National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	BHARAT FOUNDATION (ENVIRONMENTAL LABORATORY), 25/11 A, K. P. ROY LANE, KOLKATA, WEST BENGAL, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5850	**Page No**	1 of 7
Validity	29/05/2022 to 28/05/2024	**Last Amended on**	04/10/2022

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	ISC 3rd Edition (Method-401)
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Oxides of Nitrogen	IS 5182 (Part 6)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Ozone	IS 5182 (Part 9)
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	PM 10	IS 5182 (Part 23)
5	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	PM 2.5	Lab sop (SOP 02) based on NAAQS guidelines Manual Vol - I)2011
6	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Sulphur dioxide	IS 5182 (Part 2)
7	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Suspended Particulate Matter (SPM)	IS 5182 : Part 4
8	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Noise Level	Sound Level	IS 9989
9	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Carbon dioxide	IS 13270
10	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Carbon Monoxide	IS 13270
11	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Oxides of Nitrogen	IS 11255 (Part 7)
12	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Oxygen	IS 13270
13	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	PM	IS 11255 (Part 1) & CPCB Guidelines
14	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Sulfur dioxide	IS 11255 (Part 2)
15	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Waters / Liquid Effluents	Ammonia	APHA 23rd Edition (Part 4500-NH3- B,C,F)
16	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Waters / Liquid Effluents	Arsenic	APHA 23rd Edition (Part 3500 As-B)
17	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Waters / Liquid Effluents	BOD at 27° C , 3 days	IS: 3025 (Part 44)
18	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Waters / Liquid Effluents	Boron	APHA 23rd Edition(Part 4500 –B-C)

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19	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Waters / Liquid Effluents	Chloride	APHA 23rd Edition (Part 4500 Cl- B)
20	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Waters / Liquid Effluents	COD	APHA 23rd Edition (Part 5220-B)
21	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Waters / Liquid Effluents	Dissolved Oxygen	APHA 23rd Edition (Part 4500-O-C)
22	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Waters / Liquid Effluents	Hexavalent Chromium	APHA 23rd Edition (Part 3500-Cr-B)
23	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Waters / Liquid Effluents	Iron	APHA 23rd Edition (Part 3500 Fe B)
24	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Waters / Liquid Effluents	Nitrate	APHA 23rd Edition (Part 4500 NO3 -E)
25	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Waters / Liquid Effluents	Oil & Grease	APHA 23rd Edition (Part 5520-C)
26	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Waters / Liquid Effluents	pH Value at 25°C	APHA 23rd Edition (Part 4500-H+ B)
27	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Waters / Liquid Effluents	Phenolic Compound as C6H5OH	APHA 23rd Edition (Part 5530-Phenols-C,D)
28	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Waters / Liquid Effluents	Phosphate	APHA 23rd Edition (Part 4500 - P D)
29	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Waters / Liquid Effluents	Potassium	APHA 23rd Edition(Part 3500-K-B)
30	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Waters / Liquid Effluents	Residual chlorine	IS: 3025 (Part 26)
31	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Waters / Liquid Effluents	Sodium	APHA 23rd Edition (Part 3500-Na-B)
32	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Waters / Liquid Effluents	Sulfate	APHA 23rd Edition(Part 4500-SO4 -2 E)
33	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Waters / Liquid Effluents	Temperature	APHA 23rd Edition (Part 2550-B)
34	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Waters / Liquid Effluents	Total Dissolved Solids(TDS)	APHA 23rd Edition(Part 2540 C)
35	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Waters / Liquid Effluents	Total Kjeldahl Nitrogen (TKN)	APHA 23rd Edition 4500-Norg-B)
36	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Waters / Liquid Effluents	Total Solids(TS)	APHA 23rd Edition(Part 2540-B)
37	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Waters / Liquid Effluents	Total Suspended Solids (TSS)	APHA 23rd Edition (2540-D)

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38	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Waters / Liquid Effluents	Aluminum	APHA 23rd Edition (Part 3500-Al-B)
39	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Waters/Liquid Effluent	Copper	APHA 23rd Edition (Part 3500-Cu-B)
