National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : KERALA ENVIRO INFRASTRUCTURE LIMITED - LABORATORY, INSIDE FACT-CD CAMPUS, AMBALAMEDU, KOCHI, KERALA, 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- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	pH	APHA 4500 H+ - B 23rd Edition
2	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Phenolic compounds as C6H5OH	APHA 5530 D 23rd Edition
3	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Phenolic compounds as C6H5OH	IS 3025 (Part 43)
4	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Sulphate as SO4 2-	APHA 4500-SO4 2- E 23rd Edition
5	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Sulphate as SO4 2-	IS 3025 (Part 24)
6	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Acidity as CaCO3	APHA 2310 B 23rd Edition
7	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Acidity as CaCO3	IS 3025 (Part 22)
8	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Alkalinity as CaCO3	APHA 2320 B 23rd Edition
9	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Alkalinity as CaCO3	IS 3025 (Part 23)
10	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Chromium as Cr	APHA 3111B APHA 3030D 23rd Edition
11	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Chromium as Cr	IS 3025 (Part 52)
12	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Dissolved Solids (TDS)	APHA 2540 C 23rd Edition
13	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Dissolved Solids (TDS)	IS 3025 (Part 16)
14	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Hardness as CaCO3	APHA 2340 C 23rd Edition
15	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Hardness as CaCO3	IS 3025 (Part 21)
16	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Iron as Fe	APHA 3111 B 23rd Edition
17	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Iron as Fe	IS 3025 (Part 53)
18	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Kjeldahl Nitrogen as N	APHA 4500 Norg B 23rd Edition

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19	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Suspended Solids (TSS)	APHA 2540 D 23rd Edition
20	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Suspended Solids (TSS)	IS 3025 (Part 17)
21	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Turbidity	APHA 2130 B 23rd Edition
22	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Turbidity	IS 3025 (Part 10)
23	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Zinc as Zn	APHA 3111 B 23rd Edition
24	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Zinc as Zn	IS 3025 (Part 49)
25	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Ammoniacal Nitrogen as NH3-N	APHA 4500 NH3-C 23rd Edition
26	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Biological Oxygen Demand (BOD) 3 days at 270C	IS 3025 (Part 44)
27	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Cadmium as Cd	APHA 3111 B 23rd Edition
28	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Cadmium as Cd	IS 3025 (Part 41)
29	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Calcium as Ca	APHA 3500 Ca- B 23rd Edition
