



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name ENVIRONMENTAL ANALYTICAL LABORATORY, DEPARTMENT OF SCIENCE, TECHNOLOGY & ENVIRONMENT, PUDUCHERRY POLLUTION CONTROL COMMITTEE,, R.S.NO. 189, GARAGE BUILDING, IYYANAR KOIL STREET, MARIE OULGARET, METTUPALAYAM, OZHUKARAI, PUDUCHERRY, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6480 Page No. : 1 / 8

Validity 03/11/2019 to 02/11/2021 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	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Nitrogen Dioxide (as NO ₂)	IS 5182 (Part 6): 2012
2	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Respirable Particulate Matter (size less than 10µm) or PM 10	IS 5182 (Part 23): 2012
3	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Sulphur Dioxide (as SO ₂)	IS 5182 (Part 2) : 2012
4	CHEMICAL-ATMOSPHERIC POLLUTION	Noise Level(Industrial, Ambient Noise)	Sound level	IS: 9989-1981: 2014
5	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Emission	Flow Rate	IS 11255 (Part 3) : 2013
6	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Emission	Nitrogen Dioxide (as NO _x)	IS 11255 (Part 7) : 2012
7	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Emission	Particulate Matter (PM)	IS: 11255 (Part 1) : 2014
8	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Emission	Sulphur Dioxide (as SO ₂)	IS: 11255 (Part 2) : 2014
9	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Emission	Temperature	IS 11255 (Part 3) : 2013



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10	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Emission	Velocity	IS 11255 (Part 3) : 2013
11	CHEMICAL-POLLUTION & ENVIRONMENT	Liquid Effluent (Effluent Water, STP Water)	Bio Chemical Oxygen Demand (3 days @ 27°C)	IS 3025 (Part 44): 2014
12	CHEMICAL-POLLUTION & ENVIRONMENT	Liquid Effluent (Effluent Water, STP Water)	Chemical Oxygen Demand	IS 3025 (Part 58): 2012
13	CHEMICAL-POLLUTION & ENVIRONMENT	Liquid Effluent (Effluent Water, STP Water)	Chloride as Cl-	APHA 23rd Edition, 4500-Cl- B: 2017
14	CHEMICAL-POLLUTION & ENVIRONMENT	Liquid Effluent (Effluent Water, STP Water)	Chlorine, Residual	IS 3025 (Part 26): 2014
15	CHEMICAL-POLLUTION & ENVIRONMENT	Liquid Effluent (Effluent Water, STP Water)	Hexavalent Chromium as Cr6+	APHA 23rd Edition, 3500-Cr B: 2017
16	CHEMICAL-POLLUTION & ENVIRONMENT	Liquid Effluent (Effluent Water, STP Water)	Oil & grease	IS 3025 (Part 39) : 2014
17	CHEMICAL-POLLUTION & ENVIRONMENT	Liquid Effluent (Effluent Water, STP Water)	pH Value@25°C	APHA 23rd Edition, 4500-H+ B: 2017
18	CHEMICAL-POLLUTION & ENVIRONMENT	Liquid Effluent (Effluent Water, STP Water)	Phosphate as PO43- -P	APHA 23rd Edition, 4500-P D: 2017



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19	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent (Effluent Water, STP Water)	Sulphate as SO ₄ ²⁻	APHA 23rd Edition, 4500-SO ₄ ²⁻ E: 2017
20	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent (Effluent Water, STP Water)	Temperature	APHA 23rd Edition, 2550 B: 2017
21	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent (Effluent Water, STP Water)	Total Dissolved solids Dried at 180°C	APHA 23rd Edition, 2540 C: 2017
22	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent (Effluent Water, STP Water)	Total Suspended Solids Dried at 103-105°C	APHA 23rd Edition, 2540 D: 2017
23	CHEMICAL- WATER	River Water	Dissolved Oxygen	APHA 23rd Edition, 4500-O C: 2017
24	CHEMICAL- WATER	Ground Water	Alkalinity as CaCO ₃	APHA 23rd Edition, 2320 B: 2017
25	CHEMICAL- WATER	Ground Water	Bio Chemical Oxygen Demand (3 days @ 27°C)	IS 3025 (Part 44) : 2014
26	CHEMICAL- WATER	Ground Water	Calcium as Ca	APHA 23rd Edition, 3500-Ca B: 2017
27	CHEMICAL- WATER	Ground Water	Calcium hardness as CaCO ₃	APHA 23rd Edition, 3500-Ca B: 2017
28	CHEMICAL- WATER	Ground Water	Chemical Oxygen Demand	IS 3025 (Part 58) : 2012
29	CHEMICAL- WATER	Ground Water	Chloride as Cl ⁻	APHA 23rd Edition, 4500-Cl ⁻ B: 2017
30	CHEMICAL- WATER	Ground Water	Conductivity@25°C	APHA 23rd Edition, 2510 B: 2017



