National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SUPERINTENDENCE COMPANY OF INDIA PRIVATE LIMITED, TESTING LABORATORIES, PLOT Y-23, BLOCK-EP, SECTOR-V, SALT LAKE CITY, KOLKATA, WEST BENGAL, INDIA

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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- ATMOSPHERIC POLLUTION	Ambient Air	Ammonia	SUP/SOP/401, issue No: 1
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Arsenic	EPA Chapter IO-3, Method IO-3.4
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Carbon Monoxide	IS 5182, Part X,c
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Lead	EPA Chapter IO-3, Method IO-3.4
5	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Nickel	EPA Chapter IO-3, Method IO-3.4
6	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Nitrogen Dioxide as NO2	IS 5182, Part VI
7	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Ozone	IS 5182, Part IX
8	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	PM 2.5	IS 5182:Part 24
9	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	PM10	IS 5182, Part 23
10	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	SPM	IS 5182, Part IV
11	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Sulphur Dioxide SO2	IS 5182, Part II
12	CHEMICAL- ATMOSPHERIC POLLUTION	Fugitive Emission	Ammonia	SOP SUP/SOP/401, issue No:1
13	CHEMICAL- ATMOSPHERIC POLLUTION	Fugitive Emission	Arsenic	EPA Chapter IO-3, Method IO-3.4
14	CHEMICAL- ATMOSPHERIC POLLUTION	Fugitive Emission	Carbon Monoxide	IS 5182, Part X,c
15	CHEMICAL- ATMOSPHERIC POLLUTION	Fugitive Emission	Lead	EPA Chapter IO-3, Method IO-3.4
16	CHEMICAL- ATMOSPHERIC POLLUTION	Fugitive Emission	Nickel	EPA Chapter IO-3, Method IO-3.4
17	CHEMICAL- ATMOSPHERIC POLLUTION	Fugitive Emission	Nitrogen Dioxide NO2	IS 5182, Part VI
18	CHEMICAL- ATMOSPHERIC POLLUTION	Fugitive Emission	Ozone	IS 5182, Part IX

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
19	CHEMICAL- ATMOSPHERIC POLLUTION	Fugitive Emission	PM 10	IS 5182, Part 23
20	CHEMICAL- ATMOSPHERIC POLLUTION	Fugitive Emission	PM 2.5	IS 5182:Part 24
21	CHEMICAL- ATMOSPHERIC POLLUTION	Fugitive Emission	SPM	IS 5182, Part IV
22	CHEMICAL- ATMOSPHERIC POLLUTION	Fugitive Emission	Sulphur as SO2	IS 5182, Part II
23	CHEMICAL- ATMOSPHERIC POLLUTION	Noise monitoring	Ambient noise in Leq (A)	IS 9989
24	CHEMICAL- ATMOSPHERIC POLLUTION	Stack gases	Oxides of Nitrogen	IS: 11255, Part VII
25	CHEMICAL- ATMOSPHERIC POLLUTION	Stack gases	Particulate matter	IS 11255, Part I
26	CHEMICAL- ATMOSPHERIC POLLUTION	Stack gases	Sulphur Dioxide	IS 11255, Part II
27	CHEMICAL- BUILDING MATERIAL	OPC	Alumina	IS 4032, Cl 4.6.1
28	CHEMICAL- BUILDING MATERIAL	OPC	Calcium Oxide	IS 4032, Cl 4.7.2
29	CHEMICAL- BUILDING MATERIAL	OPC	Ferric Oxide	IS 4032, Cl 4.5.1
30	CHEMICAL- BUILDING MATERIAL	OPC	Insoluble Residue	IS 4032, Cl 4.10
31	CHEMICAL- BUILDING MATERIAL	OPC	Loss on Ignition	IS 4032, Cl 4.2
32	CHEMICAL- BUILDING MATERIAL	OPC	Magnesium Oxide	IS 4032, Cl 4.8.2
33	CHEMICAL- BUILDING MATERIAL	OPC	Silica	IS 4032, Cl 4.3
34	CHEMICAL- BUILDING MATERIAL	OPC	Sulphuric Anhydride	IS 4032, Cl 4.9
35	CHEMICAL- BUILDING MATERIAL	PPC	Insoluble Residue	IS 4032, Cl 7.4 &4.10
36	CHEMICAL- BUILDING MATERIAL	PPC	Loss on Ignition	IS 4032, Cl 7.1 & 4.2
37	CHEMICAL- BUILDING MATERIAL	PPC	Magnesium Oxide	IS 4032, Cl 7.2.2