30	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Calcium as Ca	IS 3025 (Part 40)
31	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Chemical Oxygen Demand (COD)	IS 3025 (Part 58)
32	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Chloride as Cl-	APHA 4500 Cl-B 23rd Edition
33	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Conductivity	APHA 2510 B 23rd Edition
34	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Copper as Cu	APHA 3111 B 23rd Edition
35	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Copper as Cu	IS 3025 (Part 42)
36	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Dissolved Oxygen	APHA 4500 O-C 23rd Edition
37	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Dissolved Oxygen	IS 3025 (Part 38)

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38	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Dissolved Phosphate as PO4 3-	APHA 4500 P-E 23rd Edition
39	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Fluoride as F-	APHA 4500 F-C 23rd Edition
40	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Fluoride as F-	IS 3025 (Part 60)
41	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Hexavalent Chromium as Cr6+	APHA 3500 Cr-B (3-71) 23rd Edition
42	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Hexavalent Chromium as Cr6+	IS 3025 (Part 52)
43	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Lead as Pb	APHA 3111 B 23rd Edition
44	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Lead as Pb	IS 3025 (Part 47)
45	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Magnesium as Mg	APHA 3500 Mg B 23rd Edition
46	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Magnesium as Mg	IS 3025 (Part 46)
47	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Nickel as Ni	APHA 3111 B 23rd Edition
48	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Nickel as Ni	IS 3025 (Part 54)
49	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Oils & Grease	APHA 5520 B 23rd Edition
50	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Oils & Grease	IS 3025 (Part 39)
51	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	pH	IS 3025 (Part 11)
52	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water(Effluents/Sewage)	Chloride as Cl-	IS 3025 (Part 32)
53	CHEMICAL- RESIDUES IN WATER	Trace metal elements	Cadmium as Cd	APHA 3111 B 23rd Edition
54	CHEMICAL- RESIDUES IN WATER	Trace metal elements	Cadmium as Cd	IS 3025 (Part 41)
55	CHEMICAL- RESIDUES IN WATER	Trace metal elements	Copper as Cu	APHA 3111 B 23rd Edition
56	CHEMICAL- RESIDUES IN WATER	Trace metal elements	Copper as Cu	IS 3025 (Part 42)

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57	CHEMICAL- RESIDUES IN WATER	Trace metal elements	Hexavalent chromium as Cr6+	APHA 3500 Cr-B (3-71) 23rd Edition
58	CHEMICAL- RESIDUES IN WATER	Trace metal elements	Hexavalent chromium as Cr6+	IS 3025 (Part 52)
59	CHEMICAL- RESIDUES IN WATER	Trace metal elements	Lead as Pb	APHA 3111 B 23rd Edition
60	CHEMICAL- RESIDUES IN WATER	Trace metal elements	Lead as Pb	IS 3025 (Part 47)
61	CHEMICAL- RESIDUES IN WATER	Trace metal elements	Nickel as Ni	APHA 3111 B 23rd Edition
