and its Alloys	Berillium	BS EN 15079
70	CHEMICAL- METALS & ALLOYS	Copper and its Alloys	Bismith	BS EN 15079
71	CHEMICAL- METALS & ALLOYS	Copper and its Alloys	Cadmium	BS EN 15079 (OES)
72	CHEMICAL- METALS & ALLOYS	Copper and its Alloys	Chromium	BS EN 15079 (OES)
73	CHEMICAL- METALS & ALLOYS	Copper and its Alloys	Iron	BS EN 15079 (OES)
74	CHEMICAL- METALS & ALLOYS	Copper and its Alloys	Lead	BS EN 15079 (By OES)

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75	CHEMICAL- METALS & ALLOYS	Copper and its Alloys	Magnesium	BS EN 15079
76	CHEMICAL- METALS & ALLOYS	Copper and its Alloys	Manganese	BS EN 15079 (OES)
77	CHEMICAL- METALS & ALLOYS	Copper and its Alloys	Nickel	BS EN 15079 (OES)
78	CHEMICAL- METALS & ALLOYS	Copper and its Alloys	Phosphorus	BS EN 15079 (OES)
79	CHEMICAL- METALS & ALLOYS	Copper and its Alloys	Silicon	BS EN 15079 (OES)
80	CHEMICAL- METALS & ALLOYS	Copper and its Alloys	Silver	BS EN 15079
81	CHEMICAL- METALS & ALLOYS	Copper and its Alloys	Sulphur	BS EN 15079 (OES)
82	CHEMICAL- METALS & ALLOYS	Copper and its Alloys	Tin	BS EN 15079 (OES)
83	CHEMICAL- METALS & ALLOYS	Copper and its Alloys	Zinc	BS EN 15079 (OES)
84	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Carbon Steel	Aluminium	ASTM E 415 (By OES)
85	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Carbon Steel	Arsenic	ASTM E 415 (By OES)
86	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Carbon Steel	Boron	ASTM E 415 (By OES)
87	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Carbon Steel	Carbon	ASTM E 415 (By OES)
88	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Carbon Steel	Chromium	ASTM E 415 (By OES)
89	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Carbon Steel	Cobalt	ASTM E 415 (By OES)
90	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Carbon Steel	Copper	ASTM E 415 (By OES)
91	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Carbon Steel	Manganese	ASTM E 415 (By OES)
92	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Carbon Steel	Molybdenum	ASTM E 415 (By OES)
93	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Carbon Steel	Nickel	ASTM E 415 (By OES)

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94	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Carbon Steel	Niobium	ASTM E 415 (By OES)
95	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Carbon Steel	Phosphorus	ASTM E 415 (By OES)
96	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Carbon Steel	Silicon	ASTM E415 (By OES)
97	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Carbon Steel	Sulphur	ASTM E415 (By OES)
98	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Carbon Steel	Tin	ASTM E 415 (By OES)
99	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Carbon Steel	Titanium	ASTM E 415 (By OES)
100	CHEMICAL- METALS & ALLOYS	Low Alloy Steel & Carbon Steel	Vanadium	ASTM E 415 (By OES)
101	CHEMICAL- METALS & ALLOYS	Stainless Steel	Arsenic	ASTM E 1086 (By OES)
102	CHEMICAL- METALS & ALLOYS	Stainless steel	Carbon	ASTM E 1086 (By OES)
103	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	IS 228 (Part 1)
104	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	ASTM E 1086 (By OES)
105	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	ASTM E 353
106	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	ASTM E 1086 (By OES)
107	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	ASTM E 353 (By AAS)
108	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	ASTM E 1086 (By OES)
109	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	ASTM E 353
110	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	ASTM E 1086 (By OES)
111	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	ASTM E 353
112	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	ASTM E 1086(By OES)

