National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ENVIRONMENTAL AND TECHNICAL RESEARCH CENTRE, 2/261, VISHWAS KHAND, GOMTINAGAR, LUCKNOW, UTTAR PRADESH, 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- ATMOSPHERIC POLLUTION	Ambient Air Quality	Ammonia	IS: 5182: (Part-25)
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality	Arsenic	EPA/625/R-96/010a; US EPA IO 3.2
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality	Benzene	IS: 5182: (Part-11)
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality	Benzo(a)Pyrene (Particulate Phase only)	IS: 5182: (Part-12)
5	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality	Carbon Monoxide	IS: 5182: (Part-10)
6	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality	Lead	IS: 5182: (Part-22)
7	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality	Nickel	IS 5182 : (Part 26)
8	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality	Oxides of Nitrogen	IS: 5182: (Part-06)
9	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality	Ozone	IS: 5182: (Part-09)
10	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality	Particulate matter(PM- 10)	IS: 5182: (Part-23)
11	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality	Particulate matter(PM- 2.5)	IS 5182 : Part 24
12	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality	Sulphur Dioxide (SO2)	IS: 5182: (Part-02)
13	CHEMICAL- ATMOSPHERIC POLLUTION	Source Emission	Carbon Dioxide	ETRC/LABSOPA/11
14	CHEMICAL- ATMOSPHERIC POLLUTION	Source Emission	Carbon Monoxide	ETRC/LABSOPA/13
15	CHEMICAL- ATMOSPHERIC POLLUTION	Source Emission	Oxides of Nitrogen	IS: 11255 (Part-07)
16	CHEMICAL- ATMOSPHERIC POLLUTION	Source Emission	Oxygen	ETRC/LABSOPA/12
17	CHEMICAL- ATMOSPHERIC POLLUTION	Source Emission	Particulate Matter	IS: 11255 (Part-01)
18	CHEMICAL- ATMOSPHERIC POLLUTION	Source Emission	Sulphur Dioxide	IS: 11255 (Part-02)

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19	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sludge	Boron	ETRC/LABSOPS/06
20	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sludge	Copper	ETRC/LABSOPS/07
21	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sludge	Electrical Conductivity	IS: 14767
22	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sludge	Iron	ETRC/LABSOPS/09
23	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sludge	Manganese	ETRC/LABSOPS/10
24	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sludge	Moisture Contents	IS: 2720 (Part-02)
25	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sludge	pH	IS: 2720 (Part-26)
26	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sludge	Sulphur	IS: 14685
27	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sludge	Zinc	ETRC/LABSOPS/08
28	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Aluminium	APHA 23rd Ed., 3120 B (ICP-OES)
29	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Ammoniacal Nitrogen	IS: 3025 (Part-34)
30	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Anionic Detergents (as MBAS)	APHA 23rd Ed., 5540 C
31	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Arsenic	APHA 23rd Ed., 3120 B (ICP-OES)
32	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Barium	APHA 23rd Ed., 3120 B (ICP-OES)
33	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Biological Oxygen Demand	IS: 3025 (Part-44)
34	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Boron	APHA 23rd Ed., 3120 B (ICP-OES)
35	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Cadmium	APHA 23rd Ed., 3120 B (ICP-OES)
36	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Calcium	APHA 23rd Ed., 3500 Ca, B / IS: 3025 (Part-40)
37	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Chemical Oxygen Demand	APHA 23rd Ed., 5220 B / IS: 3025 (Part-58)