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38	CHEMICAL- BUILDING MATERIAL	PPC	Sulphuric Anhydride	IS 4032, Cl 7.3 & 4.9
39	CHEMICAL- BUILDING MATERIAL	PSC	Insoluble Residue	IS 4032, Cl 6.9 & 4.10
40	CHEMICAL- BUILDING MATERIAL	PSC	Loss on Ignition	IS 4032, Cl 6.2 & 4.2
41	CHEMICAL- BUILDING MATERIAL	PSC	Magnesium Oxide	IS 4032, Cl 6.8.2
42	CHEMICAL- BUILDING MATERIAL	PSC	Sulphur as Sulphide	IS 4032, Cl. No. 6.12
43	CHEMICAL- BUILDING MATERIAL	PSC	Sulphur Trioxide	IS 4032, Cl 6.11
44	CHEMICAL- METALS & ALLOYS	Alloy steel	Carbon	IS 228, Part I
45	CHEMICAL- METALS & ALLOYS	Alloy Steel	Chromium	IS 228, Part VI
46	CHEMICAL- METALS & ALLOYS	alloy Steel	Manganese	IS 228, Part II
47	CHEMICAL- METALS & ALLOYS	Alloy Steel	Nickel	IS 228, Part V
48	CHEMICAL- METALS & ALLOYS	Alloy Steel	Phosphorous	IS 228, Part III
49	CHEMICAL- METALS & ALLOYS	Alloy Steel	Silicon	IS 228, Part VIII
50	CHEMICAL- METALS & ALLOYS	Alloy Steel	Sulphur	IS 228, Part IX
51	CHEMICAL- METALS & ALLOYS	Mild Steel & Carbon steel	Carbon	IS 228, Part I
52	CHEMICAL- METALS & ALLOYS	Mild Steel & Carbon Steel	Chromium	IS 228, Part VI
53	CHEMICAL- METALS & ALLOYS	Mild Steel & Carbon Steel	Manganese	IS 228, Part II
54	CHEMICAL- METALS & ALLOYS	Mild Steel & Carbon Steel	Nickel	IS 228, Part V
55	CHEMICAL- METALS & ALLOYS	Mild Steel & Carbon Steel	Phosphorous	IS 228, Part III
56	CHEMICAL- METALS & ALLOYS	Mild Steel & Carbon Steel	Silicon	IS 228, Part VIII

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57	CHEMICAL- METALS & ALLOYS	Mild Steel & Carbon Steel	Sulphur	IS 228, Part IX
58	CHEMICAL- ORES & MINERALS	Bauxite	Aluminium Oxide	IS 2000, Part III
59	CHEMICAL- ORES & MINERALS	Bauxite	Bulk Density	IS 5842
60	CHEMICAL- ORES & MINERALS	Bauxite	Ferric Oxide	IS 2000, Part IV
61	CHEMICAL- ORES & MINERALS	Bauxite	Loss on Ignition	IS 2000, Part I
62	CHEMICAL- ORES & MINERALS	Bauxite	Phosphorous Pentaoxide	IS 2000, Part VII
63	CHEMICAL- ORES & MINERALS	Bauxite	Silica	IS 2000, Part II
64	CHEMICAL- ORES & MINERALS	Bauxite	Titania (TiO2)	IS 2000, Part V
65	CHEMICAL- ORES & MINERALS	Chrome Ore	Bulk Density	IS 5842
66	CHEMICAL- ORES & MINERALS	Chrome Ore	Chromium Oxide	IS 4737
67	CHEMICAL- ORES & MINERALS	Chrome Ore	Iron Oxide	IS 4737
68	CHEMICAL- ORES & MINERALS	Chrome Ore	Silica	IS 4737
69	CHEMICAL- ORES & MINERALS	Iron Ore	Alumina	IS 1493, Part I
70	CHEMICAL- ORES & MINERALS	Iron Ore	Bulk Density	IS 5842
71	CHEMICAL- ORES & MINERALS	Iron Ore	Calcium Oxide	IS 1493
72	CHEMICAL- ORES & MINERALS	Iron Ore	Magnesium Oxide	IS 1493
73	CHEMICAL- ORES & MINERALS	Iron Ore	Moisture%	IS 1493, P-1
74	CHEMICAL- ORES & MINERALS	Iron Ore	Phosphorous	IS 1493, Part I
75	CHEMICAL- ORES & MINERALS	Iron Ore	Potassium Oxide	IS 1493, Part VI

