



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CEMA TESTING LABORATORY PRIVATE LIMITED, 28, AYODHYA NAGAR,
NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11250 **Page No** 1 of 22

Validity 31/12/2024 to 30/12/2028 **Last Amended on** 09/01/2025

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 Testing				
1	CHEMICAL- BUILDING MATERIAL	Admixture	Ash Content	IS 9103
2	CHEMICAL- BUILDING MATERIAL	Admixture	Chloride Content	IS 6925
3	CHEMICAL- BUILDING MATERIAL	Admixture	Dry Material Content	IS 9103
4	CHEMICAL- BUILDING MATERIAL	Admixture	pH	IS 9103
5	CHEMICAL- BUILDING MATERIAL	Admixture	Relative Density	IS 9103
6	CHEMICAL- BUILDING MATERIAL	Cement PPC	Loss of Ignition	IS 4032
7	CHEMICAL- BUILDING MATERIAL	Cement OPC	Alumina	IS 4032
8	CHEMICAL- BUILDING MATERIAL	Cement OPC	Calcium Oxide	IS 4032
9	CHEMICAL- BUILDING MATERIAL	Cement OPC	Chloride	IS 4032
10	CHEMICAL- BUILDING MATERIAL	Cement OPC	Ferric Oxide	IS 4032
11	CHEMICAL- BUILDING MATERIAL	Cement OPC	Insoluble Residue	IS 4032
12	CHEMICAL- BUILDING MATERIAL	Cement OPC	Loss on Ignition	IS 4032
13	CHEMICAL- BUILDING MATERIAL	Cement OPC	Magnesia	IS 4032
14	CHEMICAL- BUILDING MATERIAL	Cement OPC	Potassium Oxide	IS 4032
15	CHEMICAL- BUILDING MATERIAL	Cement OPC	Silica	IS 4032
16	CHEMICAL- BUILDING MATERIAL	Cement OPC	Sulpuric Anhydride	IS 4032
17	CHEMICAL- BUILDING MATERIAL	Cement PPC	Chloride	IS 4032
18	CHEMICAL- BUILDING MATERIAL	Cement PPC	Insoluble Residue	IS 4032
19	CHEMICAL- BUILDING MATERIAL	Cement PPC	Magnesia	IS 4032



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20	CHEMICAL- BUILDING MATERIAL	Cement PPC	Sodium Oxide	IS 4032
21	CHEMICAL- BUILDING MATERIAL	Cement PPC	Sulphuric Anhydride	IS 4032
22	CHEMICAL- BUILDING MATERIAL	Cement OPC	Sodium Oxide	IS 4032
23	CHEMICAL- BUILDING MATERIAL	Cement PPC	Potassium Oxide	IS 4032
24	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate	Alkali Aggregate Reactivity (Dissolved Silica)	IS 2386 (Part-7)
25	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate	Alkali Aggregate Reactivity (Reduction in Alkalinity)	IS 2386 (Part 7)
26	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate	Soundness by MgSO ₄	IS 2386 (Part-5)
27	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate	Soundness by Sodium Sulphate Method	IS 2386 (Part-5)
28	CHEMICAL- BUILDING MATERIAL	Fine Aggregate	Alkali Aggregate Reactivity (Dissolved Silica)	IS 2386 (Part-7)
29	CHEMICAL- BUILDING MATERIAL	Fine Aggregate	Alkali Aggregate Reactivity (Reduction in Alkalinity)	IS 2386 (Part 7)
30	CHEMICAL- BUILDING MATERIAL	Fine Aggregate	Soundness by Sodium Sulphate Method	IS 2386 (Part-5)
31	CHEMICAL- BUILDING MATERIAL	Fine Aggregate / sand	Soundness by MgSO ₄	IS 2386 (Part-5)
32	CHEMICAL- BUILDING MATERIAL	Fine aggregate / Sand	Water Soluble Chloride	BS 1744-1
33	CHEMICAL- BUILDING MATERIAL	Fine Aggregate / Sand	Water Soluble Sulphate	BS 1744-1
34	CHEMICAL- BUILDING MATERIAL	Fly ash	Aluminium Oxide	IS 1727
35	CHEMICAL- BUILDING MATERIAL	Fly ash	Chloride	IS 4032
36	CHEMICAL- BUILDING MATERIAL	Fly Ash	Iron Oxide	IS 1727
37	CHEMICAL- BUILDING MATERIAL	Fly ash	Loss on Ignition	IS 1727
38	CHEMICAL- BUILDING MATERIAL	Fly ash	Silica	IS 1727
39	CHEMICAL- BUILDING MATERIAL	Fly ash	Sulphuric Anhydride	IS 1727



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40	CHEMICAL- BUILDING MATERIAL	Silica Fume	Loss on Ignition	IS 1727
41	CHEMICAL- BUILDING MATERIAL	Silica Fume	Moisture Content	IS 15388
42	CHEMICAL- BUILDING MATERIAL	Silica Fume	Silicon Dioxide (SiO ₂)	IS 1727
43	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Ammonia as NH ₃ -N	IS 3025 (Part 34/Sec-1)
44	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	BOD (Biochemical Oxygen Demand)	IS 3025 (Part-44)
45	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Calcium as Ca ⁺⁺	IS 3025 (Part-40)
46	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Chloride	IS 3025 (Part 32)
47	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	COD (Chemical Oxygen Demand)	IS 3025 (Part-58)
48	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Dissolved Oxygen	IS 3025 (Part-38)
49	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Electric Conductivity	IS 3025 (Part-14)
50	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Magnesium as Mg ⁺⁺	IS 3025 (Part 46)
51	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	pH	IS 3025 (Part-11)
52	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Residual Chlorine	IS 3025 (Part 26)
53	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sulphate as SO ₄	IS 3025 (Part-24/Sec-1)
54	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Alkalinity as CaCO ₃	IS 3025 (Part-23)
55	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Dissolved Solids	IS 3025 (Part-16)
56	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Hardness as CaCO ₃	IS 3025 (Part 21)
57	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Solids	IS 3025 (Part-15)
58	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Suspended Solids	IS 3025 (Part-17)
59	CHEMICAL- SOIL AND ROCK	Soil	Acid Soluble Chloride	BS 1377 (Part 3)



