National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	NATIONAL ANALYTICAL LABORATORIES AND RESEARCH CENTER, # 1064, 2ND FLOOR, RAJGOPAL NAGAR MAIN ROAD, BENGALURU, KARNATAKA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6599	**Page No**	1 of 9
Validity	18/01/2022 to 17/01/2024	**Last Amended on**	13/03/2022

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	IS 5182(part 25)
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Arsenic	USEPA Compendium method IO-34 June
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Lead	IS 5182 (Part-22)
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Nickel	IS 5182 (Part-26)
5	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Oxides of nitrogen	IS 5182(part 6)
6	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Ozone	IS 5182 (Part-9)
7	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	PM 10	IS 5182(part 23)
8	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	PM 2.5	IS 5182(Part-24)
9	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Sulphur dioxide	IS 5182(part 2)
10	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient noise	Ambient noise	IS 9989:1981
11	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Oxides of Nitrogen	IS 11255(part 7)
12	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Sulphur Dioxide	IS 11255(part 2)
13	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emmission	Particulate matter	IS 11255(part 1)
14	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Ammonical Nitrogen	IS 3025 (part 34)
15	CHEMICAL- POLLUTION & ENVIRONMENT	waste water	Bio chemical Oxygen Demand	APHA 5210 B
16	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Boron	APHA 23 rd edition 4500 B B
17	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Calcium	IS 3025 Part 40
18	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Chemical Oxygen Demand	IS 3025 (part 58)

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19	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Chloride	IS 3025 (part 32)
20	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Color	IS 3025 (part 04)
21	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Conductivity	IS 3025 (part 14)
22	CHEMICAL- POLLUTION & ENVIRONMENT	waste water	Cyanide	APHA 23rd Edition 4500 CN E
23	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Dissolved Oxygen	IS 3025 (part 38)
24	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Fixed Solids	APHA 23rd Edition 2540 E
25	CHEMICAL- POLLUTION & ENVIRONMENT	waste water	Fluoride	APHA 23rd Edition 4500 F D
26	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Hexavalent chromium as Cr6+	APHA 23 rd edition 3500 Cr-B
27	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Iron as Fe	APHA 23 rd edition 3500Fe B
28	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Magnesium	IS 3025 Part 46
29	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Nitrate	IS 3025 (part-34)
30	CHEMICAL- POLLUTION & ENVIRONMENT	waste water	Nitrite	IS 3024 (Part -34)
31	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Odor	IS 3025 (part 5)
32	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Oil & Grease	IS 3025 (part 39)
33	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	pH Value	IS 3025 (part 11)
34	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Phosphate	IS 3025 (part-31)
35	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Potassium	IS 3025 (part 45)
36	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Residual Free Chlorine	IS 3025 (part 26)
37	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Residual sodium carbonate	IS 11624

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38	CHEMICAL- POLLUTION & ENVIRONMENT	waste water	Silica	APHA 23rd Edition 4500 Sio2 C
39	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sodium	IS 3025 (part 45)
40	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sodium absorption ratio	IS:11624
41	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sulphate	APHA 23 rd edition 4500 SO4 2- E
42	CHEMICAL- POLLUTION & ENVIRONMENT	waste water	sulphide	APHA 23rd Edition 4500 S2 F
43	CHEMICAL- POLLUTION & ENVIRONMENT	waste water	Temperature	IS 3025(P-9)
44	CHEMICAL- POLLUTION & ENVIRONMENT	waste water	Total Acidity	IS 3025 PART 22
45	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Alkalinity	IS 3025 (part 23)
46	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Dissolved Solids	IS 3025 (part 16)
47	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Hardness	IS 3025 Part 21
48	CHEMICAL- POLLUTION & ENVIRONMENT	waste water	Total kjeldahl Nitrogen	APHA 23rd Edition 4500 –Norg B
49	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Nitrogen	IS 3025 Part 34,
50	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Solids	IS 3025 (part 15)
51	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Suspended Solids	IS 3025 (part 17)
52	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Turbidity	IS 3025 (part 10)
53	CHEMICAL- POLLUTION & ENVIRONMENT	waste water	volatile solids	APHA 23rd Edition 2540 E
54	CHEMICAL- RESIDUES IN WATER	Drinking Water	Aluminium	IS 3025(P-2)
55	CHEMICAL- RESIDUES IN WATER	Drinking Water	Arsenic	IS 3025(P-2)
56	CHEMICAL- RESIDUES IN WATER	Drinking Water	Barium	IS 3025(P-2)