40	CHEMICAL- RESIDUES IN WATER	Drinking Water	Phosphate	APHA 23rd Edition (Part 4500 P D)
41	CHEMICAL- RESIDUES IN WATER	Drinking water	Potassium	APHA 23rd Edition (Part 3500-K-B)
42	CHEMICAL- RESIDUES IN WATER	Drinking Water	Aluminum	APHA 23rd Edition (Part 3500-Al-B.)
43	CHEMICAL- RESIDUES IN WATER	Drinking Water	Arsenic	APHA 23rd Edition (Part 3500 As B)
44	CHEMICAL- RESIDUES IN WATER	Drinking Water	Boron	APHA 23rd Edition (Part 4500 –B C).
45	CHEMICAL- RESIDUES IN WATER	Drinking Water	Calcium	APHA 23rd Edition (Part 3500 Ca B)
46	CHEMICAL- RESIDUES IN WATER	Drinking Water	Chloride	APHA 23rd Edition (Part 4500 Cl- B)
47	CHEMICAL- RESIDUES IN WATER	Drinking Water	Copper	APHA 23rd Edition (Part 3500-Cu-B)
48	CHEMICAL- RESIDUES IN WATER	Drinking Water	Fluoride	APHA 23rd Edition (Part 4500 F- D)
49	CHEMICAL- RESIDUES IN WATER	Drinking water	Hexavalent Chromium	APHA 23rd Edition (Part 3500-Cr B)
50	CHEMICAL- RESIDUES IN WATER	Drinking water	Iron	APHA 23rd Edition (Part 3500 Fe B.)
51	CHEMICAL- RESIDUES IN WATER	Drinking water	Magnesium	APHA 23rd Edition (Part 3500-Mg-B)
52	CHEMICAL- RESIDUES IN WATER	Drinking Water	Nitrate	APHA 23rd Edition (Part 4500 NO3- E).
53	CHEMICAL- RESIDUES IN WATER	Drinking water	Phenolic Compound as C6 H5 OH	APHA 23 rd Edition (Part 5530-Phenols-C, D.)
54	CHEMICAL- RESIDUES IN WATER	Drinking Water	Residual Chlorine	IS 3025 (Part 26)
55	CHEMICAL- RESIDUES IN WATER	Drinking water	Sodium	APHA 23rd Edition (Part 3500-Na-B)
56	CHEMICAL- RESIDUES IN WATER	Drinking Water	Sulfate	APHA 23rd Edition (Part 4500 SO4-2 E)

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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