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60	CHEMICAL- SOIL AND ROCK	Soil	Organic Matter	IS 2720 (Part 22)
61	CHEMICAL- SOIL AND ROCK	Soil	pH	IS 2720 (Part 26)
62	CHEMICAL- SOIL AND ROCK	Soil	Sulphate as SO ₃	IS 2720 (Part-27)
63	CHEMICAL- WATER	Drinking Water	Ammonia as NH ₃	IS 3025 (Part-34/Sec-1)
64	CHEMICAL- WATER	Drinking Water	Calcium as Ca ⁺⁺	IS 3025 (Part-40)
65	CHEMICAL- WATER	Drinking Water	Chloride as Cl	IS 3025 (Part-32)
66	CHEMICAL- WATER	Drinking Water	Colour	IS 3025 (Part-04)
67	CHEMICAL- WATER	Drinking Water	Electric conductivity	IS 3025 (Part-14)
68	CHEMICAL- WATER	Drinking Water	Magnesium as Mg ⁺⁺	IS 3025 (Part-46)
69	CHEMICAL- WATER	Drinking Water	Nitrate as NO ₃	NEERI PDA Method
70	CHEMICAL- WATER	Drinking Water	Odour	IS 3025 (Part-05)
71	CHEMICAL- WATER	Drinking Water	pH @25°C	IS 3025 (Part-11)
72	CHEMICAL- WATER	Drinking Water	Residual Chlorine	IS 3025 (Part-26)
73	CHEMICAL- WATER	Drinking Water	Sulphate as SO ₄	IS 3025 (Part-24/Sec-1)
74	CHEMICAL- WATER	Drinking Water	Taste	IS 3025 (Part-08)
75	CHEMICAL- WATER	Drinking Water	Total Alkalinity as CaCO ₃	IS 3025 (Part-23)
76	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids	IS 3025 (Part-16)
77	CHEMICAL- WATER	Drinking Water	Total Hardness as CaCO ₃	IS 3025 (Part-21)
78	CHEMICAL- WATER	Drinking Water	Total Suspended Solids	IS 3025 (Part-17)
79	CHEMICAL- WATER	Drinking Water	Turbidity	IS 3025 (Part-10)
80	CHEMICAL- WATER	Industrial Water	Calcium as Ca ⁺⁺	IS 3025 (Part-40)
81	CHEMICAL- WATER	Industrial Water	Chloride as Cl	IS 3025 (Part-32)
82	CHEMICAL- WATER	Industrial Water	Colour	IS 3025 (Part-04)
83	CHEMICAL- WATER	Industrial Water	Conductivity	IS 3025 (Part-14)
84	CHEMICAL- WATER	Industrial Water	Magnesium as Mg ⁺⁺	IS 3025 (Part-46)
85	CHEMICAL- WATER	Industrial Water	Odour	IS 3025 (Part-05)
86	CHEMICAL- WATER	Industrial Water	pH @25°C	IS 3025 (Part-11)
87	CHEMICAL- WATER	Industrial Water	Sulphate as SO ₄	IS 3025 (Part-24/Sec-1)
88	CHEMICAL- WATER	Industrial Water	Total Alkalinity as CaCO ₃	IS 3025 (Part-23)
89	CHEMICAL- WATER	Industrial Water	Total Dissolved Solids	IS 3025 (Part-16)
90	CHEMICAL- WATER	Industrial Water	Total Hardness as CaCO ₃	IS 3025 (Part-21)

This is annexure to 'Certificate of Accreditation' and does not require any signature.