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113	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	ASTM E 353
114	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	ASTM E 1086 (By OES)
115	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	ASTM E 353
116	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	ASTM E 1086 (By OES)
117	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	ASTM E 353
118	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	ASTM E 1086 (By OES)
119	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	ASTM E 353
120	CHEMICAL- METALS & ALLOYS	Steel & steel alloys -(Plain, Medium & high carbon Steel)	Carbon	IS 228 (Part 1)
121	CHEMICAL- METALS & ALLOYS	Steel & steel alloys -(Plain, Medium & high carbon Steel)	Copper	IS 228 (Part 15)
122	CHEMICAL- METALS & ALLOYS	Steel & steel alloys -(Plain, Medium & high carbon Steel)	Chromium	IS 228 (Part 6)
123	CHEMICAL- METALS & ALLOYS	Steel & steel alloys -(Plain, Medium & high carbon Steel)	Manganese	IS 228 (Part 2)
124	CHEMICAL- METALS & ALLOYS	Steel & steel alloys -(Plain, Medium & high carbon Steel)	Molybdenum	IS 228 (Part 7)
125	CHEMICAL- METALS & ALLOYS	Steel & steel alloys -(Plain, Medium & high carbon Steel)	Nickel	IS 228 (Part 5)
126	CHEMICAL- METALS & ALLOYS	Steel & steel alloys -(Plain, Medium & high carbon Steel)	Silicon	IS 228 (Part 8)
127	CHEMICAL- METALS & ALLOYS	Steel & steel alloys -(Plain, Medium & high carbon Steel)	Sulphur	IS 228 (Part 9)
128	CHEMICAL- METALS & ALLOYS	Steel & steel alloys -(Plain, Medium & high carbon Steel)	Vanadium	ASTM E 350
129	CHEMICAL- METALS & ALLOYS	Steels & Steel alloys - (Plain, Medium & High Carbon Steel)	Phosphorus	IS 228 (Part 3)
130	CHEMICAL- METALS & ALLOYS	Steels & Steel alloys - (Plain, Medium & High Carbon Steel)	Tungsten	IS 228 (Part 16)
131	CHEMICAL- METALS & ALLOYS	Tool Steel	Carbon	IS 228 (Part 1)

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132	CHEMICAL- METALS & ALLOYS	Tool Steel	Chromium	ASTM E 352(By AAS)
133	CHEMICAL- METALS & ALLOYS	Tool Steel	Copper	ASTM E 352
134	CHEMICAL- METALS & ALLOYS	Tool Steel	Manganese	ASTM E 352 (By AAS)
135	CHEMICAL- METALS & ALLOYS	Tool Steel	Molybdenum	ASTM E 352
136	CHEMICAL- METALS & ALLOYS	Tool Steel	Phosphorus	ASTM E 352
137	CHEMICAL- METALS & ALLOYS	Tool Steel	Silicon	ASTM E 352
138	CHEMICAL- METALS & ALLOYS	Tool Steel	Sulphur	IS 228 (Part- 9)
139	CHEMICAL- METALS & ALLOYS	Tool Steel	Tungsten	ASTM E 352
140	CHEMICAL- METALS & ALLOYS	Tool Steel	Vanadium	ASTM E 352
141	CHEMICAL- METALS & ALLOYS	Zinc & Alloys	Copper	IS 2599
142	CHEMICAL- METALS & ALLOYS	Zinc and Alloy	Lead	IS 2599
143	CHEMICAL- METALS & ALLOYS	Zinc and Alloys	Aluminium	IS 2599
144	CHEMICAL- METALS & ALLOYS	Zinc and Alloys	Cadmium	IS 2599
145	CHEMICAL- METALS & ALLOYS	Zinc and Alloys	Iron	IS 2599
146	CHEMICAL- METALS & ALLOYS	Zinc and Alloys	Magnesium	IS 2599
147	CHEMICAL- METALS & ALLOYS	Zinc and Alloys	Nickel	IS 2599
148	CHEMICAL- METALS & ALLOYS	Zinc and Alloys	Tin	IS 2599
149	CHEMICAL- SOIL AND ROCK	soil	Organic Matter	IS 2720 (Part 22)
150	CHEMICAL- SOIL AND ROCK	soil	pH	IS 2720 (Part 26)