57	CHEMICAL- RESIDUES IN WATER	Ground Water	Aluminum	APHA 23rd Edition (Part 3500-Al-B)
58	CHEMICAL- RESIDUES IN WATER	Ground Water	Arsenic	APHA 23rd Edition (Part 3500 As-B)
59	CHEMICAL- RESIDUES IN WATER	Ground Water	Boron	APHA 23rd Edition (Part 4500 –B-C)
60	CHEMICAL- RESIDUES IN WATER	Ground Water	Calcium	APHA 23rd Edition (Part 3500 Ca B).
61	CHEMICAL- RESIDUES IN WATER	Ground Water	Chloride	APHA 23rd Edition (Part 4500 Cl- B)
62	CHEMICAL- RESIDUES IN WATER	Ground Water	Copper	APHA 23rd Edition(Part 3500-Cu-B)
63	CHEMICAL- RESIDUES IN WATER	Ground Water	Fluoride	APHA 23rd Edition (Part 4500 F- D)
64	CHEMICAL- RESIDUES IN WATER	Ground Water	Hexavalent Chromium	APHA 23rd Edition (Part 3500-Cr-B)
65	CHEMICAL- RESIDUES IN WATER	Ground Water	Iron	APHA 23rd Edition (Part 3500 Fe B)
66	CHEMICAL- RESIDUES IN WATER	Ground Water	Magnesium	APHA 23rd Edition (Part 3500-Mg-B)
67	CHEMICAL- RESIDUES IN WATER	Ground Water	Nitrate	APHA 23rd Edition(Part 4500 NO3 E)
68	CHEMICAL- RESIDUES IN WATER	Ground Water	Phenolic Compound as C6H5OH	APHA 23rd Edition (5530-Phenols-C, D.)
69	CHEMICAL- RESIDUES IN WATER	Ground Water	Phosphate	APHA 23rd Edition (Part 4500 –P D)
70	CHEMICAL- RESIDUES IN WATER	Ground Water	Potassium	APHA 23rd Edition (Part 3500-K-B)
71	CHEMICAL- RESIDUES IN WATER	Ground Water	Residual chlorine	IS: 3025 (Part 26)
72	CHEMICAL- RESIDUES IN WATER	Ground Water	Sodium	APHA 23rd Edition (Part 3500-Na -B)
73	CHEMICAL- RESIDUES IN WATER	Ground Water	Sulfate	APHA 23rd Edition (Part 4500-SO42- E)
74	CHEMICAL- RESIDUES IN WATER	Surface Water	Aluminum	APHA 23rd Edition (Part 3500-Al-B)
75	CHEMICAL- RESIDUES IN WATER	Surface Water	Arsenic	APHA 23rd Edition (Part 3500 As-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