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91	CHEMICAL- WATER	Industrial Water	Turbidity	IS 3025 (Part-10)
92	CHEMICAL- WATER	Packaged Drinking Water	Ammonia as NH ₃	IS 3025 (Part-34/Sec-1)
93	CHEMICAL- WATER	Packaged Drinking Water	Calcium as Ca ⁺⁺	IS 3025 (Part-40)
94	CHEMICAL- WATER	Packaged Drinking Water	Chloride as Cl	IS 3025 (Part-32)
95	CHEMICAL- WATER	Packaged Drinking Water	Colour	IS 3025 (Part-04)
96	CHEMICAL- WATER	Packaged Drinking Water	Electric conductivity	IS 3025 (Part-14)
97	CHEMICAL- WATER	Packaged Drinking Water	Magnesium as Mg ⁺⁺	IS 3025 (Part-46)
98	CHEMICAL- WATER	Packaged Drinking Water	Nitrate as NO ₃	NEERI PDA Method
99	CHEMICAL- WATER	Packaged Drinking Water	Odour	IS 3025 (Part-05)
100	CHEMICAL- WATER	Packaged Drinking Water	pH @25°C	IS 3025 (Part-11)
101	CHEMICAL- WATER	Packaged Drinking Water	Residual Chlorine	IS 3025 (Part-26)
102	CHEMICAL- WATER	Packaged Drinking Water	Sulphate as SO ₄	IS 3025 (Part-24/Sec-1)
103	CHEMICAL- WATER	Packaged Drinking Water	Taste	IS 3025 (Part-08)
104	CHEMICAL- WATER	Packaged Drinking Water	Total Alkalinity as CaCO ₃	IS 3025 (Part-23)
105	CHEMICAL- WATER	Packaged Drinking Water	Total Dissolved Solids	IS 3025 (Part-16)
106	CHEMICAL- WATER	Packaged Drinking Water	Total Hardness as CaCO ₃	IS 3025 (Part-21)
107	CHEMICAL- WATER	Packaged Drinking Water	Total Suspended Solids	IS 3025 (Part-17)
108	CHEMICAL- WATER	Packaged Drinking Water	Turbidity	IS 3025 (Part-10)
109	CHEMICAL- WATER	Water for Construction Purpose	Chloride	IS 3025 (Part 32)
110	CHEMICAL- WATER	Water for Construction Purpose	Inorganic Matter	IS 3025 (Part-18)
111	CHEMICAL- WATER	Water for Construction Purpose	Organic Matter	IS 3025 (Part 18)
112	CHEMICAL- WATER	Water for Construction Purpose	pH	IS 3025 (Part-11)
113	CHEMICAL- WATER	Water for Construction Purpose	Sulphate as SO ₃	IS 3025 (Part-24/Sec-1)
114	CHEMICAL- WATER	Water for construction purpose	Volume of 0.02 N H ₂ SO ₄ used to Neutralize 100 ml of sample (Alkalinity)	IS 3025 (Part-23)
115	CHEMICAL- WATER	Water for Construction Purpose	Volume of 0.02 N NaOH used to Neutralize 100 ml of Sample (Acidity)	IS 3025 (Part-22)
116	MECHANICAL- BUILDINGS MATERIALS	Acid Resistant Bricks	Acid Resistance	IS 4860
117	MECHANICAL- BUILDINGS MATERIALS	Acid Resistant Bricks	Compression Strength	IS 4860
118	MECHANICAL- BUILDINGS MATERIALS	Acid Resistant Bricks	Flexural Strength	IS 4860



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119	MECHANICAL- BUILDINGS MATERIALS	Acid Resistant Bricks	Water Absorption	IS 4860
120	MECHANICAL- BUILDINGS MATERIALS	Autoclave Cellular Aerated Concrete Blocks / AAC Block	Compressive Strength	IS 6441 Part 5
121	MECHANICAL- BUILDINGS MATERIALS	Autoclave Cellular Aerated Concrete Blocks / AAC Block	Density	IS 6441 Part 1
122	MECHANICAL- BUILDINGS MATERIALS	Autoclave Cellular Aerated Concrete Blocks / AAC Block	Dimension Height	IS 2185 Part-3
123	MECHANICAL- BUILDINGS MATERIALS	Autoclave Cellular Aerated Concrete Blocks / AAC Block	Dimension Length	IS 2185 Part-3
124	MECHANICAL- BUILDINGS MATERIALS	Autoclave Cellular Aerated Concrete Blocks / AAC Block	Dimension Width	IS 2185 Part-3
125	MECHANICAL- BUILDINGS MATERIALS	Autoclave Cellular Aerated Concrete Blocks / AAC Block	Moisture Content	IS 6441 Part 1
126	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Absolute Viscosity	IS 1206 (Part 2)
127	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS 1208
128	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Flash Point	IS 1209
129	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Kinematic Viscosity	IS 1206 (Part 3)
130	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration	IS 1203
131	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
132	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific Gravity	IS 1202
133	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Weight Loss on Heating	IS 1212
134	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Ductility of Residue	IS 1208
135	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Penetration on Residue	IS 1203
136	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Residue on 600 micron IS Sieve	IS 8887 (Annexure B)
137	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Solubility in Trichloroethylene	IS 8887
138	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Stability to mix with Cement	IS 8887 (Annexure G)



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139	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Storage Stability after 24 hours	IS 8887 (Annexure D)
140	MECHANICAL- BUILDINGS MATERIALS	Bitumen Emulsion	Test on Residue - Residue by Evaporation	IS 8887 (Annexure J)
141	MECHANICAL- BUILDINGS MATERIALS	Bituminous Core	Density	ASTM D 2726
142	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Binder Content	ASTM D2172
143	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshall Flow	ASTM D6927
144	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Marshall Stability	ASTM D6927
145	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Compressive Strength	IS 3495 (Part 1)
146	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimension (Height)	IS 1077
147	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimension (Length)	IS 1077
148	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimension (Width)	IS 1077
149	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Efflorescence	IS 3495 (Part 3)
150	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Water Absorption	IS 3495 (Part 2)
151	MECHANICAL- BUILDINGS MATERIALS	Cement OPC	Fineness by Blaine Air Permeability Method	IS 4031 (Part 2)
152	MECHANICAL- BUILDINGS MATERIALS	Cement OPC	Standard Consistency	IS 4031 (Part 4)
153	MECHANICAL- BUILDINGS MATERIALS	Cement PPC	Soundness by Le- Chatelier Method	IS 4031 (Part 3)
154	MECHANICAL- BUILDINGS MATERIALS	Cement SPC	Compressive Strength	IS 4031 (Part 6)
155	MECHANICAL- BUILDINGS MATERIALS	Cement SPC	Fineness by Dry Sieving	IS 4031 (Part 1)
156	MECHANICAL- BUILDINGS MATERIALS	Cement SPC	Initial Setting Time	IS 4031 (Part 5)
157	MECHANICAL- BUILDINGS MATERIALS	Cement SPC	Soundness by Le- Chartelier Method	IS 4031 (Part 3)
158	MECHANICAL- BUILDINGS MATERIALS	Cement SPC	Standard Consistency	IS 4031 (Part 4)