62	CHEMICAL- RESIDUES IN WATER	Trace metal elements	Nickel as Ni	IS 3025 (Part 54)
63	CHEMICAL- RESIDUES IN WATER	Trace metal elements	Total Chromium as Cr	APHA 3111B APHA 3030 D 23rd Edition
64	CHEMICAL- RESIDUES IN WATER	Trace metal elements	Total Chromium as Cr	IS 3025 (Part 52)
65	CHEMICAL- RESIDUES IN WATER	Trace metal elements	Total Iron as Fe	APHA 3111 B 23rd Edition
66	CHEMICAL- RESIDUES IN WATER	Trace metal elements	Total Iron as Fe	IS 3025 (Part 53)
67	CHEMICAL- RESIDUES IN WATER	Trace metal elements	Zinc as Zn	APHA 3111 B 23rd Edition
68	CHEMICAL- RESIDUES IN WATER	Trace metal elements	Zinc as Zn	IS : 3025 (Part 49)
69	CHEMICAL- WATER	Ground Water	Ammoniacal Nitrogen as NH3-N	APHA 4500 NH3-C 23rd Edition
70	CHEMICAL- WATER	Ground Water	Biological Oxygen Demand (BOD),3days at 270C	IS 3025 (Part 44)
71	CHEMICAL- WATER	Ground Water	Calcium as Ca	APHA 3500 Ca-B 23rd Edition
72	CHEMICAL- WATER	Ground Water	Calcium as Ca	IS 3025 (Part 40)
73	CHEMICAL- WATER	Ground Water	Chemical Oxygen Demand (COD)	IS 3025 (Part 58)
74	CHEMICAL- WATER	Ground Water	Chloride as Cl-	APHA 4500 Cl- B 23rd Edition
75	CHEMICAL- WATER	Ground Water	Chloride as Cl-	IS 3025 (Part 32)
76	CHEMICAL- WATER	Ground Water	Conductivity	APHA 2510 B 23rd Edition
77	CHEMICAL- WATER	Ground Water	Dissolved Oxygen	APHA 4500 O-C 23rd Edition
78	CHEMICAL- WATER	Ground Water	Dissolved Oxygen	IS 3025 (Part 38)

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79	CHEMICAL- WATER	Ground Water	Dissolved Phosphate as PO4 3-	APHA 4500 P-E 23rd Edition
80	CHEMICAL- WATER	Ground Water	Fluoride as F-	APHA 4500 F-C 23rd Edition
81	CHEMICAL- WATER	Ground Water	Fluoride as F-	IS 3025 (Part 60)
82	CHEMICAL- WATER	Ground Water	Magnesium as Mg	APHA 3500 Mg B 23rd Edition
83	CHEMICAL- WATER	Ground Water	Magnesium as Mg	IS 3025 (Part 46)
84	CHEMICAL- WATER	Ground Water	Oils & Grease	APHA 5520 B 23rd Edition
85	CHEMICAL- WATER	Ground Water	Oils & Grease	IS 3025 (Part 39)
86	CHEMICAL- WATER	Ground Water	pH	APHA 4500 H+ B 23rd Edition
87	CHEMICAL- WATER	Ground Water	pH	IS 3025 (Part 11)
88	CHEMICAL- WATER	Ground Water	Phenolic compounds as C6H5OH	APHA 5530 D 23rd Edition
89	CHEMICAL- WATER	Ground Water	Phenolic compounds as C6H5OH	IS 3025 (Part 43)
90	CHEMICAL- WATER	Ground Water	Sulphate as SO42-	APHA 4500 SO42- E 23rd Edition
91	CHEMICAL- WATER	Ground Water	Sulphate as SO42-	IS 3025 (Part 24)
92	CHEMICAL- WATER	Ground Water	Total Acidity as CaCO3	APHA 2310 B 23rd Edition
93	CHEMICAL- WATER	Ground Water	Total Acidity as CaCO3	IS 3025 (Part 22)
94	CHEMICAL- WATER	Ground Water	Total Alkalinity as CaCO3	APHA 2320 B 23rd Edition
95	CHEMICAL- WATER	Ground Water	Total Alkalinity as CaCO3	IS 3025 (Part 23)
96	CHEMICAL- WATER	Ground Water	Total Dissolved Solids (TDS)	APHA 2540 C 23rd Edition
97	CHEMICAL- WATER	Ground Water	Total Dissolved Solids (TDS)	IS 3025 (Part 16)
98	CHEMICAL- WATER	Ground Water	Total Hardness as CaCO3	APHA 2340 C 23rd Edition
99	CHEMICAL- WATER	Ground Water	Total Hardness as CaCO3	IS 3025 (Part 21)
