National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ENVIRONMENT LABORATORY, CMPDIL, RI-I, ASANSOL, G T ROAD, WEST END, ASANSOL, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-4139 **Page No** 1 of 4

Validity 22/05/2023 to 21/05/2025 **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
Permanent Facility				
1	BIOLOGICAL- WATER	Drinking Water	Total Coliform Bacteria	APHA 9221-B
2	BIOLOGICAL- WATER	Ground Water	Total Coliform Bacteria	APHA 9221-B
3	BIOLOGICAL- WATER	Surface Water	Total Coliform Organisms	APHA 9221-B
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Oxides of Nitrogen	IS 5182 (Part 6)
5	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	PM10	IS 5182 (Part 23)
6	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	PM2.5	IS 5182 (Part 24)
7	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Sulphur Dioxide	IS 5182 (Part 2)
8	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Noise Levels	Sound Pressure Level Measurement for L10, L50, L90, Lmin, Lmax & Leq	Protocol for Ambient Level Noise Monitoring CPCB, Page 1 to 5
9	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Ammonical Nitrogen	IS 3025 (Part 34)
10	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Bio-chemical Oxygen Demand	IS 3025 (Part 44)
11	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Chemical Oxygen Demand	APHA, 5220 C
12	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Colour	IS 3025 (Part 4)
13	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Dissolved Phosphate	IS 3025 (Part 31)
14	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Fluoride	APHA 4500-D
15	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Free Ammonia	IS 3025 (Part 34)
16	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Hexavalent Chromium	APHA 3500-B
17	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Nitrate Nitrogen	APHA 4500-B
18	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Odour	IS 3025 (Part 6)
19	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Oil and Grease	IS 3025 (Part 39)

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20	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	pH	IS 3025 (Part 11)
21	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Phenolics Compound	IS 3025 (Part 43/Sec. 1))
22	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Sulphide	IS 3025 (Part 29)
23	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Temperature	IS 3025 (Part 9)
24	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Total Dissolved Solids	IS 3025 (Part 16)
25	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Total Residual Chlorine	IS 3025 (Part 26)
26	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water	Total Suspended Solid	IS 3025 (Part 17)
27	CHEMICAL- RESIDUES IN WATER	Trace Metals (Effluent/Drinking/Ground Water)	Nickel	IS 3025 (Part 54)
28	CHEMICAL- RESIDUES IN WATER	Trace Metals (Effluent/Drinking/Ground Water)	Total Chromium	IS 3025 (Part 52)
29	CHEMICAL- RESIDUES IN WATER	Trace Metals (Effluent/Surface/Drinking/Ground Water)	Copper	IS 3025 (Part 42)
30	CHEMICAL- RESIDUES IN WATER	Trace Metals (Effluent/Surface/Drinking/Ground Water)	Iron	IS 3025 (Part 53)
31	CHEMICAL- RESIDUES IN WATER	Trace Metals (Effluent/Surface/Drinking/Ground Water)	Manganese	IS 3025 (Part 59)
32	CHEMICAL- RESIDUES IN WATER	Trace Metals (Effluent/Surface/Drinking/Ground Water)	Zinc	IS 3025 (Part 49)
33	CHEMICAL- WATER	Drinking Water	Alkalinity	IS 3025 (Part 23)
34	CHEMICAL- WATER	Drinking Water	Boron	APHA 4500-B
35	CHEMICAL- WATER	Drinking Water	Calcium	IS 3025 (Part 40)
36	CHEMICAL- WATER	Drinking Water	Chloride	IS 3025 (Part 32)
37	CHEMICAL- WATER	Drinking Water	Colour	IS 3025 (Part 4)
38	CHEMICAL- WATER	Drinking Water	Fluoride	APHA 4500-F
39	CHEMICAL- WATER	Drinking Water	Free Residual Chlorine	IS 3025 (Part 26)
40	CHEMICAL- WATER	Drinking Water	Nitrate	APHA 4500-B
41	CHEMICAL- WATER	Drinking Water	Odour	IS 3025 (Part 6)
42	CHEMICAL- WATER	Drinking Water	pH	IS 3025 (Part 11)