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159	MECHANICAL- BUILDINGS MATERIALS	Cement OPC	Density	IS 4031 (Part 11)
160	MECHANICAL- BUILDINGS MATERIALS	Cement OPC	Fineness by Dry Sieving	IS 4031 (Part 1)
161	MECHANICAL- BUILDINGS MATERIALS	Cement OPC	Setting Time (Final)	IS 4031 (Part 5)
162	MECHANICAL- BUILDINGS MATERIALS	Cement OPC	Setting Time (Initial)	IS 4031 (Part 5)
163	MECHANICAL- BUILDINGS MATERIALS	Cement OPC	Soundness by Le-Chatelier Method	IS 4031 (Part 3)
164	MECHANICAL- BUILDINGS MATERIALS	Cement PPC	Chloride	IS 4032
165	MECHANICAL- BUILDINGS MATERIALS	Cement SPC	Final Setting Time	IS 4031 (Part 5)
166	MECHANICAL- BUILDINGS MATERIALS	Cement OPC	Compressive Strength	IS 4031 (Part 6)
167	MECHANICAL- BUILDINGS MATERIALS	Cement PPC	Compressive Strength	IS 4031 (Part 6)
168	MECHANICAL- BUILDINGS MATERIALS	Cement PPC	Density	IS 4031 (Part 11)
169	MECHANICAL- BUILDINGS MATERIALS	Cement PPC	Final Setting Time	IS 4031 (Part 5)
170	MECHANICAL- BUILDINGS MATERIALS	Cement PPC	Fineness by Blaine air permeability method	IS 4031 (Part 2)
171	MECHANICAL- BUILDINGS MATERIALS	Cement PPC	Fineness by Dry Sieving	IS 4031 (Part 1)
172	MECHANICAL- BUILDINGS MATERIALS	Cement PPC	Initial Setting Time	IS 4031 (Part 5)
173	MECHANICAL- BUILDINGS MATERIALS	Cement PPC	Standard Consistency	IS 4031 (Part 4)
174	MECHANICAL- BUILDINGS MATERIALS	Cement SPC	Density	IS 4031 (Part 11)
175	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10 % Fines Value	IS 2386 (Part 4)
176	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Abrasion Value (Los Angles)	IS 2386 (Part 4)
177	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Air Void	IS 2386 Part -3
178	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 (Part 3)



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179	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)
180	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
181	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1)
182	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4)
183	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value (Soft Coarse Aggregate)	IS 5640
184	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (Grading) (Sieve Size: 2.36, 4.75, 10.0, 12.5, 16.0, 20.0, 40.0, 63.0, 80 mm)	IS 2386 (Part 1)
185	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
186	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Stripping Value Test	IS 6241
187	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
188	MECHANICAL- BUILDINGS MATERIALS	Concrete Beam	Flexural Strength	IS 516 (Part 1 / Sec. 1)
189	MECHANICAL- BUILDINGS MATERIALS	Concrete Core	oxygen permeability index test	IS 516 Part -2 / Sec. 3
190	MECHANICAL- BUILDINGS MATERIALS	Concrete core	Rapid Chloride Permeability Test	ASTM C-1202
191	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube/ Core	Compressive Strength	IS 516 (Part 01 / Sec. 1)
192	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Air Voids	IS 2386 (Part 3)
193	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS 2386 (Part 3)
194	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Materials Finer than 75 micron	IS 2386 (Part 1)
195	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (Grading) (Sieve Size: 75 µm,150 µm,300 µm,600 µm,1.18mm, 2.36mm,4.75 mm, 10.0 mm)	IS 2386 (Part 1)
196	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
197	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)



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198	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Compressive Strength	IS 1727
199	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Final Setting Time	IS 4031 (Part 5)
200	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Initial Setting Time	IS 4031 (Part 5)
201	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Lime Reactivity	IS 1727
202	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Moisture Content	IS 3812 (Part 1)
203	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Residue on 45 micron (Wet Sieving)	IS 1727
204	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Soundness by Le-Chatelier	IS 4031 (Part 3)
205	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Specific Gravity	IS 1727
206	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Specific Surface by Blaine Air Method	IS 1727
207	MECHANICAL- BUILDINGS MATERIALS	Fly ash Bricks	Compressive Strength	IS 3495 (Part 1)
208	MECHANICAL- BUILDINGS MATERIALS	Fly ash Bricks	Dimension (Height)	IS 13757
209	MECHANICAL- BUILDINGS MATERIALS	Fly ash Bricks	Dimension (Length)	IS 13757
210	MECHANICAL- BUILDINGS MATERIALS	Fly ash Bricks	Dimension (Width)	IS 13757
211	MECHANICAL- BUILDINGS MATERIALS	Fly ash Bricks	Efflorescence Test	IS 3495 (Part 3)
212	MECHANICAL- BUILDINGS MATERIALS	Fly ash Bricks	Water Absorption	IS 3495 (Part 2)
213	MECHANICAL- BUILDINGS MATERIALS	Granular Sub Base	California Bearing Ratio	IS 2720 (Part-16)
214	MECHANICAL- BUILDINGS MATERIALS	Granular Sub Base	Liquid Limit	IS 2720 (Part 5)
215	MECHANICAL- BUILDINGS MATERIALS	Granular Sub Base	Sieve Analysis (Sieve size : 0.075, 0.425, 0.850, 2.36, 4.75, 9.50, 26.5, 53.0, 75.0 mm)	IS 2386 Part 1
216	MECHANICAL- BUILDINGS MATERIALS	Micro Silica	Compressive strength by percent over control sample	IS 1727