100	CHEMICAL- WATER	Ground Water	Total Kjeldahl Nitrogen as N	APHA 4500 Norg B 23rd Edition
101	CHEMICAL- WATER	Ground Water	Total Suspended Solids (TSS)	APHA 2540 D 23rd Edition
102	CHEMICAL- WATER	Ground Water	Total Suspended Solids (TSS)	IS 3025 (Part 17)
103	CHEMICAL- WATER	Ground Water	Turbidity	APHA 2130 B 23rd Edition
104	CHEMICAL- WATER	Ground Water	Turbidity	IS 3025 (Part 10)
105	CHEMICAL- WATER	Industrial Water	Ammoniacal Nitrogen as NH3-N	APHA 4500 NH3-C 23rd Edition
106	CHEMICAL- WATER	Industrial Water	Biological Oxygen Demand (BOD),3days at 270C	IS 3025 (Part 44)

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107	CHEMICAL- WATER	Industrial Water	Calcium as Ca	APHA 3500 Ca-B 23rd Edition
108	CHEMICAL- WATER	Industrial Water	Calcium as Ca	IS 3025 (Part 40)
109	CHEMICAL- WATER	Industrial Water	Chemical Oxygen Demand (COD)	IS 3025 (Part 58)
110	CHEMICAL- WATER	Industrial Water	Chloride as Cl-	APHA 4500 Cl- B 23rd Edition
111	CHEMICAL- WATER	Industrial Water	Chloride as Cl-	IS 3025 (Part 32)
112	CHEMICAL- WATER	Industrial Water	Conductivity	APHA 2510 B 23rd Edition
113	CHEMICAL- WATER	Industrial Water	Dissolved Oxygen	APHA 4500 O-C 23rd Edition
114	CHEMICAL- WATER	Industrial Water	Dissolved Oxygen	IS 3025 (Part 38)
115	CHEMICAL- WATER	Industrial Water	Dissolved Phosphate as PO4 3-	APHA 4500 P-E 23rd Edition
116	CHEMICAL- WATER	Industrial Water	Fluoride as F-	APHA 4500 F-C 23rd Edition
117	CHEMICAL- WATER	Industrial Water	Fluoride as F-	IS 3025 (Part 60)
118	CHEMICAL- WATER	Industrial Water	Magnesium as Mg	APHA 3500 Mg B 23rd Edition
119	CHEMICAL- WATER	Industrial Water	Magnesium as Mg	IS 3025 (Part 46)
120	CHEMICAL- WATER	Industrial Water	Oils & Grease	APHA 5520 B 23rd Edition
121	CHEMICAL- WATER	Industrial Water	Oils & Grease	IS 3025 (Part 39)
122	CHEMICAL- WATER	Industrial Water	pH	APHA 4500 H+ B 23rd Edition
123	CHEMICAL- WATER	Industrial Water	pH	IS 3025 (Part 11)
124	CHEMICAL- WATER	Industrial Water	Phenolic compounds as C6H5OH	APHA 5530 D 23rd Edition
125	CHEMICAL- WATER	Industrial Water	Phenolic compounds as C6H5OH	IS 3025 (Part 43)
126	CHEMICAL- WATER	Industrial Water	Sulphate as SO42-	APHA 4500 SO42- E 23rd Edition
127	CHEMICAL- WATER	Industrial Water	Sulphate as SO42-	IS 3025 (Part 24)
128	CHEMICAL- WATER	Industrial Water	Total Acidity as CaCO3	APHA 2310 B 23rd Edition
129	CHEMICAL- WATER	Industrial Water	Total Acidity as CaCO3	IS 3025 (Part 22)
130	CHEMICAL- WATER	Industrial Water	Total Alkalinity as CaCO3	APHA 2320 B 23rd Edition
131	CHEMICAL- WATER	Industrial Water	Total Alkalinity as CaCO3	IS 3025 (Part 23)
132	CHEMICAL- WATER	Industrial Water	Total Dissolved Solids (TDS)	APHA 2540 C 23rd Edition
133	CHEMICAL- WATER	Industrial Water	Total Dissolved Solids (TDS)	IS 3025 (Part 16)
134	CHEMICAL- WATER	Industrial Water	Total Hardness as CaCO3	APHA 2340 C 23rd Edition

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135	CHEMICAL- WATER	Industrial Water	Total Hardness as CaCO3	IS 3025 (Part 21)
136	CHEMICAL- WATER	Industrial Water	Total Kjeldahl Nitrogen as N	APHA 4500 Norg B 23rd Edition
137	CHEMICAL- WATER	Industrial Water	Total Suspended Solids (TSS)	APHA 2540 D 23rd Edition