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38	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Cobalt	APHA 23rd Ed., 3120 B (ICP-OES)
39	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Colour	IS: 3025 (Part-4)
40	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Copper	APHA 23rd Ed., 3120 B (ICP-OES)
41	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Dissolved Oxygen	APHA 23rd Ed., 4500 O, C
42	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Electrical Conductivity	APHA 23rd Ed., 2510 A+B
43	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Fixed Solids	APHA 23rd Ed., 2540 E
44	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Fluoride	APHA 23rd Ed., 4500 F-C
45	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Free Residual Chlorine	APHA 23rd Ed.,4500 Cl-
46	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Iron	APHA 23rd Ed., 3120 B (ICP-OES)
47	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Lead	APHA 23rd Ed., 3120 B (ICP-OES)
48	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Magnesium	APHA 23rd Ed., 3111 B
49	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Manganese	APHA 23rd Ed., 3120 B (ICP-OES)
50	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Mercury	APHA 23rd Ed., 3120 B (ICP-OES)
51	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Nickel	APHA 23rd Ed., 3120 B (ICP-OES)
52	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Nitrate	APHA 23rd Ed., 4500 NO3 B
53	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Odour	IS: 3025 (Part-5)
54	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Oil & Grease	APHA 23rd Ed., 5520 A+D
55	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	pH	APHA 23rd Ed., 4500 H+
56	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Phosphate	APHA 23rd Ed., 4500 P,D

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57	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Potassium	APHA 23rd Ed., 3500 K, B
58	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Silver	APHA 23rd Ed., 3120 B (ICP-OES)
59	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sodium	APHA 23rd Ed., 3500 Na:
60	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sulphate	APHA 23rd Ed., 4500 SO4-,E
61	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sulphide	APHA 23rd Ed., 4500 S-F
62	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Temperature	APHA 23rd Ed.,2550 A+B
63	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Chromium	APHA 23rd Ed., 3120 B (ICP-OES)
64	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Dissolved Solid	APHA 23rd Ed., 2540 C / IS: 3025 (Part-16)
65	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Kjeldahl Nitrogen	APHA 23rd Ed., 4500 Norg B+C
66	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Solids	APHA 23rd Ed., 2540 B
67	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Suspended Solid	APHA 23rd Ed., 2540 D
68	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Zinc	APHA 23rd Ed., 3120 B (ICP-OES)
69	CHEMICAL- RESIDUES IN WATER	Drinking Water	Arsenic	APHA 23rd Ed., 3120 B (ICP-OES)
70	CHEMICAL- RESIDUES IN WATER	Drinking Water	Barium	APHA 23rd Ed., 3120 B (ICP-OES
71	CHEMICAL- RESIDUES IN WATER	Drinking Water	Cadmium	APHA 23rd Ed., 3120 B (ICP-OES)
72	CHEMICAL- RESIDUES IN WATER	Drinking Water	Cobalt	APHA 23rd Ed., 3120 B (ICP-OES)
73	CHEMICAL- RESIDUES IN WATER	Drinking Water	Copper	APHA 23rd Ed., 3120 B (ICP-OES)
74	CHEMICAL- RESIDUES IN WATER	Drinking Water	Lead	APHA 23rd Ed., 3120 B (ICP-OES)
75	CHEMICAL- RESIDUES IN WATER	Drinking Water	Manganese	APHA 23rd Ed., 3120 B (ICP-OES)