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31	CHEMICAL- WATER	Ground Water	Hexavalent Chromium as Cr6+	APHA 23rd Edition, 3500-Cr B: 2017
32	CHEMICAL- WATER	Ground Water	Magnesium as Mg	APHA 23rd Edition, 3500-Mg B: 2017
33	CHEMICAL- WATER	Ground Water	Magnesium hardness as CaCO ₃	APHA 23 rd Edition, 3500-Mg B: 2017
34	CHEMICAL- WATER	Ground Water	pH Value@25°C	APHA 23rd Edition , 4500-H+ B: 2017
35	CHEMICAL- WATER	Ground water	Phosphate as PO ₄ ³⁻ -P	APHA 23 rd Edition, 4500-P D: 2017
36	CHEMICAL- WATER	Ground water	Sulphate as SO ₄ ²⁻	APHA 23rd Edition, 4500-SO ₄ ²⁻ E: 2017
37	CHEMICAL- WATER	Ground water	Temperature	APHA 23rd Edition, 2550 B: 2017
38	CHEMICAL- WATER	Ground water	Total Dissolved Solids dried at 180°C	APHA 23rd Edition, 2540 C: 2017
39	CHEMICAL- WATER	Ground water	Total Fixed Solids ignited at 550 °C	APHA 23rd Edition, 2540 E: 2017
40	CHEMICAL- WATER	Ground water	Total Hardness as CaCO ₃	APHA 23rd Edition, 2340 C: 2017
41	CHEMICAL- WATER	Ground water	Total Suspended Solids Dried at 103-105°C	APHA 23rd Edition, 2540 D: 2017
42	CHEMICAL- WATER	Ground water	Turbidity	APHA 23rd Edition, 2130 B: 2017
43	CHEMICAL- WATER	Lake water	Alkalinity as CaCO ₃	APHA 23rd Edition, 2320 B: : 2017



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44	CHEMICAL- WATER	Lake water	Bio Chemical Oxygen Demand (3 days @ 27°C)	IS 3025 (Part 44) : 2014
45	CHEMICAL- WATER	Lake water	Calcium as Ca	APHA 23rd Edition, 3500-Ca B: 2017
46	CHEMICAL- WATER	Lake water	Calcium hardness as CaCO ₃	APHA 23rd Edition, 3500-Ca B: 2017
47	CHEMICAL- WATER	Lake water	Chemical Oxygen Demand	IS 3025 (Part 58) : 2012
48	CHEMICAL- WATER	Lake water	Chloride as Cl ⁻	APHA 23rd Edition, 4500-Cl- B: 2017
49	CHEMICAL- WATER	Lake water	Conductivity@25°C	APHA 23rd Edition, 2510 B: 2017
50	CHEMICAL- WATER	Lake water	Dissolved Oxygen	APHA 23rd Edition, 4500-O C: 2017
51	CHEMICAL- WATER	Lake water	Hexavalent Chromium as Cr ⁶⁺	APHA 23rd Edition, 3500-Cr B: 2017
52	CHEMICAL- WATER	Lake water	Magnesium as Mg	APHA 23rd Edition, 3500-Mg B: 2017
53	CHEMICAL- WATER	Lake water	Magnesium hardness as CaCO ₃	APHA 23 rd Edition, 3500-Mg B: 2017
54	CHEMICAL- WATER	Lake water	pH Value@25°C	APHA 23rd Edition , 4500-H+ B: 2017
55	CHEMICAL- WATER	Lake water	Phosphate as PO ₄ ³⁻ -P	APHA 23rd Edition, 4500-P D: 2017
56	CHEMICAL- WATER	Lake Water	Potassium as K	APHA 23rd Edition, Part No. 3500 Na -B: 2017