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151	CHEMICAL- SOIL AND ROCK	soil	Sulphate	IS 2720 (Part 27)
152	CHEMICAL- WATER	Drinking Water	Calcium	IS 3025 (Part 40) (By AAS)
153	CHEMICAL- WATER	Drinking Water	Chloride	IS 3025 (Part 32)
154	CHEMICAL- WATER	Drinking Water	Copper	IS 3025 (Part 42)(By AAS)
155	CHEMICAL- WATER	Drinking Water	Hardness as CaCO3	IS 3025 (Part 21)
156	CHEMICAL- WATER	Drinking Water	Iron	ASTM D 1068 (By AAS)
157	CHEMICAL- WATER	Drinking Water	Magnesium	IS 3025 (Part 46)(By AAS)
158	CHEMICAL- WATER	Drinking Water	Manganese	ASTM D 858 (By AAS)
159	CHEMICAL- WATER	Drinking Water	Nickel	IS 3025 (Part 54)
160	CHEMICAL- WATER	Drinking Water	pH	IS 3025 (Part 11)
161	CHEMICAL- WATER	Drinking Water	Sodium	IS 3025 (Part 45)(By AAS)
162	CHEMICAL- WATER	Drinking Water	Sulphate	IS 3025 (Part 24)
163	CHEMICAL- WATER	Drinking Water	Total Dissolved Solid	IS 3025 (Part 16)
164	CHEMICAL- WATER	Drinking Water	Turbidity	IS 3025 (Part 10)
165	CHEMICAL- WATER	Drinking Water	Zinc	IS 3025 (Part 49):(By AAS)
166	CHEMICAL- WATER	Water for Construction	Acidity	IS 3025 (Part 22)
167	CHEMICAL- WATER	Water for Construction	Alkalinity	IS 3025 (Part 23)
168	CHEMICAL- WATER	Water for Construction	Chloride	IS 3025 (Part 32)
169	CHEMICAL- WATER	Water for construction	Organic Matter	IS 3025 (Part 18)
170	CHEMICAL- WATER	Water for Construction	Sulphate	IS 3025 (Part 24)
171	CHEMICAL- WATER	Water for Construction	Total Suspended Solid	IS 3025 (Part 17)
172	CHEMICAL- WATER	Water for construction purpose	pH	IS 3025 (Part 11)
173	CHEMICAL- WATER	Water for Constuction	Inorganic Matter	IS 3025 (Part 18)
174	MECHANICAL- BUILDINGS MATERIALS	Admixture	Air Content	IS 9103
175	MECHANICAL- BUILDINGS MATERIALS	Admixture	Compressive Strength	IS 9103
176	MECHANICAL- BUILDINGS MATERIALS	Admixture	Final Setting time	IS 9103
177	MECHANICAL- BUILDINGS MATERIALS	Admixture	Flexural Strength	IS 9103

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178	MECHANICAL- BUILDINGS MATERIALS	Admixture	Initial Setting Time	IS 9103
179	MECHANICAL- BUILDINGS MATERIALS	Admixture	Length Change	IS 9103
180	MECHANICAL- BUILDINGS MATERIALS	Admixture	Slump	IS 9103
181	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Absolute Viscosity	IS 1206 (P-2)
182	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility at 25 °C	IS 1208
183	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Flash Point (Closed Type)	IS 1209
184	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Kinematic Viscosity	IS 126 (P-3)
185	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Loss on Heating	IS 1201 to IS 1220
186	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration at 25 °C	IS 1203
187	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point °C	IS 1205
188	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity at 27 °C	IS 1202
189	MECHANICAL- BUILDINGS MATERIALS	Bituminous Concrete	Marshall flow	AASTHO T245
190	MECHANICAL- BUILDINGS MATERIALS	Bituminous Concrete	Marshall Stability	AASTHO T245
191	MECHANICAL- BUILDINGS MATERIALS	Bricks	Compressive Strength	IS 3495 (Part 1,2,3 and 4)
192	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension	IS 1077
193	MECHANICAL- BUILDINGS MATERIALS	Bricks	Efflorescence	IS 3495 (P-3):1992
194	MECHANICAL- BUILDINGS MATERIALS	Bricks	Water Absorption	IS 3495(P-2)
195	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC,PPC, SRCs, Slag and White)	Final Setting Time	IS 4031 (Part 5)
196	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC,PPC, SRCs, Slag and White)	Compressive Strength	IS 4031 (Part 6)