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76	CHEMICAL- RESIDUES IN WATER	Drinking Water	Mercury	APHA 23rd Ed., 3120 B (ICP-OES)
77	CHEMICAL- RESIDUES IN WATER	Drinking Water	Silver	APHA 23rd Ed., 3120 B (ICP-OES)
78	CHEMICAL- RESIDUES IN WATER	Drinking Water	Total Chromium	APHA 23rd Ed., 3120 B (ICP-OES)
79	CHEMICAL- RESIDUES IN WATER	Drinking Water	Zinc	APHA 23rd Ed., 3120 B (ICP-OES)
80	CHEMICAL- RESIDUES IN WATER	Ground water / Surface water	BHC	USEPA-508
81	CHEMICAL- RESIDUES IN WATER	Ground water / Surface water	Chloropyriphos	APHA 23rd Ed., 6010 – 2017, USEPA-8141 A
82	CHEMICAL- RESIDUES IN WATER	Ground water / Surface water	DDT	APHA 23rd Ed., 6010 – 2017, USEPA-508
83	CHEMICAL- RESIDUES IN WATER	Ground water / Surface water	Endosulphan	APHA 23rd Ed., 6010 – 2017, USEPA-508
84	CHEMICAL- RESIDUES IN WATER	Ground water / Surface water	Malathion	APHA 23rd Ed., 6010 – 2017, USEPA-8141 A
85	CHEMICAL- RESIDUES IN WATER	Ground water / Surface water	Methyl Parathion	APHA 23rd Ed., 6010 – 2017, USEPA-8141 A
86	CHEMICAL- WATER	Cooling Tower Water and Condensate Water	Aluminium	APHA 23rd Ed., 3120 B (ICP-OES)
87	CHEMICAL- WATER	Cooling Tower Water and Condensate Water	Chemical Oxygen Demand	APHA 23rd Ed., 5220 B / IS: 3025 (Part-58)
88	CHEMICAL- WATER	Cooling Tower Water and Condensate Water	' Dissolved Oxygen	APHA 23rd Ed., 4500 O, C
89	CHEMICAL- WATER	Cooling Tower Water and Condensate Water	Ammoniacal Nitrogen	IS: 3025 (Part-34)
90	CHEMICAL- WATER	Cooling Tower Water and Condensate Water	Anionic Detergents (as MBAS)	APHA 23rd Ed., 5540 C
91	CHEMICAL- WATER	Cooling Tower Water and Condensate Water	Arsenic	APHA 23rd Ed., 3120 B (ICP-OES)
92	CHEMICAL- WATER	Cooling Tower Water and Condensate Water	Barium	APHA 23rd Ed., 3120 B (ICP-OES)
93	CHEMICAL- WATER	Cooling Tower Water and Condensate Water	Biological Oxygen Demand	IS: 3025 (Part-44)
94	CHEMICAL- WATER	Cooling Tower Water and Condensate Water	Boron	APHA 23rd Ed., 3120 B (ICP-OES)
95	CHEMICAL- WATER	Cooling Tower Water and Condensate Water	Cadmium	APHA 23rd Ed., 3120 B (ICP-OES)

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96	CHEMICAL- WATER	Cooling Tower Water and Condensate Water	Calcium	APHA 23rd Ed., 3500 Ca, B / IS: 3025 (Part-40)
97	CHEMICAL- WATER	Cooling Tower Water and Condensate Water	Cobalt	APHA 23rd Ed., 3120 B (ICP-OES)
98	CHEMICAL- WATER	Cooling Tower Water and Condensate Water	Colour	IS: 3025 (Part-4)
99	CHEMICAL- WATER	Cooling Tower Water and Condensate Water	Copper	APHA 23rd Ed., 3120 B (ICP-OES)
100	CHEMICAL- WATER	Cooling Tower Water and Condensate Water	Electrical Conductivity	APHA 23rd Ed., 2510 A+B
101	CHEMICAL- WATER	Cooling Tower Water and Condensate Water	Fixed Solids	APHA 23rd Ed., 2540 E
102	CHEMICAL- WATER	Cooling Tower Water and Condensate Water	Fluoride	APHA 23rd Ed., 4500 F-C
103	CHEMICAL- WATER	Cooling Tower Water and Condensate Water	Free Residual Chlorine	APHA 23rd Ed.,4500 Cl-
104	CHEMICAL- WATER	Cooling Tower Water and Condensate Water	Iron	APHA 23rd Ed., 3120 B (ICP-OES)
105	CHEMICAL- WATER	Cooling Tower Water and Condensate Water	Lead	APHA 23rd Ed., 3120 B (ICP-OES)
106	CHEMICAL- WATER	Cooling Tower Water and Condensate Water	Magnesium	APHA 23rd Ed., 3111 B
107	CHEMICAL- WATER	Cooling Tower Water and Condensate Water	Manganese	APHA 23rd Ed., 3120 B (ICP-OES)
108	CHEMICAL- WATER	Cooling Tower Water and Condensate Water	Mercury	APHA 23rd Ed., 3120 B (ICP-OES)
109	CHEMICAL- WATER	Cooling Tower Water and Condensate Water	Nickel	APHA 23rd Ed., 3120 B (ICP-OES)
110	CHEMICAL- WATER	Cooling Tower Water and Condensate Water	Nitrate	APHA 23rd Ed., 4500 NO3 B
111	CHEMICAL- WATER	Cooling Tower Water and Condensate Water	Odour	IS: 3025 (Part-5)
112	CHEMICAL- WATER	Cooling Tower Water and Condensate Water	Oil & Grease	APHA 23rd Ed., 5520 A+D
113	CHEMICAL- WATER	Cooling Tower Water and Condensate Water	pH	APHA 23rd Ed., 4500 H+
114	CHEMICAL- WATER	Cooling Tower Water and Condensate Water	Phosphate	APHA 23rd Ed., 4500 P,D
115	CHEMICAL- WATER	Cooling Tower Water and Condensate Water	Potassium	APHA 23rd Ed., 3500 K, B
116	CHEMICAL- WATER	Cooling Tower Water and Condensate Water	Silver	APHA 23rd Ed., 3120 B (ICP-OES)
117	CHEMICAL- WATER	Cooling Tower Water and Condensate Water	Sodium	APHA 23rd Ed., 3500 Na
118	CHEMICAL- WATER	Cooling Tower Water and Condensate Water	Sulphate	APHA 23rd Ed., 4500 SO4-,E
119	CHEMICAL- WATER	Cooling Tower Water and Condensate Water	Sulphide	APHA 23rd Ed., 4500 S-F
120	CHEMICAL- WATER	Cooling Tower Water and Condensate Water	Temperature	APHA 23rd Ed.,2550 A+B