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57	CHEMICAL- WATER	Lake Water	Sodium as Na	APHA 23rd Edition, Part No. 3500 Na -B: 2017
58	CHEMICAL- WATER	Lake water	Sulphate as SO42-	APHA 23rd Edition, 4500-SO42- E: : 2017
59	CHEMICAL- WATER	Lake water	Temperature	APHA 23rd Edition, 2550 B: 2017: 2013
60	CHEMICAL- WATER	Lake water	Total Dissolved solids Dried at 180°C	APHA 23rd Edition, 2540 C: : 2017
61	CHEMICAL- WATER	Lake water	Total Fixed Solids ignited at 550 °C	APHA 23rd Edition, 2540 E: : 2017
62	CHEMICAL- WATER	Lake water	Total Hardness as CaCO3	APHA 23rd Edition, 2340 C: : 2017
63	CHEMICAL- WATER	Lake water	Total Suspended Solids Dried at 103-105°C	APHA 23rd Edition, 2540 D: : 2017
64	CHEMICAL- WATER	Lake water	Turbidity	APHA 23rd Edition, 2130 B: : 2017
65	CHEMICAL- WATER	River Water	Alkalinity as CaCO3	APHA 23rd Edition, 2320 B: : 2017
66	CHEMICAL- WATER	River Water	Bio Chemical Oxygen Demand (3 days @ 27°C)	IS 3025 (Part 44) : 2014
67	CHEMICAL- WATER	River Water	Calcium as Ca	APHA 23rd Edition, 3500-Ca B: 2017
68	CHEMICAL- WATER	River Water	Calcium hardness as CaCO3	APHA 23rd Edition, 3500-Ca B: 2017
69	CHEMICAL- WATER	River Water	Chemical Oxygen Demand	IS 3025 (Part 58) : 2012



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70	CHEMICAL- WATER	River Water	Chloride as Cl ⁻	APHA 23rd Edition, 4500-Cl- B: : 2017
71	CHEMICAL- WATER	River water	Conductivity@25°C	APHA 23rd Edition, 2510 B: 2017
72	CHEMICAL- WATER	River Water	Hexavalent Chromium as Cr ⁶⁺	APHA 23rd Edition, 3500-Cr B: : 2017
73	CHEMICAL- WATER	River Water	Magnesium as Mg	APHA 23rd Edition, 3500-Mg B: : 2017
74	CHEMICAL- WATER	River Water	Magnesium hardness as CaCO ₃	APHA 23 rd Edition, 3500-Mg B: : 2017
75	CHEMICAL- WATER	River Water	pH value @ 25°C	APHA 23rd Edition, 4500-H+ B: 2017
76	CHEMICAL- WATER	River Water	Phosphate as PO ₄ ³⁻ -P	APHA 23 rd Edition, 4500-P D: : 2017
77	CHEMICAL- WATER	River Water	Potassium as K	APHA 23rd Edition, Part No. 3500 Na -B: 2017
78	CHEMICAL- WATER	River Water	Sodium as Na	APHA 23rd Edition, Part No. 3500 Na -B: 2017
79	CHEMICAL- WATER	River Water	Sulphate as SO ₄ ²⁻	APHA 23rd Edition, 4500-SO ₄ ²⁻ E: : 2017
80	CHEMICAL- WATER	River Water	Temperature	APHA 23rd Edition, 2550 B: : 2017
81	CHEMICAL- WATER	River Water	Total Dissolved Solids dried at 180°C	APHA 23rd Edition, 2540 C: : 2017
82	CHEMICAL- WATER	River Water	Total Fixed Solids ignited at 550°C	APHA 23rd Edition, 2540 E: : 2017



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83	CHEMICAL- WATER	River Water	Total Hardness as CaCO ₃	APHA 23rd Edition, 2340 C : 2017
84	CHEMICAL- WATER	River Water	Total suspended Solids Dried at 103-105°C	APHA 23rd Edition, 2540 D : 2017
85	CHEMICAL- WATER	River Water	Turbidity	APHA 23rd Edition, 2130 B : 2017
86	CHEMICAL- WATER	Sea Water	Bio Chemical Oxygen Demand (3 days @ 27°C)	IS 3025 (Part 44) :: 2014
87	CHEMICAL- WATER	Sea Water	Chemical Oxygen Demand	IS 3025 (Part 58) :: 2012
88	CHEMICAL- WATER	Sea Water	Conductivity@25°C	APHA 23rd Edition, 2510 B : 2017
89	CHEMICAL- WATER	Sea Water	Dissolved Oxygen	APHA 23rd Edition, 4500-O C:: 2017
90	CHEMICAL- WATER	Sea Water	Oil & grease	IS 3025 (Part 39) : 2014
91	CHEMICAL- WATER	Sea Water	pH Value@25°C	APHA 23rd Edition , 4500-H+ B:: 2017
92	CHEMICAL- WATER	Sea Water	Temperature	APHA 23rd Edition, 2550 B : 2017
93	CHEMICAL- WATER	Sea Water	Total Dissolved Solids dried at 180°C	APHA 23rd Edition, 2540 C : 2017
94	CHEMICAL- WATER	Sea Water	Total Suspended Solids Dried at 103-105°C	APHA 23rd Edition, 2540 D : 2017
95	CHEMICAL- WATER	Sea Water	Turbidity	APHA 23rd Edition, 2130 B : 2017