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217	MECHANICAL- BUILDINGS MATERIALS	Micro silica	Oversize percent retained on 45 micron IS Sieve	IS 1727
218	MECHANICAL- BUILDINGS MATERIALS	Micro silica	Oversize percent retained on 45 micron IS Sieve, variation from average percent	IS 1727
219	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Paving Block	Compressive Strength	IS 15658
220	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Paving Block	Dimension (L x W x H)	IS 15658
221	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Paving Block	Water Absorption	IS 15658
222	MECHANICAL- BUILDINGS MATERIALS	Spring Washer	Dimension (Width)	DIN-128
223	MECHANICAL- BUILDINGS MATERIALS	Tiles (Ceramic/ Vitrified)	Modulus of Rupture	IS 13630 Part 6
224	MECHANICAL- BUILDINGS MATERIALS	Tiles (Ceramic/ Vitrified)	Water Absorption	IS 13630 (Part 2)
225	MECHANICAL- BUILDINGS MATERIALS	Wet Mix Macadam	Combine Flakiness & Elongation	IS 2386 (Part 1)
226	MECHANICAL- BUILDINGS MATERIALS	Wet Mix Macadam	Impact Value	IS 2386 Part 4
227	MECHANICAL- BUILDINGS MATERIALS	Wet Mix Macadam	Liquid Limit	IS 2720 (Part 5)
228	MECHANICAL- BUILDINGS MATERIALS	Wet Mix Macadam	Sieve Analysis	IS 2386 Part 1
229	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Hot Rolled Steel (Round and Square Bar)	Dimension- Diameter	IS 1732
230	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Hot Rolled Steel (Round and Square Bar)	Dimension- Side Width	IS 1732
231	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Cu-Cu Alloy, Al-Al Alloy, Ni-Ni Alloy, Ti-Ti Alloy	Tensile Test (0.2% PS)	IS 1608 (Part 1)
232	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Fasteners (Bolt & Stud)	Proof Load Test	IS 1367 (Part-3)
233	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Fasteners (Bolt & Stud)	Tensile Test (% E)	ISO 898 (Part 1)



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234	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners (Bolt & Stud)	Tensile Test (% RA)	IS 1367 (Part 3)
235	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners (Bolt & Stud)	Tensile Test (% RA)	ISO 898 (Part 1)
236	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners (Bolt & Stud)	Tensile Test (UTS)	IS 1367 (Part 3)
237	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners (Bolt & Stud)	Tensile Test (UTS)	ISO 898 (Part 1)
238	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners (Bolt & Stud)	Tensile Test (YS)	IS 1367 (Part 3)
239	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners (Bolt)	Wedge Test	IS 1367 (Part 3)
240	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners (Nut)	Rockwell Hardness (HRC)	ISO 898-2
241	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners (Nut)	Rockwell Hardness (HRC)	IS 1367 (Part 6)
242	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fasteners (Nuts)	Proof Load Test	IS 1367 (Part-6)
243	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials & Products	Charpy Impact Test	IS 1757 (Part 1)
244	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials & Products	Izod Impact Test	IS 1598
245	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials & Products - Steel, Steel Alloy, Cast Iron, Cu-Cu Alloy, Al-Al Alloy, Ni-Ni Alloys, Ti-Ti Alloys	Brinell Hardness Test (10 mm/ 3000 kgf)	ASTM E10
246	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials & Products - Steel, Steel Alloy, Cast Iron, Cu-Cu Alloy, Al-Al Alloy, Ni-Ni Alloys, Ti-Ti Alloys	Brinell Hardness Test (10 mm/3000 kgf)	IS 1500 (Part 1 & 2)
247	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials & Products - Steel, Steel Alloy, Cast Iron, Cu-Cu Alloy, Al-Al Alloy, Ni-Ni Alloys, Ti-Ti Alloys	Brinell Hardness Test (5 mm/750 kgf)	ASTM E10