76	CHEMICAL- RESIDUES IN WATER	Surface Water	Calcium	APHA 23rd Edition (Part 3500 Ca B)
77	CHEMICAL- RESIDUES IN WATER	Surface Water	Chloride	APHA 23rd Edition (Part 4500 Cl- B)
78	CHEMICAL- RESIDUES IN WATER	Surface Water	Copper	APHA 23rd Edition(Part 3500-Cu-B)
79	CHEMICAL- RESIDUES IN WATER	Surface Water	Hexavalent Chromium	APHA 23rd Edition (Part 3500-Cr-B)
80	CHEMICAL- RESIDUES IN WATER	Surface Water	Iron	APHA 23rd Edition (Part 3500 Fe B.)
81	CHEMICAL- RESIDUES IN WATER	Surface Water	Magnesium	APHA 23rd Edition(Part 3500-Mg-B)
82	CHEMICAL- RESIDUES IN WATER	Surface Water	Phenolic Compound as C6H5OH	APHA 23rd Edition (Part 5530-Phenols-C, D)
83	CHEMICAL- RESIDUES IN WATER	Surface Water	Potassium	APHA 23rd Edition (Part 3500-K-B)
84	CHEMICAL- RESIDUES IN WATER	Surface Water	Sodium	APHA 23rd Edition (Part 3500-Na-B)
85	CHEMICAL- WATER	Distilled Water	Conductivity at 25°C	APHA 23rd Edition (Part 2510-B)
86	CHEMICAL- WATER	Distilled Water	pH Value at 25°C	APHA 23rd Edition (Part 4500-H+B)
87	CHEMICAL- WATER	Distilled Water	Temperature	APHA 23rd Edition (Part 2550-B)
88	CHEMICAL- WATER	Drinking water	Alkalinity	IS 3025 (Part 23)
89	CHEMICAL- WATER	Drinking water	Colour	APHA 23rd Edition (Part 2120 B)
90	CHEMICAL- WATER	Drinking Water	Conductivity at 25°C	APHA 23rd Edition 2510-B
91	CHEMICAL- WATER	Drinking water	Dissolved Oxygen	APHA 23rd Edition (Part 4500-O-C)
92	CHEMICAL- WATER	Drinking water	pH Value at 25°C	APHA 23rd Edition (Part 4500 H+B).
93	CHEMICAL- WATER	Drinking water	Temperature	APHA 23rd Edition (Part 2550-B)
94	CHEMICAL- WATER	Drinking water	Total dissolved solids (TDS)	APHA 23rd Edition (Part 2540 C)
95	CHEMICAL- WATER	Drinking water	Total Hardness	APHA 23rd Edition (Part 2340 C)

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96	CHEMICAL- WATER	Drinking water	Total Solids (TS)	APHA 23rd Edition (Part 2540 B)
97	CHEMICAL- WATER	Drinking water	Total suspended solids (TSS)	APHA 23rd Edition (Part 2540 D)
98	CHEMICAL- WATER	Drinking water	Turbidity	APHA 23rd Edition (Part 2130 B)
99	CHEMICAL- WATER	Drinking water	Volatile solids (VS)	APHA 23rd Edition (Part 2540 E)
100	CHEMICAL- WATER	Ground Water	Alkalinity	IS: 3025 (Part 23)
101	CHEMICAL- WATER	Ground Water	Colour	APHA 23rd Edition (Part 2120 B)
102	CHEMICAL- WATER	Ground Water	Conductivity at 25°C	APHA 23rd Edition (Part 2510-B)
103	CHEMICAL- WATER	Ground Water	Dissolved Oxygen	APHA 23rd Edition (Part 4500-O-C)
104	CHEMICAL- WATER	Ground Water	pH Value at 25°C	APHA 23rd Edition (Part 4500-H+B)
105	CHEMICAL- WATER	Ground Water	Temperature	APHA 23rd Edition (Part 2550-B)
106	CHEMICAL- WATER	Ground Water	Total Dissolved Solids (TDS)	APHA 23rd Edition(Part 2540 C)
107	CHEMICAL- WATER	Ground Water	Total Hardness	APHA 23rd Edition (Part 2340 C)
108	CHEMICAL- WATER	Ground Water	Total Solids(TS)	APHA 23rd Edition (Part 2540-B)
109	CHEMICAL- WATER	Ground Water	Total Suspended Solids (TSS)	APHA 23rd Edition(Part 2540-D)
110	CHEMICAL- WATER	Ground Water	Turbidity	APHA 23rd Edition (Part 2130 B)
111	CHEMICAL- WATER	Ground Water	Volatile Solids(VS)	APHA 23rd Edition (Part 2540 E)
112	CHEMICAL- WATER	Surface Water	Alkalinity	IS: 3025 (Part 23)
113	CHEMICAL- WATER	Surface Water	Boron	APHA 23rd Edition (Part 4500 –B-C)
114	CHEMICAL- WATER	Surface Water	Colour	APHA 23rd Edition (Part 2120 B)
115	CHEMICAL- WATER	Surface Water	Conductivity at 25°C	APHA 23rd Edition (Part 2510-B)

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116	CHEMICAL- WATER	Surface Water	Dissolved Oxygen	APHA 23rd Edition (Part 4500-O-C)
117	CHEMICAL- WATER	Surface Water	Fluoride	APHA 23rd Edition (Part 4500 F- D)
118	CHEMICAL- WATER	Surface Water	Nitrate	APHA 23rd Edition (Part 4500 NO3- E)
119	CHEMICAL- WATER	Surface Water	pH Value at 25°C	APHA 23rd Edition (Part 4500-H+B)
120	CHEMICAL- WATER	Surface Water	Phosphate	APHA 23rd Edition (Part 4500 –P D)
121	CHEMICAL- WATER	Surface Water	Residual chlorine	IS: 3025 (Part 26)
122	CHEMICAL- WATER	Surface Water	Sulfate	APHA 23rd Edition (Part 4500-SO42- E)
123	CHEMICAL- WATER	Surface Water	Temperature	APHA 23rd Edition (Part 2550-B)
124	CHEMICAL- WATER	Surface Water	Total Dissolved Solids (TDS)	APHA 23rd Edition (Part 2540 C)
125	CHEMICAL- WATER	Surface Water	Total Hardness	APHA 23rd Edition(Part 2340 C)
126	CHEMICAL- WATER	Surface Water	Total Solids(TS)	APHA 23rd Edition (Part 2540-B)
127	CHEMICAL- WATER	Surface Water	Total Suspended Solids (TSS)	APHA 23rd Edition(Part 2540-D)
128	CHEMICAL- WATER	Surface Water	Turbidity	APHA 23rd Edition(Part 2130 B.)
129	CHEMICAL- WATER	Surface Water	Volatile Solids(VS)	APHA 23rd Edition (Part 2540 E)