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121	CHEMICAL- WATER	Cooling Tower Water and Condensate Water	Total Chromium	APHA 23rd Ed., 3120 B (ICP-OES)
122	CHEMICAL- WATER	Cooling Tower Water and Condensate Water	Total Dissolved Solid	APHA 23rd Ed., 2540 C / IS: 3025 (Part-16)
123	CHEMICAL- WATER	Cooling Tower Water and Condensate Water	Total Kjeldahl Nitrogen	APHA 23rd Ed., 4500 Norg B+C
124	CHEMICAL- WATER	Cooling Tower Water and Condensate Water	Total Solids	APHA 23rd Ed., 2540 B
125	CHEMICAL- WATER	Cooling Tower Water and Condensate Water	Total Suspended Solid	APHA 23rd Ed., 2540 D
126	CHEMICAL- WATER	Cooling Tower Water and Condensate Water	Zinc	APHA 23rd Ed., 3120 B (ICP-OES)
127	CHEMICAL- WATER	Ground Water	Acidity	APHA 23rd Ed., 2310 B
128	CHEMICAL- WATER	Ground Water	Aluminium	APHA 23rd Ed., 3120 B (ICP-OES)
129	CHEMICAL- WATER	Ground Water	Ammoniacal Nitrogen	IS: 3025 (Part-34)
130	CHEMICAL- WATER	Ground Water	Anionic Detergents (as MBAS)	APHA 23rd Ed., 5540 C
131	CHEMICAL- WATER	Ground Water	Arsenic	APHA 23rd Ed., 3120 B (ICP-OES)
132	CHEMICAL- WATER	Ground Water	Barium	APHA 23rd Ed., 3120 B (ICP-OES)
133	CHEMICAL- WATER	Ground Water	Boron	APHA 23rd Ed., 3120 B (ICP-OES)
134	CHEMICAL- WATER	Ground Water	Cadmium	APHA 23rd Ed., 3120 B (ICP-OES)
135	CHEMICAL- WATER	Ground Water	Calcium	APHA 23rd Ed., 3500 Ca, B - 2017, IS: 3025 (Part-40)
136	CHEMICAL- WATER	Ground Water	Chloride	APHA 23rd Ed., 4500-Cl- B
137	CHEMICAL- WATER	Ground Water	Cobalt	APHA 23rd Ed., 3120 B (ICP-OES)
138	CHEMICAL- WATER	Ground Water	Colour	IS: 3025 (Part-4)
139	CHEMICAL- WATER	Ground Water	Copper	APHA 23rd Ed., 3120 B (ICP-OES)
140	CHEMICAL- WATER	Ground Water	Electrical Conductivity	APHA 23rd Ed., 2552- A+B
141	CHEMICAL- WATER	Ground Water	Fixed Solids	APHA 23rd Ed., 2540 E
142	CHEMICAL- WATER	Ground Water	Fluoride	APHA 23rd Ed., 4500 F- C
143	CHEMICAL- WATER	Ground Water	Free Residual Chlorine	APHA 23rd Ed., 4500-Cl - 2017, IS: 3025 (Part-26)