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248	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials & Products - Steel, Steel Alloy, Cast Iron, Cu-Cu Alloy, Al-Al Alloy, Ni-Ni Alloys, Ti-Ti Alloys	Izod Impact Test	IS 1598
249	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials & Products - Steel, Steel Alloy, Cast Iron, Cu-Cu Alloy, Al-Al Alloy, Ni-Ni Alloys, Ti-Ti Alloys	Rockwell Hardness Test (HRBW)	ASTM E18
250	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials & Products - Steel, Steel Alloy, Cast Iron, Cu-Cu Alloy, Al-Al Alloy, Ni-Ni Alloys, Ti-Ti Alloys	Rockwell Hardness Test (HRBW)	IS 1586 (Part 1)
251	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials & Products - Steel, Steel Alloy, Cast Iron, Cu-Cu Alloy, Al-Al Alloy, Ni-Ni Alloys, Ti-Ti Alloys	Rockwell Hardness Test (HRC)	ASTM E18
252	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials & Products - Steel, Steel Alloy, Cast Iron, Cu-Cu Alloy, Al-Al Alloy, Ni-Ni Alloys, Ti-Ti Alloys	Rockwell Hardness Test (HRC)	IS 1586 (Part 1)
253	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Materials & Products- Steel, Steel Alloy, Cast Iron, Cu-Cu Alloy, Al-Al Alloy, Ni-Ni Alloys, Ti-Ti Alloys	Brinell Hardness Test (5 mm/ 750 kgf)	IS 1500 (Part 1)
254	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials & Products - Steel, Steel Alloy, S.S.	Rockwell Hardness Test (HRBW)	ASTM A370
255	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials & Products- Steel, Steel Alloy, S.S.	Rockwell Hardness Test (HRC)	ASTM A370
256	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Product - Steel, Steel Alloy, S.S	Brinell Hardness Test (5 mm/750 kgf)	ASTM A370
257	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Product - Steel, Steel Alloy, S.S.	Brinell Hardness Test (10 mm/3000 kgf)	ASTM A370
258	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Products - Steel, Steel Alloy, Cast Iron	Tensile Test (% E)	IS 1608 (Part 1)
259	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Products - Steel, Steel Alloy, Cast Iron	Tensile Test (% RA)	IS 1608 (Part 1)
260	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Products - Steel, Steel Alloy, Cast Iron	Tensile Test (0.1% PS)	IS 1608 (Part 1)
261	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Products - Steel, Steel Alloy, Cast Iron	Tensile Test (UTS)	IS 1608 (Part 1)



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262	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Products - Steel, Steel Alloy, Cast Iron	Tensile Test (YS)	IS 1608 (Part 1)
263	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Flat/Pack Washer	Dimension (Diameter)	BS 4320
264	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Flat/Pack Washer	Dimension (Diameter)	IS 2016
265	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Flat/Pack Washer	Dimension (Diameter)	IS 5369
266	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Flat/Pack Washer	Dimension (Thickness)	BS 4320
267	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Flat/Pack Washer	Dimension (Thickness)	IS 2016
268	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Flat/Pack Washer	Dimension (Thickness)	IS 5369
269	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High Strength Deformed Steel Bars, Reinforcement Bar, TMT	Bend Test (Mandrel dia.: 8,10,12,15,16,18,20,24,25,28, 30,32,35,36,40,42,48,50,56,60,64,70,72,75,80,84,96,100,108,112,120,125,128,140,144,150,160,168,175,180,192,196,200,216,224,240,252,256)	IS 1599
270	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High Strength Deformed Steel Bars, Reinforcement Bar, TMT	Re-bend Test (Mandrel dia.: 8,10,12,15,16,18,20,24,25,28, 30,32,35,36,40,42,48,50,56,60,64,70,72,75,80,84,96,100,108,112,120,125,128,140,144,150,160,168,175,180,192,196,200,216,224,240,252,256)	IS 1786
271	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High Strength Deformed Steel Bars, Reinforcement Bar, TMT	Tensile Test (% E)	IS 1608 (Part 1)
272	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High Strength Deformed Steel Bars, Reinforcement Bar, TMT	Tensile Test (UTS)	IS 1608 (Part 1)
273	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High Strength Deformed Steel Bars, Reinforcement Bar, TMT	Tensile Test (YS)	IS 1608 (Part 1)



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274	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High Strength Deformed Steel Bars, Reinforcement Bar, TMT	Dimension (Diameter)	IS 1786
275	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High Strength Deformed Steel Bars, Reinforcement Bar, TMT	Dimension (Length)	IS 1786
276	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High Strength Deformed Steel Bars, Reinforcement Bar, TMT	Mass/ unit Length	IS 1786
277	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High Strength Deformed Steel Bars, Reinforcement Bar, TMT	Tensile Test (0.2% PS)	IS 1608 (Part 1)
278	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hot Rolled Steel (Beam, Column, Channel, Angle)	Dimension - Angle	IS 808
279	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hot Rolled Steel (Beam, Column, Channel, Angle)	Dimension - Depth D	IS 808
280	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hot Rolled Steel (Beam, Column, Channel, Angle)	Dimension - Flange Width B	IS 808
281	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hot Rolled Steel (Beam, Column, Channel, Angle)	Dimension - Leg Length	IS 808
282	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hot Rolled Steel (Beam, Column, Channel, Angle)	Dimension - Radius	IS 808
283	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hot Rolled Steel (Beam, Column, Channel, Angle)	Dimension -Thickness	IS 808
284	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hot Rolled Steel (Beam, Column, Channel, Angle)	Mass per meter	IS 808
285	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hot Rolled Steel (Bulb Angle)	Dimension - Bulb Projection (D)	IS 1252
286	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hot Rolled Steel (Bulb Angle)	Dimension - Radius	IS 1252
287	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hot Rolled Steel (Bulb Angle)	Dimension - Thickness	IS 1252