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Certificate Number TC-4139 **Page No** 3 of 4

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43	CHEMICAL- WATER	Drinking Water	Phenolics Compound	IS 3025 (Part 43/Sec. 1)
44	CHEMICAL- WATER	Drinking Water	Sulphate	IS 3025 (Part 24/Sec.1)
45	CHEMICAL- WATER	Drinking Water	Sulphide	IS 3025 (Part 29)
46	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids	IS 3025 (Part 16)
47	CHEMICAL- WATER	Drinking Water	Total Hardness (CaCO3)	IS 3025 (Part 21)
48	CHEMICAL- WATER	Drinking Water	Turbidity	IS 3025 (Part 10)
49	CHEMICAL- WATER	Ground Water	Alkalinity	IS 3025 (Part 23)
50	CHEMICAL- WATER	Ground Water	Boron	APHA 4500-B
51	CHEMICAL- WATER	Ground Water	Calcium	IS 3025 (Part 40)
52	CHEMICAL- WATER	Ground Water	Chloride	IS 3025 (Part 32)
53	CHEMICAL- WATER	Ground Water	Colour	IS 3025 (Part 4)
54	CHEMICAL- WATER	Ground Water	Fluoride	APHA 4500-F
55	CHEMICAL- WATER	Ground Water	Free Residual Chlorine	IS 3025 (Part 26)
56	CHEMICAL- WATER	Ground Water	Nitrate	APHA 4500-B
57	CHEMICAL- WATER	Ground Water	Odour	IS 3025 (Part 6)
58	CHEMICAL- WATER	Ground Water	pH	IS 3025 (Part 11)
59	CHEMICAL- WATER	Ground Water	Phenolics Compound	IS 3025 (Part 43/Sec. 1))
60	CHEMICAL- WATER	Ground Water	Sulphate	IS 3025 (Part 24/Sec. 1)
61	CHEMICAL- WATER	Ground Water	Sulphide	IS 3025 (Part 29)
62	CHEMICAL- WATER	Ground Water	Total Dissolved Solids	IS 3025 (Part 16)
63	CHEMICAL- WATER	Ground Water	Total Hardness (CaCO3)	IS 3025 (Part 21)
64	CHEMICAL- WATER	Ground Water	Turbidity	IS 3025 (Part 10)
65	CHEMICAL- WATER	Surface Water	Bio-chemical Oxygen Demand	IS 3025 (Part 44)
66	CHEMICAL- WATER	Surface Water	Boron	APHA 4500-B
67	CHEMICAL- WATER	Surface Water	Chloride	IS 3025 (Part 32)
68	CHEMICAL- WATER	Surface Water	Colour	IS 3025 (Part 4)
69	CHEMICAL- WATER	Surface Water	Dissolved Oxygen	IS 3025 (Part 38)
70	CHEMICAL- WATER	Surface Water	Fluoride	APHA 4500-D
71	CHEMICAL- WATER	Surface Water	Free Ammonia	IS 3025 (Part 34)
72	CHEMICAL- WATER	Surface Water	Hexavalent Chromium	APHA 3500-B

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73	CHEMICAL- WATER	Surface Water	Nitrate	APHA 4500-B
74	CHEMICAL- WATER	Surface Water	Odour	IS 3025 (Part 6)
75	CHEMICAL- WATER	Surface Water	pH Value	IS 3025 Part 11
76	CHEMICAL- WATER	Surface Water	Phenolics Compound	IS 3025 (Part 43/Sec. 1))
77	CHEMICAL- WATER	Surface Water	Sulphate	IS 3025 (Part 24/Sec. 1))
78	CHEMICAL- WATER	Surface Water	Taste Threshold	IS 3025 (Part 7)
79	CHEMICAL- WATER	Surface Water	Total Dissolved Solids (TDS)	IS 3025 (Part 16)
80	CHEMICAL- WATER	Surface Water	Total Hardness	IS 3025 (Part 21)