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57	CHEMICAL- RESIDUES IN WATER	Drinking Water	Cadmium	IS 3025(P-2)
58	CHEMICAL- RESIDUES IN WATER	Drinking Water	Copper	IS 3025(P-2)
59	CHEMICAL- RESIDUES IN WATER	Drinking Water	Lead	IS 3025(P-2)
60	CHEMICAL- RESIDUES IN WATER	Drinking Water	Manganese	IS 3025(P-2)
61	CHEMICAL- RESIDUES IN WATER	Drinking Water	Nickel	IS 3025(P-2)
62	CHEMICAL- RESIDUES IN WATER	Drinking Water	Selenium	IS 3025(P-2)
63	CHEMICAL- RESIDUES IN WATER	Drinking Water	Total Chromium	IS 3025(P-2)
64	CHEMICAL- RESIDUES IN WATER	Drinking Water	Zinc	IS 3025(P-2)
65	CHEMICAL- RESIDUES IN WATER	Ground Water	Aluminium	IS 3025(P-2)
66	CHEMICAL- RESIDUES IN WATER	Ground Water	Arsenic	IS 3025(P-2)
67	CHEMICAL- RESIDUES IN WATER	Ground Water	Barium	IS 3025(P-2)
68	CHEMICAL- RESIDUES IN WATER	Ground Water	Cadmium	IS 3025(P-2)
69	CHEMICAL- RESIDUES IN WATER	Ground Water	Copper	IS 3025 (P-2)
70	CHEMICAL- RESIDUES IN WATER	Ground Water	Lead	IS 3025 (P-2)
71	CHEMICAL- RESIDUES IN WATER	Ground Water	Manganese	IS 3025(P-2)
72	CHEMICAL- RESIDUES IN WATER	Ground Water	Nickel	IS 3025(P-2)
73	CHEMICAL- RESIDUES IN WATER	Ground Water	Selenium	IS 3025(P-2)
74	CHEMICAL- RESIDUES IN WATER	Ground Water	Total Chromium	IS 3025(P-2)
75	CHEMICAL- RESIDUES IN WATER	Ground Water	Zinc	IS 3025(Part-2)

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76	CHEMICAL- RESIDUES IN WATER	Surface Water	Aluminium	IS 3025(P-2)
77	CHEMICAL- RESIDUES IN WATER	Surface Water	Arsenic	IS 3025(P-2)
78	CHEMICAL- RESIDUES IN WATER	Surface Water	Barium	IS 3025(P-2)
79	CHEMICAL- RESIDUES IN WATER	Surface Water	Cadmium	IS 3025(P-2)
80	CHEMICAL- RESIDUES IN WATER	Surface Water	Copper	IS 3025(P-2)
81	CHEMICAL- RESIDUES IN WATER	Surface Water	Lead	IS 3025(P-2)
82	CHEMICAL- RESIDUES IN WATER	Surface Water	Manganese	IS 3025(P-2)
83	CHEMICAL- RESIDUES IN WATER	Surface Water	Nickel	IS 3025(P-2)
84	CHEMICAL- RESIDUES IN WATER	Surface Water	Selenium	IS 3025(P-2)
85	CHEMICAL- RESIDUES IN WATER	Surface Water	Total Chromium	IS 3025(P-2)
86	CHEMICAL- RESIDUES IN WATER	Surface Water	Zinc	IS 3025(P-2)
87	CHEMICAL- RESIDUES IN WATER	Waste Water	Aluminium	IS 3025 (P-2)
88	CHEMICAL- RESIDUES IN WATER	Waste Water	Arsenic	IS 3025(P-2)
89	CHEMICAL- RESIDUES IN WATER	Waste Water	Cadmium	IS 3025 (P-2)
90	CHEMICAL- RESIDUES IN WATER	Waste Water	Copper	IS 3025(P-2)
91	CHEMICAL- RESIDUES IN WATER	Waste Water	Lead	IS 3025 (P-2)
92	CHEMICAL- RESIDUES IN WATER	Waste Water	Manganese	IS 3025 (P-2)
93	CHEMICAL- RESIDUES IN WATER	Waste Water	Nickel	IS 3025(P-2)
94	CHEMICAL- RESIDUES IN WATER	Waste Water	Selenium	IS 3025(P-2)