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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
197	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC,PPC, SRCs, Slag and White)	Consistency	IS 4031 (Part 4)
198	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC,PPC, SRCs, Slag and White)	Fineness (Blaine's Air Permeability Method)	IS 4031 (Part 2)
199	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC,PPC, SRCs, Slag and White)	Initial Setting Time	IS 4031 (Part 5)
200	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC,PPC, SRCs, Slag and White)	Soundness (Autoclave)	IS 4031 (Part 3)
201	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC,PPC, SRCs, Slag and White)	Soundness (Le-Chatelier)	IS 4031 (Part 3)
202	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC,PPC, SRCs, Slag and White)	Soundness (Le-Chatelier)	IS 4031 (Part 3)
203	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC,PPC, SRCs, Slag and White)	Specific Gravity	IS 4031 (Part 11)
204	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10% Percent Fines Value	IS 2386 (Part 4)
205	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 (Part 3)
206	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Clay Lumps	IS 2386 (Part 2)
207	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)
208	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
209	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1)
210	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4)
211	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Los Angeles Abrasion	IS 2386 (Part 4)
212	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Materials Finer Than 75 Micron	IS 2386 (Part 1)
213	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis	IS 2386 (Part 1)
214	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness	IS 2386 (Part 5)
215	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386(Part 3)

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216	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
217	MECHANICAL- BUILDINGS MATERIALS	Concrete	Compressive Strength by Accelerated Curing Method	IS 9013
218	MECHANICAL- BUILDINGS MATERIALS	Concrete	Final setting Time by Penetration Resistance	IS 1199 (Part 7)
219	MECHANICAL- BUILDINGS MATERIALS	Concrete	Initial Setting Time by Penetration Resistance	IS 1199 (Part 7)
220	MECHANICAL- BUILDINGS MATERIALS	Concrete Beams	Flexure Strength	IS 516
221	MECHANICAL- BUILDINGS MATERIALS	Concrete Cubes, Cylinders,Core	Compressive Strength	IS 516
222	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS 2386 (Part 3)
223	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulking	IS 2386 (Part 3)
224	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Clay Lumps	IS 2386 (Part 2)
225	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Materials Finer Than 75 Micron	IS 2386 (Part 1)
226	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis	IS 2386 (Part 1):1963 RA
227	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Silt Content	IS 2386 (Part 2)
228	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness	IS 2386 (Part 5)
229	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
230	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
231	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Compressive Strength	IS 1727
232	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Fineness by Blaine's permeability method	IS 1727
233	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Lime reactivity	IS 1727
234	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Particles retained on 45 micron IS sieve (wet sieving)	IS 1727

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235	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Soundness(Autoclave Method)	IS 1727
236	MECHANICAL- BUILDINGS MATERIALS	Interlocking Paver Blocks	Compressive Strength	IS 15658 (Annex D)
237	MECHANICAL- BUILDINGS MATERIALS	Interlocking Paver Blocks	Dimension	IS 15658 (Annex B)
238	MECHANICAL- BUILDINGS MATERIALS	Interlocking Paver Blocks	Water Absorption	IS 15658 (Annex C)
239	MECHANICAL- BUILDINGS MATERIALS	Water Proofing Compound	Compressive Strength	IS 2645
240	MECHANICAL- BUILDINGS MATERIALS	Water Proofing Compound	Final Setting Time	IS 2645
241	MECHANICAL- BUILDINGS MATERIALS	Water Proofing Compound	Initial Setting Time	IS 2645
242	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Mechanical Properties of Metals	Elongation%	ISO 6892 (Part 1)
243	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Mechanical Properties of Metals	Bend Test	IS 1599 / IS 1786
244	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Mechanical Properties of Metals	Brinell Hardness 10/3000	IS 1500(Part 1)
245	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Mechanical Properties of Metals	Brinell Hardness 5/750	IS 1500 (Part 1)
246	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Mechanical Properties of Metals	Elongation%	IS 1608(Part 1)
247	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Mechanical Properties of Metals	Elongation%	JIS Z 2241
248	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Mechanical Properties of Metals	Izod Impact Test (at room Temperature)	IS 1598
249	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Mechanical Properties of Metals	Mass per Unit (6mm to 40mm)	IS 1786