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288	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Hot Rolled Steel (Bulb Angle)	Dimension - Width (b)	IS 1252
289	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Hot Rolled Steel (Bulb Angle)	Dimension -Depth (h)	IS 1252
290	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Hot Rolled Steel (Bulb Angle)	Mass per meter	IS 1252
291	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Hot Rolled Steel (Channel Section)	Dimension - Angle	IS 3954
292	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Hot Rolled Steel (Channel Section)	Dimension - Depth (h)	IS 3954
293	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Hot Rolled Steel (Channel Section)	Dimension - Radius	IS 3954
294	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Hot Rolled Steel (Channel Section)	Dimension - Width (b)	IS 3954
295	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Hot Rolled Steel (Channel Section)	Dimension -Thickness	IS 3954
296	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Hot Rolled Steel (Channel Section)	Mass per meter	IS 3954
297	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Hot Rolled Steel (Parallel Beam and Column Section)	Dimension - Depth D	IS 12778
298	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Hot Rolled Steel (Parallel Beam and Column Section)	Dimension - Radius	IS 12778
299	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Hot Rolled Steel (Parallel Beam and Column Section)	Dimension - Thickness	IS 12778
300	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Hot Rolled Steel (Parallel Beam and Column Section)	Dimension -Flange Width B	IS 12778
301	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Hot Rolled Steel (Parallel Beam and Column Section)	Mass per meter	IS 12778



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302	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hot Rolled Steel (Plate, Sheet Strips and Flats)	Dimension - Length	IS 1730
303	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hot Rolled Steel (Plate, Sheet Strips and Flats)	Dimension - Thickness	IS 1730
304	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hot Rolled Steel (Plate, Sheet Strips and Flats)	Dimension - Width	IS 1730
305	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hot Rolled Steel (Plate, Sheet, Strips and Flats)	Mass per meter	IS 1730
306	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hot Rolled Steel (Round and Square Bar)	Mass per meter	IS 1732
307	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal and Alloys (Plate, Rod & Sheet)	Bend Test (Mandrel dia.: 8,10,12,15,16,18,20,24,25,28, 30,32,35,36,40,42,48,50,56,60, 64,70,72,75,80,84,96,100,108, 112,120,125,128,140,144,150)	ASTM A370
308	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal and Alloys (Plate, Rod & Sheet)	Bend Test (Mandrel dia.: 8,10,12,15,16,18,20,24,25,28, 30,32,35,36,40,42,48,50,56,60, 64,70,72,75,80,84,96,100,108, 112,120,125,128,140,144,150, 160,168,175,180,192,196,200, 216,224,240,252,256)	IS 1599
309	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Products - Cu-Cu Alloy, Al-Al Alloy, Ni-Ni Alloy, Ti-Ti Alloy	Tensile Test (% E)	IS 1608 (Part 1)
310	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Products - Cu-Cu Alloy, Al-Al Alloy, Ni-Ni Alloy, Ti-Ti Alloy	Tensile Test (% RA)	IS 1608 (Part 1)
311	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Products - Cu-Cu Alloy, Al-Al Alloy, Ni-Ni Alloy, Ti-Ti Alloy	Tensile Test (0.1% PS)	IS 1608 (Part 1)
312	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Products - Cu-Cu Alloy, Al-Al Alloy, Ni-Ni Alloy, Ti-Ti Alloy	Tensile Test (UTS)	IS 1608 (Part 1)
313	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Products - Cu-Cu Alloy, Al-Al Alloy, Ni-Ni Alloy, Ti-Ti Alloy	Tensile Test (YS)	IS 1608 (Part 1)
314	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Spring Washer	Dimension (Diameter)	DIN-128

This is annexure to 'Certificate of Accreditation' and does not require any signature.



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315	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Spring Washer	Dimension (Diameter)	BS 4464
316	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Spring Washer	Dimension (Free Height)	IS 3063
317	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Spring Washer	Dimension (Thickness)	DIN -128
318	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Spring Washer	Dimension (Diameter)	IS 3063
319	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Spring Washer	Dimension (Free Height)	BS 4464
320	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Spring Washer	Dimension (Free Height)	DIN -128
321	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Spring Washer	Dimension (Thickness)	BS 4464
322	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Spring Washer	Dimension (Thickness)	IS 3063
323	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Spring Washer	Dimension (Width)	BS 4464
324	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Spring Washer	Dimension (Width)	IS 3063
325	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Spring Washer	Dimensions (Width)	DIN-128
326	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Spring Washer	Permanent Load Test	BS 4464
327	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Spring Washer	Permanent Load Test	DIN 267 - 5
328	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Spring Washer	Permanent Load Test	IS 3063



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329	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Spring Washer	Permanent Set Test	IS 3063
330	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Spring Washer	Twist Test	BS 4464
331	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Spring Washer	Twist Test	DIN-127
332	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Spring Washer	Twist Test	IS 3063
333	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel, Steel Alloy, Cast Iron	Tensile Test (0.2% PS)	IS 1608 (Part 1)
334	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel, Steel Alloy, Cast Iron	Tensile Test (YS)	ISO 898 (Part 1)
335	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Weld Metal (Ferrous)	Face Bend (Butt Weld)	ASME Section IX (Clause 462.3)
336	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Weld Metal (Ferrous)	Root Bend (Butt Weld)	ASME Section IX (Clause 462.3)
337	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Weld Metal (Ferrous)	Side Bend (Butt Weld)	ASME Section IX (Clause 462.2)
338	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Metal	Tensile Test (UTS)	ASME Section IX
339	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Metal(Nickel & Alloys)	Tensile Test (UTS)	BS EN ISO 15614
340	MECHANICAL- SOIL AND ROCKS	Rock	Point Load Test	IS 8764
341	MECHANICAL- SOIL AND ROCKS	Rock/ Stone	specific Gravity	IS 13030
342	MECHANICAL- SOIL AND ROCKS	soil	Direct Shear Test - Angle of friction (θ)	IS 2720 (Part-13)
343	MECHANICAL- SOIL AND ROCKS	Soil	Direct Shear Test - Cohesion (C)	IS 2720 (Part-13)
344	MECHANICAL- SOIL AND ROCKS	Soil	Swelling Pressure	IS 2720 (Part 41)



