



National Accreditation Board for
Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

**ENVIRONMENTAL ANALYTICAL LABORATORY,
DEPARTMENT OF SCIENCE, TECHNOLOGY &
ENVIRONMENT, PUDUCHERRY POLLUTION CONTROL
COMMITTEE**

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

**"General Requirements for the Competence of Testing &
Calibration Laboratories"**

for its facilities at

R.S.NO. 189, GARAGE BUILDING, IYYANAR KOIL STREET, MARIE OULGARET, METTUPALAYAM,
PUDUCHERRY, INDIA

in the field of

TESTING

Certificate Number: TC-6480

Issue Date: 29/11/2023

Valid Until:

28/11/2025

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.
(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Name of Legal Entity: Puducherry Pollution Control Committee (PPCC)

Signed for and on behalf of NABL



N. Venkateswaran
Chief Executive Officer



National Accreditation Board for Testing and Calibration Laboratories

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, PUDUCHERRY, INDIA

Accreditation Standard

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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	Nitrogen Dioxide (as NO ₂)	IS 5182 (Part 6)
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Respirable Particulate Matter (size less than 10 µm) or PM ₁₀	IS 5182 (Part 23)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Sulphur Dioxide (as SO ₂)	IS 5182 (Part 2):
4	CHEMICAL- ATMOSPHERIC POLLUTION	Noise Level(Industrial, Ambient Noise, DG Set)	Leq, Lmax, Lmin, Ln (L10, L50, L90)	DSTE-PPCC/SOP/33 Issue No. 01 July 15
5	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Monitoring	CO	DSTE-PPCC/SOP/32 Issue No. 01 July 15
6	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Monitoring	CO ₂	DSTE-PPCC/SOP/32 Issue No. 01 July 15
7	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Monitoring	Flow Rate	IS 11255 (Part 3)
8	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Monitoring	NO _x	DSTE-PPCC/SOP/32 Issue No. 01 July 15
9	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Monitoring	O ₂	DSTE-PPCC/SOP/32 Issue No. 01 July 15
10	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Monitoring	Particulate Matter (PM)	IS: 11255 (Part 1)
11	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Monitoring	SO ₂	DSTE-PPCC/SOP/32 Issue No. 01 July 15
12	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Monitoring	Sulphur Dioxide (as SO ₂)	IS 11255 (Part 2)
13	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Monitoring	Temperature	IS 11255 (Part 3)
14	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Monitoring	Velocity	IS 11255 (Part 3)
15	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent (Effluent Water, STP Water)	Ammoniacal-N	APHA 23rd Edition, 4500-NH ₃ F
16	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent (Effluent Water, STP Water)	Biochemical Oxygen Demand (3 days @ 27°C)	IS 3025 (Part 44)
17	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent (Effluent Water, STP Water)	Biochemical Oxygen Demand (5 days @ 20°C)	APHA 23rd Edition, 5210 B
18	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent (Effluent Water, STP Water)	Chemical Oxygen Demand	IS 3025 (Part 58)