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144	CHEMICAL- WATER	Ground Water	Iron	APHA 23rd Ed., 3120 B (ICP-OES)
145	CHEMICAL- WATER	Ground Water	Lead	APHA 23rd Ed., 3120 B (ICP-OES)
146	CHEMICAL- WATER	Ground Water	Magnesium	APHA 23rd Ed., 3500 Mg, B
147	CHEMICAL- WATER	Ground Water	Manganese	APHA 23rd Ed., 3120 B (ICP-OES)
148	CHEMICAL- WATER	Ground Water	Mercury	APHA 23rd Ed., 3120 B (ICP-OES)
149	CHEMICAL- WATER	Ground Water	Nickel	APHA 23rd Ed , 3120 B (ICP-OES)
150	CHEMICAL- WATER	Ground Water	Nitrate	APHA 23rd Ed., 4500- NO3 B - 2017, IS: 3025 (Part-34)
151	CHEMICAL- WATER	Ground Water	Odour	IS: 3025 (Part-5)
152	CHEMICAL- WATER	Ground Water	pH	APHA 23rd Ed., 4500 H+
153	CHEMICAL- WATER	Ground Water	Potassium	APHA 23rd Ed., 3500 K B
154	CHEMICAL- WATER	Ground Water	Silver	APHA 23rd Ed., 3120 B (ICP-OES)
155	CHEMICAL- WATER	Ground Water	Sodium	APHA 23rd Ed., 3500 Na
156	CHEMICAL- WATER	Ground Water	Sulphate	APHA 23rd Ed., 4500 SO4 E
157	CHEMICAL- WATER	Ground Water	Sulphide	APHA 23rd Ed. 2017-4500- S- F
158	CHEMICAL- WATER	Ground Water	Temperature	APHA 23rd Ed., 2550 A+B
159	CHEMICAL- WATER	Ground Water	Total Alkalinity	APHA 23rd Ed., 2320 B
160	CHEMICAL- WATER	Ground Water	Total Chromium	APHA 23rd Ed., 3120 B (ICP-OES)
161	CHEMICAL- WATER	Ground Water	Total Dissolved Solid	APHA 23rd Ed., 2540 C - 2017 IS: 3025 (Part-16)
162	CHEMICAL- WATER	Ground Water	Total Hardness	APHA 23rd Ed., 2340 C
163	CHEMICAL- WATER	Ground Water	Total Solids	APHA 23rd Ed., 2540 B
164	CHEMICAL- WATER	Ground Water	Total Suspended Solid	APHA 23rd Ed., 2540 D
165	CHEMICAL- WATER	Ground Water	Turbidity	APHA 23rd Ed., 2130 B
166	CHEMICAL- WATER	Ground Water	Zinc	APHA 23rd Ed., 3120 B (ICP-OES)
167	CHEMICAL- WATER	Potable Water	Acidity	APHA 23rd Ed., 2310 B