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250	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mechanical Properties of Metals	Micro Vickers Hardness Test HV0.1 HV0.3 HV0.5 HV1	IS 1501 (Part 1)
251	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mechanical Properties of Metals	Re-bend Test	IS 1786
252	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mechanical Properties of Metals	Rib area (TMT)	IS 1786
253	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mechanical Properties of Metals	Rockwell Hardness ('C' Scale)	IS 1586 (Part 1)
254	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mechanical Properties of Metals	Rockwell Hardness ('A' Scale)	IS 1586 (Part 1)
255	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mechanical Properties of Metals	Rockwell Hardness Test ('B' Scale)	IS 1586 (Part 1)
256	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mechanical Properties of Metals	Tensile Strength	IS 1608
257	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mechanical Properties of Metals	Tensile Strength	ISO 6892 (Part 1)
258	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mechanical Properties of Metals	Tensile Strength	JIS Z 2241
259	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mechanical Properties of Metals	Vicker Hardness Test HV30	IS 1501 (Part 1)
260	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mechanical Properties of Metals	Vickers Hardness Test HV10	IS 1501 (Part 1)
261	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mechanical Properties of Metals	Vickers Hardness Test HV5	IS 1501 (Part-1)
262	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mechanical Properties of Metals	Yield Strenght	ISO 6892 (Part 1)
263	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mechanical Properties of Metals	Yield Strenght	JIS Z 2241

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264	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mechanical Properties of Metals	Yield Strength	IS 1608 (Part 1)
265	MECHANICAL-METALLOGRAPHY TEST	Metallic Coatings	Thickness Of Electroplated Coatings	IS 3203
266	MECHANICAL-METALLOGRAPHY TEST	Metallography Test	Determination of average grain size (comparison method)	ASTM E-112
267	MECHANICAL-METALLOGRAPHY TEST	Metallography Test	Determination of inclusion content of Steel (Method-A)	ASTM E 45-18a
268	MECHANICAL-METALLOGRAPHY TEST	Metallography Test	Microstructure Examination	Reference ASM handbook Volume-9
269	MECHANICAL- SOIL AND ROCK	Natural Building Stones	Apparent Specific Gravity	IS 1124
270	MECHANICAL- SOIL AND ROCK	Natural Building Stones	Water Absorption	IS 1124
271	MECHANICAL- SOIL AND ROCK	Soil	Field Density (by Core Cutter Method)	IS 2720 (Part 29)
272	MECHANICAL- SOIL AND ROCK	Soil	Field Density (by Sand Replacement Method)	IS 2720 (Part 28)
273	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
274	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (Dry & Wet Analysis)	IS 2720 (Part 4)
275	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction - Maximum Dry Density	IS 2720 (Part 8)
276	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction - Optimum Moisture content	IS 2720 (Part 8)
277	MECHANICAL- SOIL AND ROCK	Soil	Laboratory CBR (soaked)	IS 2720 (Part 16)
278	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction - Optimum Moisture Content	IS 2720 (Part 7)
279	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction-Maximum Dry Density	IS 2720 (Part 7)
280	MECHANICAL- SOIL AND ROCK	Soil	Linear Shrinkage	IS 2720 (Part 20)
281	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5)

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282	MECHANICAL- SOIL AND ROCK	Soil	Moisture Content	IS 2720 (Part 2) -Section 1: 1973 RA
283	MECHANICAL- SOIL AND ROCK	Soil	Moisture Content	IS 2720 (Part 2) -Section 5
284	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
285	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3 /Section -1 & 2)