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95	CHEMICAL- RESIDUES IN WATER	Waste Water	Total Chromium	IS 3025(P-2)
96	CHEMICAL- RESIDUES IN WATER	Waste Water	Zinc	IS 3025 (P-2)
97	CHEMICAL- WATER	Ground Water	Total Alkalinity	IS 3025 (part 23)
98	CHEMICAL- WATER	Ground Water	Fluoride	APHA 23 rd edition 4500 F D
99	CHEMICAL- WATER	Ground Water	Iron	APHA 23 rd edition 3500Fe B
100	CHEMICAL- WATER	Ground Water	Nitrate	IS 3025 (part-34)
101	CHEMICAL- WATER	Swimming pool water	Chloride	IS 3025 (part 32)
102	CHEMICAL- WATER	Swimming pool water	Colour	IS 3025 (part 04)
103	CHEMICAL- WATER	Swimming pool water	Odour	IS 3025 (part 5)
104	CHEMICAL- WATER	Ground Water	Boron	APHA 23 rd edition 4500 B B
105	CHEMICAL- WATER	Drinking water	Boron	APHA 23 rd edition 4500 B B
106	CHEMICAL- WATER	Drinking water	CALCIUM	IS 3025 Part 40
107	CHEMICAL- WATER	Drinking water	Chloride	IS 3025 (part 32)
108	CHEMICAL- WATER	Drinking water	Color	IS 3025 (part 04)
109	CHEMICAL- WATER	Drinking water	Conductivity	IS 3025 (part 14)
110	CHEMICAL- WATER	Drinking Water	Cyanide	APHA 23rd Edition 4500 CN E
111	CHEMICAL- WATER	Drinking water	Fluoride	APHA 23 rd edition 4500 F D
112	CHEMICAL- WATER	Drinking water	Iron	APHA 23 rd edition 3500Fe B
113	CHEMICAL- WATER	Drinking water	Magnesium	IS 3025 (Part 46)
114	CHEMICAL- WATER	Drinking water	Nitrate	APHA 23rd Edition 4500 NO3 B
115	CHEMICAL- WATER	Drinking water	Odor	IS 3025 (part 5)
116	CHEMICAL- WATER	Drinking Water	pH Value	IS 3025 (part 11)
117	CHEMICAL- WATER	Drinking water	Residual Free Chlorine	IS 3025 (part-26)
118	CHEMICAL- WATER	Drinking Water	Silica	APHA 23rd Edition 4500 Sio2 C
119	CHEMICAL- WATER	Drinking water	Sulphate	APHA 23 rd edition 4500 SO4 2- E
120	CHEMICAL- WATER	Drinking Water	sulphide	APHA 23rd Edition 4500 S2 F
121	CHEMICAL- WATER	Drinking water	Temperature	IS 3025 Part 9
122	CHEMICAL- WATER	Drinking Water	Total Acidity	IS 3025(P-22)
123	CHEMICAL- WATER	Drinking water	Total Alkalinity	IS 3025 (part 23)

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124	CHEMICAL- WATER	Drinking water	Total Dissolved Solids	IS 3025 (part 16)
125	CHEMICAL- WATER	Drinking water	Total Hardness	IS 3025 Part 21
126	CHEMICAL- WATER	Drinking water	Turbidity	IS 3025 (part 10)
127	CHEMICAL- WATER	Ground water	Bio chemical oxygen demand	APHA 23rd Edition 5210B
128	CHEMICAL- WATER	Ground Water	Calcium	IS 3025 Part 40
129	CHEMICAL- WATER	ground water	Chemical Oxygen Demand	IS 3025(P-58)
130	CHEMICAL- WATER	Ground Water	Chloride	IS 3025 (part 32)
131	CHEMICAL- WATER	Ground Water	Color	IS 3025 (part 04)
132	CHEMICAL- WATER	Ground Water	Conductivity	IS 3025 (part 14)
133	CHEMICAL- WATER	ground water	Cyanide	APHA 23rd Edition 4500 CN E
134	CHEMICAL- WATER	Ground water	Dissolved Oxygen	IS 3025(P-38)
135	CHEMICAL- WATER	Ground Water	Hexavalent chromium as Cr6	APHA 23 rd edition 3500 Cr-B
136	CHEMICAL- WATER	Ground Water	Magnesium	IS 3025 (Part 46)
137	CHEMICAL- WATER	Ground water	Nitrite	IS 3025(P-34)
138	CHEMICAL- WATER	Ground Water	Odor	IS 3025 (part 5)
139	CHEMICAL- WATER	Ground Water	pH Value	IS 3025 (part 11)
140	CHEMICAL- WATER	Ground Water	Phosphate	IS 3025 (part-31)
141	CHEMICAL- WATER	ground water	Potassium	IS 3025 (P- 45)
142	CHEMICAL- WATER	Ground Water	Residual Free Chlorine	IS 3025 (part-26)
143	CHEMICAL- WATER	ground water	Silica	APHA 23rd Edition 4500 Sio2 C
144	CHEMICAL- WATER	ground water	Sodium	IS 3025 (P- 45)
145	CHEMICAL- WATER	Ground Water	Sulphate	APHA 23 rd edition 4500 SO4 2- E
146	CHEMICAL- WATER	Ground water	sulphide	APHA 23rd Edition 4500 S2 F
147	CHEMICAL- WATER	Ground Water	Temperature	IS 3025 Part 9
148	CHEMICAL- WATER	ground water	Total Acidity	IS 3025(P-22)
149	CHEMICAL- WATER	Ground Water	Total Dissolved Solids	IS 3025 (part 16)
150	CHEMICAL- WATER	Ground Water	Total Hardness	IS 3025 Part 21
151	CHEMICAL- WATER	ground water	Total Suspended solids	IS 3025(P-17)
152	CHEMICAL- WATER	Ground Water	Turbidity	IS 3025 (part 10)
153	CHEMICAL- WATER	surface water	Total Acidity	IS 3025(P-22)