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168	CHEMICAL- WATER	Potable Water	Aluminium	APHA 23rd Ed., 3120 B (ICP-OES)
169	CHEMICAL- WATER	Potable Water	Ammoniacal Nitrogen	IS: 3025 (Part-34)
170	CHEMICAL- WATER	Potable Water	Anionic Detergents (as MBAS)	APHA 23rd Ed., 5540 C
171	CHEMICAL- WATER	Potable Water	Boron	APHA 23rd Ed., 3120 B (ICP-OES)
172	CHEMICAL- WATER	Potable Water	Calcium	APHA 23rd Ed., 3500 Ca, B - 2017, IS: 3025 (Part-40)
173	CHEMICAL- WATER	Potable Water	Colour	IS: 3025 (Part-4)
174	CHEMICAL- WATER	Potable Water	Electrical Conductivity	APHA 23rd Ed., 2552- A+B
175	CHEMICAL- WATER	Potable Water	Fixed Solids	APHA 23rd Ed., 2540 E
176	CHEMICAL- WATER	Potable Water	Fluoride	APHA 23rd Ed., 4500 F- C
177	CHEMICAL- WATER	Potable Water	Free Residual Chlorine	APHA 23rd Ed., 4500-Cl - 2017, IS: 3025 (Part-26)
178	CHEMICAL- WATER	Potable Water	Iron	APHA 23rd Ed., 3120 B (ICP-OES)
179	CHEMICAL- WATER	Potable Water	Magnesium	APHA 23rd Ed., 3500 Mg, B
180	CHEMICAL- WATER	Potable Water	Nickel	APHA 23rd Ed., 3120 B (ICP-OES)
181	CHEMICAL- WATER	Potable Water	Nitrate	APHA 23rd Ed., 4500- NO3- B - 2017, IS: 3025 (Part-34)
182	CHEMICAL- WATER	Potable Water	Odour	IS: 3025 (Part-5)
183	CHEMICAL- WATER	Potable Water	pH	APHA 23rd Ed., 4500 H+
184	CHEMICAL- WATER	Potable Water	Phosphate	APHA 23rd Ed., 4500 P D
185	CHEMICAL- WATER	Potable Water	Potassium	APHA 23rd Ed., 3500 K B
186	CHEMICAL- WATER	Potable Water	Sodium	APHA 23rd Ed., 3500 Na
187	CHEMICAL- WATER	Potable Water	Sulphate	APHA 23rd Ed., 4500 SO4 E
188	CHEMICAL- WATER	Potable Water	Sulphide	APHA 23rd Ed., 4500- S F
189	CHEMICAL- WATER	Potable Water	Temperature	APHA 23rd Ed., -2550 A+B
190	CHEMICAL- WATER	Potable Water	Total Alkalinity	APHA 23rd Ed., 2320 B
191	CHEMICAL- WATER	Potable Water	Total Dissolved Solid	APHA 23rd Ed., 2540 C - 2017, IS: 3025 (Part-16)
192	CHEMICAL- WATER	Potable Water	Total Hardness	APHA 23rd Ed., 2340 C
193	CHEMICAL- WATER	Potable Water	Total Solids	APHA 23rd Ed., 2540 B

SCOPE OF ACCREDITATION

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Accreditation Standard ISO/IEC 17025:2017

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Validity 16/05/2021 to 15/05/2023 **Last Amended on** -

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
194	CHEMICAL- WATER	Potable Water	Total Suspended Solid	APHA 23rd Ed., 2540 D
195	CHEMICAL- WATER	Potable Water	Turbidity	APHA 23rd Ed., 2130 B
196	CHEMICAL- WATER	Surface Water	Acidity	APHA 23rd Ed., 2310 B
197	CHEMICAL- WATER	Surface Water	Aluminium	APHA 23rd Ed., 3120 B (ICP-OES)
198	CHEMICAL- WATER	Surface Water	Ammoniacal Nitrogen	IS: 3025 (Part-34)
199	CHEMICAL- WATER	Surface Water	Anionic Detergents (as MBAS)	APHA 23rd Ed., 5540 C
200	CHEMICAL- WATER	Surface Water	Arsenic	APHA 23rd Ed., 3120 B (ICP-OES)
201	CHEMICAL- WATER	Surface Water	Barium	APHA 23rd Ed., 3120 B (ICP-OES)
202	CHEMICAL- WATER	Surface Water	Biological Oxygen Demand	IS: 3025 (Part-44)
203	CHEMICAL- WATER	Surface Water	Boron	APHA 23rd Ed., 3120 B (ICP-OES)
204	CHEMICAL- WATER	Surface Water	Cadmium	APHA 23rd Ed., 3120 B (ICP-OES)
205	CHEMICAL- WATER	Surface Water	Calcium	APHA 23rd Ed., 3500 Ca, B – 2017, IS: 3025 (Part-40)
206	CHEMICAL- WATER	Surface Water	Chemical Oxygen Demand	APHA 23rd Ed., 5220 B – 2017, IS: 3025 (Part-58)
207	CHEMICAL- WATER	Surface Water	Chloride	APHA 23rd Ed., 4500-Cl- B
208	CHEMICAL- WATER	Surface Water	Cobalt	APHA 23rd Ed., 3120 B (ICP-OES)
209	CHEMICAL- WATER	Surface Water	Colour	IS: 3025 (Part-4)
210	CHEMICAL- WATER	Surface Water	Copper	APHA 23rd Ed., 3120 B (ICP-OES)
211	CHEMICAL- WATER	Surface Water	Dissolved Oxygen	APHA 23rd Ed., 4500 O C
212	CHEMICAL- WATER	Surface Water	Electrical Conductivity	APHA 23rd Ed., 2552- A+B
213	CHEMICAL- WATER	Surface Water	Fixed Solids	APHA 23rd Ed., 2540 E
214	CHEMICAL- WATER	Surface Water	Fluoride	APHA 23rd Ed., 4500 F- C
215	CHEMICAL- WATER	Surface Water	Free Residual Chlorine	APHA 23rd Ed., 4500-Cl – 2017, IS: 3025 (Part-26)
216	CHEMICAL- WATER	Surface Water	Iron	APHA 23rd Ed., 3120 B (ICP-OES)