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76	CHEMICAL- ORES & MINERALS	Iron Ore	Sodium Oxide	IS 1493, Part VI
77	CHEMICAL- ORES & MINERALS	Iron Ore	Sulphur	IS 1493
78	CHEMICAL- ORES & MINERALS	Iron Ore	Total Iron	IS 1493, Part I
79	CHEMICAL- ORES & MINERALS	Iron Ores	Loss on Ignition	IBM, Nagpur
80	CHEMICAL- ORES & MINERALS	Iron Ores	Silica	IS 1493, Part I
81	CHEMICAL- ORES & MINERALS	Limestone & Dolomite	Alumina	IS 1760, Part III
82	CHEMICAL- ORES & MINERALS	Limestone & Dolomite	Calcium Oxide	IS 1760, Part III
83	CHEMICAL- ORES & MINERALS	Limestone & Dolomite	Ferric Oxide	IS 1760, Part III
84	CHEMICAL- ORES & MINERALS	Limestone & Dolomite	Loss on Ignition	IS 1760, Part I
85	CHEMICAL- ORES & MINERALS	Limestone & Dolomite	Magnesium Oxide	IS1760, Part III
86	CHEMICAL- ORES & MINERALS	Limestone & Dolomite	Potassium Oxide	IS 9497
87	CHEMICAL- ORES & MINERALS	Limestone & Dolomite	Silica	IS 1760, Part II
88	CHEMICAL- ORES & MINERALS	Limestone & Dolomite	Sodium Oxide	IS 9497
89	CHEMICAL- ORES & MINERALS	Manganese Ore	Alumina	IS 1473
90	CHEMICAL- ORES & MINERALS	Manganese Ore	Bulk Density	IS 5842
91	CHEMICAL- ORES & MINERALS	Manganese Ore	Calcium Oxide	IS 1473
92	CHEMICAL- ORES & MINERALS	Manganese ore	Iron	IS 1473
93	CHEMICAL- ORES & MINERALS	Manganese Ore	Magnesium Oxide	IS 1473
94	CHEMICAL- ORES & MINERALS	Manganese Ore	Manganese	IS 1473

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95	CHEMICAL- ORES & MINERALS	Manganese Ore	Manganese Dioxide	IS 1473
96	CHEMICAL- ORES & MINERALS	Manganese Ore	Phosphorous	IS 1473
97	CHEMICAL- ORES & MINERALS	Manganese Ore	Potassium Oxide	IS 9497
98	CHEMICAL- ORES & MINERALS	Manganese Ore	Silica	IS 1473
99	CHEMICAL- ORES & MINERALS	Manganese Ore	Sodium Oxide	IS 9497
100	CHEMICAL- ORES & MINERALS	Manganese Ore	Sulphur	IS 1473
101	CHEMICAL- ORES & MINERALS	Rock Phosphate	Aluminium oxide	IS 11224
102	CHEMICAL- ORES & MINERALS	Rock Phosphate	Calcium Oxide	IS 9386
103	CHEMICAL- ORES & MINERALS	Rock Phosphate	Iron Oxide	IS 11224
104	CHEMICAL- ORES & MINERALS	Rock Phosphate	Loss on Ignition	IS 11224
105	CHEMICAL- ORES & MINERALS	Rock Phosphate	Magnesium Oxide	IS 11224
106	CHEMICAL- ORES & MINERALS	Rock Phosphate	Silica	IS 11224
107	CHEMICAL- ORES & MINERALS	Rock Phosphate	Total Phosphate as P2O5	IS 9386
108	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Manganese	APHA 23rd edition, 3111 B
109	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water including Effluents	Potassium as K	APHA, 23rd Edition, 3500 K B
110	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	COD	APHA,23 Edition 5220 B
111	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Mercury as Hg	IS 3025, P-48
112	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water & Effluents	Cyanide as CN	APHA, 23rd Edition, 4500 E
113	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water & Effluents	Oil & Grease	IS 3025, Part 39

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114	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water including Effluent	Chloride as Cl	IS 3025, Part 32
115	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water including Effluent	Chromium as Cr+6	APHA,23rd Edition, 3500 Cr B
116	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water including Effluent	Colour	APHA, 23rd Edition, 2120 B
117	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water including Effluent	Conductivity	IS 3025, Part 14
118	CHEMICAL- POLLUTION & ENVIRONMENT	waste water including Effluent	Lead	APHA, 23rd Edition, 3120 B
119	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water including Effluent	pH	IS 3025, Part 11
120	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water including Effluent	Residual Free Chlorine	IS 3025, Part 26
121	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water including Effluent	Turbidity	IS 3025, Part 10
122	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water including Effluents	Ammoniacal Nitrogen as NH3-N	IS 3025, Part 34
123	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water including Effluents	Arsenic	APHA, 23rd Edition, 3120-B
124	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water including Effluents	BOD at 27 C for 3 days	IS 3025, Part 44
125	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water including Effluents	Boron as B	APHA, 23rd Edition, 4500 B-B
126	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water including Effluents	Cadmium	APHA, 23rd Edition, 3120-B,
127	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water including Effluents	Cadmium as Cd	APHA,23rd Edition, 3111 B&C
128	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water including Effluents	Calcium Ca	APHA, 23rd Edition, 3500 Ca B
129	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water including Effluents	Copper as Cu	APHA, 23rd Edition, 3111 B&C
130	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water including Effluents	Dissolved Oxygen	APHA,23rd Edition, 4500- O C
131	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water including Effluents	Fluoride	APHA,23rd Edition,4500F-D
132	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water including Effluents	Iron as Fe	APHA, 23rd Edition, 3111 B