138	CHEMICAL- WATER	Industrial Water	Total Suspended Solids (TSS)	IS 3025 (Part 17)
139	CHEMICAL- WATER	Industrial Water	Turbidity	APHA 2130 B 23rd Edition
140	CHEMICAL- WATER	Industrial Water	Turbidity	IS 3025 (Part 10)
141	CHEMICAL- WATER	Surface Water	Ammoniacal Nitrogen as NH3-N	APHA 4500 NH3-C 23rd Edition
142	CHEMICAL- WATER	Surface Water	Biological Oxygen Demand (BOD),3days at 270C	IS 3025 (Part 44)
143	CHEMICAL- WATER	Surface Water	Calcium as Ca	APHA 3500 Ca-B 23rd Edition
144	CHEMICAL- WATER	Surface Water	Calcium as Ca	IS 3025 (Part 40)
145	CHEMICAL- WATER	Surface Water	Chemical Oxygen Demand (COD)	IS 3025 (Part 58)
146	CHEMICAL- WATER	Surface Water	Chloride as Cl-	APHA 4500 Cl- B 23rd Edition
147	CHEMICAL- WATER	Surface Water	Chloride as Cl-	IS 3025 (Part 32)
148	CHEMICAL- WATER	Surface Water	Conductivity	APHA 2510 B 23rd Edition
149	CHEMICAL- WATER	Surface Water	Dissolved Oxygen	APHA 4500 O-C 23rd Edition
150	CHEMICAL- WATER	Surface Water	Dissolved Oxygen	IS 3025 (Part 38)
151	CHEMICAL- WATER	Surface Water	Dissolved Phosphate as PO4 3-	APHA 4500 P-E 23rd Edition
152	CHEMICAL- WATER	Surface Water	Fluoride as F-	APHA 4500 F-C 23rd Edition
153	CHEMICAL- WATER	Surface Water	Fluoride as F-	IS 3025 (Part 60)
154	CHEMICAL- WATER	Surface Water	Magnesium as Mg	APHA 3500 Mg B 23rd Edition
155	CHEMICAL- WATER	Surface Water	Magnesium as Mg	IS 3025 (Part 46)
156	CHEMICAL- WATER	Surface Water	Oils & Grease	APHA 5520 B 23rd Edition
157	CHEMICAL- WATER	Surface Water	Oils & Grease	IS 3025 (Part 39)
158	CHEMICAL- WATER	Surface Water	pH	APHA 4500 H+ B 23rd Edition
159	CHEMICAL- WATER	Surface Water	pH	IS 3025 (Part 11)
160	CHEMICAL- WATER	Surface Water	Phenolic compounds as C6H5OH	APHA 5530 D 23rd Edition
161	CHEMICAL- WATER	Surface Water	Phenolic compounds as C6H5OH	IS 3025 (Part 43)

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162	CHEMICAL- WATER	Surface Water	Sulphate as SO42-	APHA 4500 SO42- E 23rd Edition
163	CHEMICAL- WATER	Surface Water	Sulphate as SO42-	IS 3025 (Part 24)
164	CHEMICAL- WATER	Surface Water	Total Acidity as CaCO3	APHA 2310 B 23rd Edition
165	CHEMICAL- WATER	Surface Water	Total Acidity as CaCO3	IS 3025 (Part 22)
166	CHEMICAL- WATER	Surface Water	Total Alkalinity as CaCO3	APHA 2320 B 23rd Edition
167	CHEMICAL- WATER	Surface Water	Total Alkalinity as CaCO3	IS 3025 (Part 23)
168	CHEMICAL- WATER	Surface Water	Total Dissolved Solids (TDS)	APHA 2540 C 23rd Edition
169	CHEMICAL- WATER	Surface Water	Total Dissolved Solids (TDS)	IS 3025 (Part 16)
170	CHEMICAL- WATER	Surface Water	Total Hardness as CaCO3	APHA 2340 C 23rd Edition
171	CHEMICAL- WATER	Surface Water	Total Hardness as CaCO3	IS 3025 (Part 21)
172	CHEMICAL- WATER	Surface Water	Total Kjeldahl Nitrogen as N	APHA 4500 Norg B 23rd Edition
173	CHEMICAL- WATER	Surface Water	Total Suspended Solids (TSS)	APHA 2540 D 23rd Edition
174	CHEMICAL- WATER	Surface Water	Total Suspended Solids (TSS)	IS 3025 (Part 17)
175	CHEMICAL- WATER	Surface Water	Turbidity	APHA 2130 B 23rd Edition
176	CHEMICAL- WATER	Surface Water	Turbidity	IS 3025 (Part 10)