National Accreditation Board for Testing and Calibration Laboratories

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Certificate Number TC-5469 **Page No** 11 of 11

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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
217	CHEMICAL- WATER	Surface Water	Lead	APHA 23rd Ed., 3120 B (ICP-OES)
218	CHEMICAL- WATER	Surface Water	Magnesium	APHA 23rd Ed., 3500 Mg, B
219	CHEMICAL- WATER	Surface Water	Manganese	APHA 23rd Ed., 3120 B (ICP-OES)
220	CHEMICAL- WATER	Surface Water	Mercury	APHA 23rd Ed., 3120 B (ICP-OES)
221	CHEMICAL- WATER	Surface Water	Nickel	APHA 23rd Ed., 3120 B (ICP-OES)
222	CHEMICAL- WATER	Surface Water	Nitrate	APHA 23rd Ed., 4500- NO3 B – 2017, IS: 3025 (Part-34)
223	CHEMICAL- WATER	Surface Water	Odour	IS: 3025 (Part-5)
224	CHEMICAL- WATER	Surface Water	Oil & Grease	APHA 23rd Ed., 5520 A+D
225	CHEMICAL- WATER	Surface Water	pH	APHA 23rd Ed., 2017-4500 H+
226	CHEMICAL- WATER	Surface Water	Phosphate	APHA 23rd Ed., 4500 P D
227	CHEMICAL- WATER	Surface Water	Potassium	APHA 23rd Ed., 3500 K B
228	CHEMICAL- WATER	Surface Water	Silver	APHA 23rd Ed., 3120 B (ICP-OES)
229	CHEMICAL- WATER	Surface Water	Sodium	APHA 23rd Ed., 3500 Na
230	CHEMICAL- WATER	Surface Water	Sulphate	APHA 23rd Ed., 4500 SO4 - E
231	CHEMICAL- WATER	Surface Water	Sulphide	APHA 23rd Ed., 4500- S- F
232	CHEMICAL- WATER	Surface Water	Temperature	APHA 23rd Ed., 2550 A+B
233	CHEMICAL- WATER	Surface Water	Total Alkalinity	APHA 23rd Ed., 2320 B
234	CHEMICAL- WATER	Surface Water	Total Chromium	APHA 23rd Ed., 3120 B (ICP-OES)
235	CHEMICAL- WATER	Surface Water	Total Dissolved Solid	APHA 23rd Ed., 2540 C – 2017, IS: 3025 (Part-16)
236	CHEMICAL- WATER	Surface Water	Total Hardness	APHA 23rd Ed., 2340 C
237	CHEMICAL- WATER	Surface Water	Total Kjeldahl Nitrogen	APHA 23rd Ed., 4500 Norg B+C
238	CHEMICAL- WATER	Surface Water	Total Solids	APHA 23rd Ed., 2540 B
239	CHEMICAL- WATER	Surface Water	Total Suspended Solid	APHA 23rd Ed., 2540 D
240	CHEMICAL- WATER	Surface Water	Turbidity	APHA 23rd Ed., 2130 B
241	CHEMICAL- WATER	Surface Water	Zinc	APHA 23rd Ed., 3120 B (ICP-OES)