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133	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water including Effluents	Magnesium Mg	APHA, 23rd Edition, 3500 Mg B
134	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water including Effluents	Nickel	APHA, 23rd Edition, 3120-B
135	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water including Effluents	Nitrate as NO3	APHA, 23rd Edition, 4500 NO3 B & C
136	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water including Effluents	Nitrite as NO2	APHA, 23rd Edition, 4500 NO2 B
137	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water Including Effluents	Nitrogen (Organic) as NH3 (Kjeldahl)	IS 3025, Part 34
138	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water including Effluents	Phenolic Compounds as C6H5OH	APHA,23rd Edition, 5530 D
139	CHEMICAL- POLLUTION & ENVIRONMENT	waste Water including Effluents	Phosphorous as P	APHA,23rd Edition, 4500-P D
140	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water including Effluents	Silica	APHA, 23rd Edition, 4500 SiO2 C&D
141	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water including Effluents	Sodium as Na	APHA, 23rd Edition, 3500 Na B
142	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water including Effluents	Total Chromium	APHA, 23rd Edition, 3111 B&C
143	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water including Effluents	Total Filterable Residue (TDS)	IS 3025, Part 16
144	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water including Effluents	Total Hardness as CaCO3	APHA, 23rd Edition, 2340 C
145	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water including Effluents	Total Non filterable Residue (TSS)	APHA, 23rd Edition, 2540 D
146	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water including Effluents	Total Solids	APHA, 23rd Edition, 2540-B
147	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water including Effluents	Zinc as Zn	APHA, 23rd Edition, 3111 B&C
148	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water including Effruents	Alkalinity as CaCO3	APHA,23rd Edition, 2320 B
149	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water(effluentsSewarage)	Coliform	IS 1622
150	CHEMICAL- RESIDUES IN WATER	Drinking water	Lead	APHA 23rd edition 3120-B
151	CHEMICAL- RESIDUES IN WATER	Cooling water	Cadmium as Cd	APHA 23rd edition 3111 B&C

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152	CHEMICAL- RESIDUES IN WATER	Cooling water	Calcium as Ca	APHA 23rd edition 3500 CA B
153	CHEMICAL- RESIDUES IN WATER	Cooling water	Chromium as Cr+6	APHA 23rd edition 3500 B
154	CHEMICAL- RESIDUES IN WATER	Cooling water	Copper as Cu	APHA 23 edition 3111 B&C
155	CHEMICAL- RESIDUES IN WATER	Cooling water	Iron as Fe	APHA 23rd edition 3111B
156	CHEMICAL- RESIDUES IN WATER	Cooling water	Magnesium as Mg	APHA 23rd edition 3500 Mg B
157	CHEMICAL- RESIDUES IN WATER	Cooling water	Potassium as K	APHA 23rd edition 3500 K B
158	CHEMICAL- RESIDUES IN WATER	Cooling water	Silica	APHA 23rd edition SiO2 C&D
159	CHEMICAL- RESIDUES IN WATER	Cooling water	Sodium as Na	APHA 23rd edition 3500 Na B
160	CHEMICAL- RESIDUES IN WATER	Cooling water	Total Chromium	APHA 23rd edition 3111 B&C
161	CHEMICAL- RESIDUES IN WATER	Cooling water	Zinc as Zn	APHA 23rd edition 3111 B&C
162	CHEMICAL- RESIDUES IN WATER	Drinking Water	Aluminium	APHA 23rd. edition 3500 Al.B
163	CHEMICAL- RESIDUES IN WATER	Drinking Water	Arsenic	APHA 23rd. edition 3120-B
164	CHEMICAL- RESIDUES IN WATER	Drinking Water	Boron as B	APHA 23rd edition 4500-B
165	CHEMICAL- RESIDUES IN WATER	Drinking Water	Cadmium	APHA 23rd. edition 3120-B
166	CHEMICAL- RESIDUES IN WATER	Drinking Water	Cadmium as Cd	APHA 23rd edition 311 B&C(AAS)
167	CHEMICAL- RESIDUES IN WATER	Drinking Water	Calcium	APHA 23rd edition 3500Ca-B
168	CHEMICAL- RESIDUES IN WATER	Drinking Water	Chromium as Cr	APHA 23rd edition 3500B
169	CHEMICAL- RESIDUES IN WATER	Drinking water	Copper as Cu	APHA 23rd edition 3111 B&C
170	CHEMICAL- RESIDUES IN WATER	Drinking water	Iron as Fe	APHA 23rd edition 3111B