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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
345	MECHANICAL- SOIL AND ROCKS	Soil	Triaxial Shear by Unconsolidated Undrained (UU) Method Without Measurement of Pore Water Pressure (Cohesion)	IS 2720 (Part-11)
346	MECHANICAL- SOIL AND ROCKS	Soil	Triaxial Shear by Unconsolidated Undrained (UU) Method Without Measurement of Pore Water Pressure (Angle of friction)	IS 2720 (Part 11)
347	MECHANICAL- SOIL AND ROCKS	Soil / Murroom	Consolidation Test- Coefficient of Consolidation	IS 2720 (Part 15)
348	MECHANICAL- SOIL AND ROCKS	Soil/ Murrum	California Bearing Ratio	IS 2720 (Part-16)
349	MECHANICAL- SOIL AND ROCKS	Soil/ Murrum	Free Swell Index	IS 2720 (Part 40)
350	MECHANICAL- SOIL AND ROCKS	Soil/ Murrum	Grain Size Analysis (Sieve Size: 2 µm to 63 mm)	IS 2720 (Part 4)
351	MECHANICAL- SOIL AND ROCKS	Soil/ Murrum	Heavy Compaction (MDD)	IS 2720 (Part 8)
352	MECHANICAL- SOIL AND ROCKS	Soil/ Murrum	Heavy Compaction (OMC)	IS 2720 (Part 8)
353	MECHANICAL- SOIL AND ROCKS	Soil/ Murrum	Light Compaction (MDD)	IS 2720 (Part 7)
354	MECHANICAL- SOIL AND ROCKS	Soil/ Murrum	Light Compaction (OMC)	IS 2720 (Part 7)
355	MECHANICAL- SOIL AND ROCKS	Soil/ Murrum	Liquid Limit	IS 2720 (Part 5)
356	MECHANICAL- SOIL AND ROCKS	Soil/ Murrum	Moisture/ Water Content	IS 2720 (Part 2)
357	MECHANICAL- SOIL AND ROCKS	Soil/ Murrum	Plastic Limit	IS 2720 (Part 5)
358	MECHANICAL- SOIL AND ROCKS	Soil/ Murrum	Shrinkage Limit	IS 2720 (Part 6)
359	MECHANICAL- SOIL AND ROCKS	Soil/ Murrum	Specific Gravity	IS 2720 (Part 3)
360	MECHANICAL- SOIL AND ROCKS	Soil/ Murrum/ Rock	Soil Classification test	IS 1498
361	MECHANICAL- SOIL AND ROCKS	Soil/Murrum	Consolidation- Compression Index (Cc)	IS 2720 (Part 15)
362	MECHANICAL- SOIL AND ROCKS	Soil/Murrum	Sieve Analysis (Hydrometer Analysis)	IS 2720 (Part 4 Cl 5.2)

This is annexure to 'Certificate of Accreditation' and does not require any signature.



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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
363	MECHANICAL- SOIL AND ROCKS	Stone/ Rock	Saturated/ Dry Density	IS 13030
364	MECHANICAL- SOIL AND ROCKS	Stone/ Rock	Uniaxial Compressive Strength	IS 9143
365	MECHANICAL- SOIL AND ROCKS	Stone/ Rock	Water Content	IS 13030
366	MECHANICAL- SOIL AND ROCKS	Stones/ Rock	Porosity	IS 13030
367	MECHANICAL- WOOD AND WOOD PRODUCTS	Particle Board	Density	IS 2380 (Part-3)
368	MECHANICAL- WOOD AND WOOD PRODUCTS	Particle Board	Moisture Content	IS 2380 (Part 3)
369	MECHANICAL- WOOD AND WOOD PRODUCTS	Particle Board	Swelling in Water	IS 2380 (Part 17)
370	MECHANICAL- WOOD AND WOOD PRODUCTS	Particle Board	Water Absorption	IS 2380 (Part 16)
371	MECHANICAL- WOOD AND WOOD PRODUCTS	Timber	Moisture Content	IS 1708 (Part 1)
372	MECHANICAL- WOOD AND WOOD PRODUCTS	Timber	Specific Gravity	IS 1708 (Part 2)
373	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Rebound Hammer	IS 516 (Part-5 Sec 4)
374	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Ultrasonic Pulse Velocity	IS 516 (Part-5/Sec-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
Site Testing				
1	MECHANICAL- SOIL AND ROCKS	soil	In situ density test by sand replacement method	IS 2720 (Part 28)
2	MECHANICAL- SOIL AND ROCKS	Soil	In situ dry density test by core cutter method	IS 2720 (Part 29)
3	MECHANICAL- SOIL AND ROCKS	Soil & Rock	Pullout Test on Anchor Bar And Rock Bolt	IS 11309
4	MECHANICAL- SOIL AND ROCKS	Soil/ Murrum	Plate Load Test	IS 1888
5	MECHANICAL- SOIL AND ROCKS	Soil/Murrum	Modulus Of Subgrade Reaction (K-value)	IS 9214
6	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Rebound Hammer	IS 516 (Part-5 Sec 4)
7	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Ultrasonic Pulse Velocity	IS 516 (Part-5/Sec-1)

NOTE- The Laboratory has demonstrated competence for the stated scope for WATER. This however does not fully cover the specification requirements of BIS for the Packaged Drinking Water as per IS 14543 and the Packaged Natural Mineral Water IS 13428.