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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
154	CHEMICAL- WATER	Surface water	Biochemical oxygen demand	APHA 23rd Edition 5210B
155	CHEMICAL- WATER	Surface Water	Boron	APHA 23 rd edition 4500 B B
156	CHEMICAL- WATER	Surface Water	Calcium	IS 3025 Part 40
157	CHEMICAL- WATER	surface water	Chemical Oxygen Demand	IS 3025(P-58)
158	CHEMICAL- WATER	Surface Water	Chloride	IS 3025 (part 32)
159	CHEMICAL- WATER	Surface Water	Color	IS 3025 (part 04)
160	CHEMICAL- WATER	Surface Water	Conductivity	IS 3025 (part 14)
161	CHEMICAL- WATER	surface water	Cyanide	APHA 23rd Edition 4500 CN E
162	CHEMICAL- WATER	surface water	Dissolved Oxygen	IS 3025(P-38)
163	CHEMICAL- WATER	Surface Water	Fluoride	APHA 23 rd edition 4500 F D
164	CHEMICAL- WATER	Surface Water	Hexavalent chromium as Cr6+	APHA 23 rd edition 3500 Cr-B
165	CHEMICAL- WATER	Surface Water	Iron	APHA 23 rd edition 3500Fe B
166	CHEMICAL- WATER	Surface Water	Magnesium	IS 3025 (Part 46)
167	CHEMICAL- WATER	Surface Water	Nitrate	IS 3025 (part-34)
168	CHEMICAL- WATER	Surface Water	Nitrite	IS 3025(P-34)
169	CHEMICAL- WATER	Surface Water	Odor	IS 3025 (part 5)
170	CHEMICAL- WATER	Surface Water	pH Value	IS 3025 (part 11)
171	CHEMICAL- WATER	Surface Water	Phosphate	IS 3025 (part-31)
172	CHEMICAL- WATER	surface water	Potassium	IS 3025 (P- 45)
173	CHEMICAL- WATER	Surface Water	Residual Free Chlorine	IS 3025 (part-26)
174	CHEMICAL- WATER	surface water	Silica	APHA 23rd Edition 4500 Sio2 C
175	CHEMICAL- WATER	surface water	Sodium	IS 3025 (P- 45)
176	CHEMICAL- WATER	Surface Water	Sulphate	APHA 23 rd edition 4500 SO4 2- E
177	CHEMICAL- WATER	surface water	sulphide	APHA 23rd Edition 4500 S2 F
178	CHEMICAL- WATER	Surface Water	Temperature	IS 3025 Part 9
179	CHEMICAL- WATER	Surface Water	Total Alkalinity	IS 3025 (part 23)
180	CHEMICAL- WATER	Surface Water	Total Dissolved Solids	IS 3025 (part 16)
181	CHEMICAL- WATER	Surface Water	Total Hardness	IS 3025 Part 21
182	CHEMICAL- WATER	surface water	Total Solids	IS 3025(P-15)
183	CHEMICAL- WATER	surface water	Total Suspended solids	IS 3025(P-17)

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184	CHEMICAL- WATER	Surface Water	Turbidity	IS 3025 (part 10)
185	CHEMICAL- WATER	Swimming pool water	Iron	APHA 23 rd edition 3500Fe B
186	CHEMICAL- WATER	Swimming pool water	pH	IS 3025 (part 11)
187	CHEMICAL- WATER	Swimming pool water	Residual Free Chlorine	IS 3025 (part-26)
188	CHEMICAL- WATER	Swimming pool water	Total Alkalinity	IS 3025 (part 23)
189	CHEMICAL- WATER	Swimming pool water	Total Dissolved Solids	IS 3025 (part 16)
190	CHEMICAL- WATER	Swimming pool water	Turbidity	IS 3025 (part 10)