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171	CHEMICAL- RESIDUES IN WATER	Drinking water	Magnesium as Mg	APHA 23rd edition 3500 Mg-B
172	CHEMICAL- RESIDUES IN WATER	Drinking water	Manganese	APHA 23rd edition 3111.B
173	CHEMICAL- RESIDUES IN WATER	Drinking water	Mercury as Hg	IS 3025, P-48
174	CHEMICAL- RESIDUES IN WATER	Drinking water	Nickel	APHA 23rd edition 3120-B
175	CHEMICAL- RESIDUES IN WATER	Drinking water	Nickel as Ni	APHA 23rd edition 3120-B
176	CHEMICAL- RESIDUES IN WATER	Drinking water	Zinc as Zn	APHA 23rd edition 3111 B&C
177	CHEMICAL- RESIDUES IN WATER	Ground water	Arsenic as As	APHA 23rd edition 3120-B
178	CHEMICAL- RESIDUES IN WATER	Ground water	Cadmium as Cd	APHA 23rd edition 3120-B
179	CHEMICAL- RESIDUES IN WATER	Ground water	Calcium as Ca	APHA 23rd edition 3500 Ca-B
180	CHEMICAL- RESIDUES IN WATER	Ground water	Chromium	APHA 23rd edition 3500 B
181	CHEMICAL- RESIDUES IN WATER	Ground water	Copper as Cu	APHA 23rd edition 3111-B&C
182	CHEMICAL- RESIDUES IN WATER	Ground water	Iron as Fe	APHA 23d edition 3111-B
183	CHEMICAL- RESIDUES IN WATER	Ground water	Lead as Pb	APHA 23rd edition 3120-B
184	CHEMICAL- RESIDUES IN WATER	Ground water	Magnesium as Mg	APHA 23rd edition 3500 Mg-B
185	CHEMICAL- RESIDUES IN WATER	Ground water	Mercury as Hg	IS 3025, P-48
186	CHEMICAL- RESIDUES IN WATER	Ground water	Zinc as Zn	APHA 23rd edition 3111-B&C
187	CHEMICAL- RESIDUES IN WATER	Packaged Drinking Water	Aluminium as Al	APHA 23rd edition 3500 Al-B
188	CHEMICAL- RESIDUES IN WATER	Packaged Drinking Water	Arsenic as As	APHA 23rd edition 3120-B
189	CHEMICAL- RESIDUES IN WATER	Packaged Drinking Water	Borate as B	APHA 23rd edition 4500 B-B

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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
190	CHEMICAL- RESIDUES IN WATER	Packaged Drinking Water	Cadmium as Cd	APHA 23rd edition 3120-B
191	CHEMICAL- RESIDUES IN WATER	Packaged Drinking Water	Calcium as Ca	APHA 23rd. edition 3500-Ca B
192	CHEMICAL- RESIDUES IN WATER	Packaged Drinking Water	Copper as Cu	APHA 23rd edition 3111 B&C
193	CHEMICAL- RESIDUES IN WATER	Packaged Drinking Water	Iron as Fe	APHA 23rd edition 3111-B&C
194	CHEMICAL- RESIDUES IN WATER	Packaged Drinking Water	Lead as Pb	APHA 23rd edition 3120-B
195	CHEMICAL- RESIDUES IN WATER	Packaged Drinking Water	Magnesium as Mg	APHA 23rd edition 3500 Mg-B
196	CHEMICAL- RESIDUES IN WATER	Packaged Drinking Water	Manganese as Mn	APHA 23rd edition 3111-B&C
197	CHEMICAL- RESIDUES IN WATER	Packaged Drinking Water	Mercury as Hg	IS 3025, P-48
198	CHEMICAL- RESIDUES IN WATER	Packaged Drinking Water	Nickel as Ni	APHA 23rd edition 3120-B
199	CHEMICAL- RESIDUES IN WATER	Packaged Drinking Water	Sodium as Na	APHA 23rd edition 3500 Na-B
200	CHEMICAL- RESIDUES IN WATER	Packaged Drinking Water	Zinc as Zn	APHA 23rd edition 3111-B&C
201	CHEMICAL- RESIDUES IN WATER	Surface Water	Arsenic as As	APHA 23rd edition 3120-B
202	CHEMICAL- RESIDUES IN WATER	Surface Water	Cadmium as Cd	APHA 23rd edition 3120-B
203	CHEMICAL- RESIDUES IN WATER	Surface Water	Calcium as Ca	APHA 23rd edition 3500 Ca-B
204	CHEMICAL- RESIDUES IN WATER	Surface Water	Chromium	APHA 23rd edition 3500-B
205	CHEMICAL- RESIDUES IN WATER	Surface Water	Copper as Cu	APHA 23rd edition 3111 B&C
206	CHEMICAL- RESIDUES IN WATER	Surface Water	Iron as Fe	APHA 23rd edition 3111-B
207	CHEMICAL- RESIDUES IN WATER	Surface Water	Lead as Pb	APHA 23rd edition 3120-B
208	CHEMICAL- RESIDUES IN WATER	Surface Water	Magnesium as Mg	APHA 23rd edition 3500 Mg-B

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209	CHEMICAL- RESIDUES IN WATER	Surface Water	Mercury a Hg	IS 3025, P-48
210	CHEMICAL- RESIDUES IN WATER	Surface Water	Zinc as Zn	APHA 23rd edition 3111 B&C
211	CHEMICAL- RESIDUES IN WATER	Swimming Pool Water	Aluminium as Al	APHA 23rd edition 3500 Al-B
212	CHEMICAL- RESIDUES IN WATER	Swimming Pool Water	Heavy Metal as Lead	APHA 23rd edition 3120-B
213	CHEMICAL- RESIDUES IN WATER	Swimming Pool Water	Iron as Fe	APHA 23rd edition 3111-B
214	CHEMICAL- SOIL AND ROCK	Soil	Available Nitrogen	SUP/SOP/ 98, Issue No 1
215	CHEMICAL- SOIL AND ROCK	Soil	Available Phosphorous as P	SUP/SOP/ 104, Issue No 1
216	CHEMICAL- SOIL AND ROCK	Soil	Available Potassium	SUP/SOP/ 110, Issue No 1
217	CHEMICAL- SOIL AND ROCK	Soil	Bicarbonate	SUP/SOP/ 135, Issue No 1
218	CHEMICAL- SOIL AND ROCK	Soil	Calcium	SUP/SOP/ 119, Issue No 1
219	CHEMICAL- SOIL AND ROCK	Soil	Carbonate	SUP/SOP/ 135, Issue No 1
220	CHEMICAL- SOIL AND ROCK	Soil	Chloride	SUP/SOP/ 137, Issue No 1
221	CHEMICAL- SOIL AND ROCK	Soil	Conductivity	SUP/SOP/ 87, Issue No 1
222	CHEMICAL- SOIL AND ROCK	Soil	Copper	SUP/SOP/ 125, Issue No 1
223	CHEMICAL- SOIL AND ROCK	Soil	Iron	SUP/SOP/ 125, Issue No 1
224	CHEMICAL- SOIL AND ROCK	Soil	Magnesium	SUP/SOP/ 119, Issue No 1
225	CHEMICAL- SOIL AND ROCK	Soil	Manganese	SUP/SOP/ 125, Issue No 1
226	CHEMICAL- SOIL AND ROCK	Soil	Organic Matter	IS 2720, Part 22
227	CHEMICAL- SOIL AND ROCK	Soil	pH	IS 2720, Part 26

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228	CHEMICAL- SOIL AND ROCK	Soil	Sodium	SUP/SOP/ 118, Issue No 1
229	CHEMICAL- SOIL AND ROCK	Soil	Total Soluble Sulphate	IS 2720, Part 27
230	CHEMICAL- SOIL AND ROCK	Soil	Zinc	SUP/SOP/ 125, Issue No 1
231	CHEMICAL- SOLID FUELS	Coal	Air Dry Moisture	IS 1350, Part I
232	CHEMICAL- SOLID FUELS	Coal	Ash	IS1350, Part I
233	CHEMICAL- SOLID FUELS	Coal	Equilibrium Moisture at 60% RH & 40°C	SUP/SOP/M60%RH&40°C
234	CHEMICAL- SOLID FUELS	Coal	Fixed Carbon	IS 1350, Part I
235	CHEMICAL- SOLID FUELS	Coal	Gross Calorific Value	ASTM, D5865
236	CHEMICAL- SOLID FUELS	Coal	Total Moisture	IS 1350, Part I
237	CHEMICAL- SOLID FUELS	Coal	Total Sulphur	IS 1350, Part III, Cl. No. 5.1
238	CHEMICAL- SOLID FUELS	Coal	Volatile Matter	IS 1350 Part I
239	CHEMICAL- WATER	Construction Water	Acidity	IS 3025, Part 22
240	CHEMICAL- WATER	Construction Water	Alkalinity	IS 3025, Part 23
241	CHEMICAL- WATER	Construction Water	Chloride as Cl	IS 3025, Part 32
242	CHEMICAL- WATER	Construction Water	Inorganic Matter	IS 3025, Part 18
243	CHEMICAL- WATER	Construction Water	Organic matter	IS 3025, Part 18
244	CHEMICAL- WATER	Construction Water	pH	IS 3025, Part II
245	CHEMICAL- WATER	Construction Water	Sulphate as SO3	IS 3025, Part 24
246	CHEMICAL- WATER	Construction Water	Suspended matter	IS 3025, Part 17
247	CHEMICAL- WATER	Cooling Water	Alkalinity as CaCO3	APHA, 23rd Edition, 2320 B
248	CHEMICAL- WATER	Cooling Water	Chloride as Cl	APHA, 23rd Edition, 4500 ClB
249	CHEMICAL- WATER	Cooling water	Cyanide as CN	APHA, 23rd Edition, 4500 E
250	CHEMICAL- WATER	Cooling Water	pH	IS 3025, Part II
251	CHEMICAL- WATER	Cooling Water	Phosphoprous as P	APHA, 23rd edition, 4500 P-C
252	CHEMICAL- WATER	Cooling Water	Total Hardness as CaCO3	APHA, 23rd Edition, 2340-C
253	CHEMICAL- WATER	Drinking Water	Fluoride	APHA 23rd edition, 4500F-D
254	CHEMICAL- WATER	Drinking Water	Alkalinity as CaCO3	IS 3025, Part 23
255	CHEMICAL- WATER	Drinking Water	Ammonia as N	IS 3025, P-34

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256	CHEMICAL- WATER	Drinking water	Chloride as Cl	IS 3025, Part 32
257	CHEMICAL- WATER	Drinking Water	Colour	APHA 23rd Edition, 2120B
258	CHEMICAL- WATER	Drinking Water	Cyanide as CN	APHA 23rd Edition, 4500 E
259	CHEMICAL- WATER	Drinking Water	Dissolved Solids	IS 3025, Part 16
260	CHEMICAL- WATER	Drinking Water	Nitrate as NO3	APHA 23rd edition, 4500 NO3 B
261	CHEMICAL- WATER	Drinking Water	pH	IS 3025, Part 11
262	CHEMICAL- WATER	Drinking Water	Phenolic Compounds as C6H5OH	APHA 23rd Edition, 5530 D
263	CHEMICAL- WATER	Drinking Water	Residual Free Chlorine	IS 3025, Part 26
264	CHEMICAL- WATER	Drinking Water	Sulphate as SO4	APHA 23rd Edition, 4500 E
265	CHEMICAL- WATER	Drinking Water	Total Hardness as CaCO3	APHA 23rd Edition, 2340 C
266	CHEMICAL- WATER	Drinking Water	Turbidity	IS 3025, Part 10
267	CHEMICAL- WATER	Ground Water	B.O.D.	IS 3025, P-44
268	CHEMICAL- WATER	Ground Water	Chloride as Cl	APHA 23rd Edition, 4500 Cl-B
269	CHEMICAL- WATER	Ground Water	Dissolved Oxygen	APHA 23rd Edition, 4500-O-C
270	CHEMICAL- WATER	Ground Water	Fluoride as F	APHA 23rd edition 4500 F-D
271	CHEMICAL- WATER	Ground Water	Nitrate as No3	APHA 23rd edition 4500 No3-B
272	CHEMICAL- WATER	Ground Water	pH	IS 3025, P-11
273	CHEMICAL- WATER	Ground Water	Phenolic Compound	APHA 23rd edition 5530-D
274	CHEMICAL- WATER	Ground Water	Sulphate as So4	APHA 23rd edition 4500-E
275	CHEMICAL- WATER	Ground Water	Total Alkalinity as CaCo3	APHA 23rd edition 2320-B
276	CHEMICAL- WATER	Ground Water	Total Dissolved Solids	IS 3025, P-16
277	CHEMICAL- WATER	Ground Water	Total Hardness as CaCo3	APHA 23rd edition 2340-C
278	CHEMICAL- WATER	Ground Water	Total Suspended Solids	APHA 23rd edition 2540-D
279	CHEMICAL- WATER	Ground Water	Turbidity	IS 3025, P-10
280	CHEMICAL- WATER	Packaged Drinking Water	Chloride as Cl	APHA 23rd edition 4500 Cl-B
281	CHEMICAL- WATER	Packaged Drinking Water	Color	APHA 23rd edition 2120-B
282	CHEMICAL- WATER	Packaged Drinking Water	Cyanide as CN	APHA 23rd edition 4500-E
283	CHEMICAL- WATER	Packaged Drinking Water	Fluoride as F	APHA 23rd edition 4500 F-D
284	CHEMICAL- WATER	Packaged Drinking Water	Nitrate as No3	APHA 23rd edition 4500 No3-B
285	CHEMICAL- WATER	Packaged Drinking Water	Nitrite as No2	APHA 23rd edition 4500 No2-B

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286	CHEMICAL- WATER	Packaged Drinking Water	pH	IS 3025, P-11
287	CHEMICAL- WATER	Packaged Drinking Water	Phenolic Compound as C6H5OH	APHA 23rd edition 5530-D
288	CHEMICAL- WATER	Packaged Drinking Water	Residual Free Chlorine	IS 3025, P-26
289	CHEMICAL- WATER	Packaged Drinking Water	Sulphate as So4	APHA 23rd edition 4500-E
290	CHEMICAL- WATER	Packaged Drinking Water	Total Alkalinity	APHA 23rd edition 2320-B
291	CHEMICAL- WATER	Packaged Drinking Water	Total Dissolved Solids	IS 3025, P-16
292	CHEMICAL- WATER	Packaged Drinking Water	Turbidity	IS 3025, P-10
293	CHEMICAL- WATER	Surface Water	BOD	IS 3025, P-44
294	CHEMICAL- WATER	Surface Water	Chloride as Cl	APHA 23rd edition 4500 Cl-B
295	CHEMICAL- WATER	Surface Water	Dissolved Oxygen	APHA 23rd edition 4500 O-C
296	CHEMICAL- WATER	Surface Water	Fluoride as F	APHA 23rd edition 4500 F-D
297	CHEMICAL- WATER	Surface Water	Nitrate as No3	APHA 23rd edition 4500 No3-B
298	CHEMICAL- WATER	Surface Water	pH	IS 3025, P-11
299	CHEMICAL- WATER	Surface Water	Phenolic Compound	APHA 23rd edition 5530-D
300	CHEMICAL- WATER	Surface Water	Sulphate as So4	APHA 23rd edition 4500-E
301	CHEMICAL- WATER	Surface Water	Total Alkalinity as CaCo3	APHA 23rd edition 2320-B
302	CHEMICAL- WATER	Surface Water	Total Dissolved Solids	IS 3025, P-16
303	CHEMICAL- WATER	Surface Water	Total Hardness as Caco3	APHA 23rd edition 2340-C
304	CHEMICAL- WATER	Surface Water	Total Suspended Solids	APHA 23rd edition 2540-D
305	CHEMICAL- WATER	Surface Water	Turbidity	IS 3025, P-10
306	CHEMICAL- WATER	Swimming Pool Water	Chloride	APHA 23rd edition 4500 cl-B
307	CHEMICAL- WATER	Swimming Pool Water	Oxygen absorbed in 4 hrs at 27 degree centigrade	IS 3025, P-63
308	CHEMICAL- WATER	Swimming Pool Water	Total Alkalinity as CaCo3	APHA 23rd edition 2320-B
309	CHEMICAL- WATER	Swimming Pool Water	Total Dissolved Solids	IS 3025, P-16
310	CHEMICAL- WATER	Swimming Pool Water	Total Residual Chlorine	IS3025, P-26
311	CHEMICAL- WATER	Swimming Pool Water	Turbidity	IS 3025, P-10
312	CHEMICAL- WATER	Water for Swimming Pool	Color	APHA 23rd Edition 2120B
313	CHEMICAL- WATER	Water for Swimming Pool	pH	IS 3025, P-11

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314	MECHANICAL-MECHANICAL PROPERTIES OF METALS	M.S. Angle(Size 50x50x6 mm)	Weight per meter	IS 808
315	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals & Alloys	% Elongation	IS 1608, Part 1
316	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals & Alloys	% Elongation	IS 1608, Part 1
317	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals & Alloys	% Reduction of Area	IS 1608, Part 1
318	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals & Alloys	% Reduction of Area	IS 1608, Part 1
319	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals & alloys	0.2% Proof Stress	IS 1608, Part 1
320	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals & Alloys	0.2% Proof Stress	IS 1608, Part 1
321	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals & Alloys	Bend	IS 1599
322	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals & Alloys	Brinell Hardness	IS 1500, Part 1
323	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals & Alloys	Brinell Hardness	IS 1500, Part 1
324	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals & Alloys	Rebend	IS 1786
325	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals & Alloys	Rockwell Hardness	IS 1586, Part 1
326	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals & Alloys	Rockwell Hardness	IS 1586, Part 1
327	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals & alloys	Ultimate Tensile Strength	IS 1608, Part 1

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328	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals & Alloys	Ultimate Tensile Strength	IS 1608, Part 1
329	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals & alloys	Yield Stress	IS 1608, Part 1
330	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals & Alloys	Yield Stress	IS 1608, Part 1
331	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High Strength Deformed Steel Bars & Wires	Nominal Mass(Weight per meter)	IS 1608, Part 1
332	MECHANICAL-MECHANICAL PROPERTIES OF METALS	M.S. Flat(Width 20 mm, thickness 6 mm)	Weight per meter	IS 1730
333	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round/ Square Bar	Weight per meter	IS 1732

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.