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19	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent (Effluent Water, STP Water)	Chloride as Cl ⁻	APHA 23rd Edition, 4500-Cl- B
20	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent (Effluent Water, STP Water)	Chlorine Residual	IS 3025 (Part 26)
21	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent (Effluent Water, STP Water)	Hexavalent Chromium as Cr ⁶⁺	APHA 23rd Edition, 3500-Cr B
22	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent (Effluent Water, STP Water)	Nitrate - N	APHA 23rd Edition, 4500-NO3-B
23	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent (Effluent Water, STP Water)	Nitrate - N	APHA 23rd Edition, 4500-NO3-E
24	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent (Effluent Water, STP Water)	Nitrite - N	APHA 23rd Edition, 4500-NO2-B
25	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent (Effluent Water, STP Water)	Oil & grease	IS 3025 (Part 39)
26	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent (Effluent Water, STP Water)	pH Value@25°C	APHA 23rd Edition, 4500-H+ B
27	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent (Effluent Water, STP Water)	Phosphate as PO ₄ ³⁻ -P	APHA 23rd Edition, 4500-P D
28	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent (Effluent Water, STP Water)	Sulphate as SO ₄ ²⁻	APHA 23rd Edition, 4500-SO ₄ ²⁻ E
29	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent (Effluent Water, STP Water)	Temperature	APHA 23rd Edition, 2550 B
30	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent (Effluent Water, STP Water)	Total Dissolved solids Dried at 180°C	APHA 23rd Edition, 2540 C
31	CHEMICAL- POLLUTION & ENVIRONMENT	Liquid Effluent (Effluent Water, STP Water)	Total Suspended Solids Dried at 103-105°C	APHA 23rd Edition, 2540 D
32	CHEMICAL- WATER	River Water	Dissolved Oxygen	APHA 23rd Edition, 4500-O C
33	CHEMICAL- WATER	Ground Water	Ammonia-N	APHA 23rd Edition, 4500-NH ₃ F
34	CHEMICAL- WATER	Ground Water	Bio Chemical Oxygen Demand (3 days @ 27°C)	IS 3025 (Part 44)
35	CHEMICAL- WATER	Ground Water	Bio Chemical Oxygen Demand (5 days @ 20°C)	APHA 23rd Edition, 5210 B
36	CHEMICAL- WATER	Ground Water	Calcium as Ca	APHA 23rd Edition, 3500-Ca B
37	CHEMICAL- WATER	Ground Water	Calcium Hardness as CaCO ₃	APHA 23rd Edition, 3500-Ca B
38	CHEMICAL- WATER	Ground Water	Chemical Oxygen Demand	IS 3025 (Part 58)
39	CHEMICAL- WATER	Ground Water	Chloride as Cl ⁻	APHA 23rd Edition, 4500-Cl- B



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40	CHEMICAL- WATER	Ground Water	Conductivity@25°C	APHA 23rd Edition, 2510 B
41	CHEMICAL- WATER	Ground Water	Hexavalent Chromium as Cr6+	APHA 23rd Edition, 3500-Cr B
42	CHEMICAL- WATER	Ground Water	Magnesium as Mg	APHA 23rd Edition, 3500-Mg B
43	CHEMICAL- WATER	Ground Water	Magnesium hardness as CaCO3	APHA 23rd Edition, 3500-Mg B
44	CHEMICAL- WATER	Ground Water	Nitrate - N	APHA 23rd Edition, 4500-NO3-B
45	CHEMICAL- WATER	Ground Water	Nitrate - N	APHA 23rd Edition, 4500-NO3-E
46	CHEMICAL- WATER	Ground Water	Nitrite - N	APHA 23rd Edition, 4500-NO2-B
47	CHEMICAL- WATER	Ground Water	pH Value@25°C	APHA 23rd Edition , 4500-H+ B
48	CHEMICAL- WATER	Ground Water	Phenolphthalein Alkalinity	APHA 23rd Edition, 2320 B
49	CHEMICAL- WATER	Ground water	Phosphate as PO43- -P	APHA 23rd Edition, 4500-P D
50	CHEMICAL- WATER	Ground Water	Potassium as K	APHA 23rd Edition, 3500-K B
51	CHEMICAL- WATER	Ground Water	Sodium as Na	APHA 23rd Edition, 3500-Na B
52	CHEMICAL- WATER	Ground water	Sulphate as SO42-	APHA 23rd Edition, 4500-SO42-E
53	CHEMICAL- WATER	Ground water	Temperature	APHA 23rd Edition, 2550 B
54	CHEMICAL- WATER	Ground Water	Total Alkalinity as CaCO3	APHA 23rd Edition, 2320 B
55	CHEMICAL- WATER	Ground water	Total Dissolved Solids dried at 180°C	APHA 23rd Edition, 2540 C
56	CHEMICAL- WATER	Ground water	Total Fixed Solids ignited at 550 °C	APHA 23rd Edition, 2540 E
57	CHEMICAL- WATER	Ground Water	Total Hardness as CaCO3	APHA 23rd Edition, 2340 C
58	CHEMICAL- WATER	Ground water	Total Suspended Solids Dried at 103-105°C	APHA 23rd Edition, 2540 D
59	CHEMICAL- WATER	Ground water	Turbidity	APHA 23rd Edition, 2130 B
60	CHEMICAL- WATER	Lake Water	Ammonia-N	APHA 23rd Edition, 4500-NH3 F
61	CHEMICAL- WATER	Lake water	Bio Chemical Oxygen Demand (3 days @ 27°C)	IS 3025 (Part 44)
62	CHEMICAL- WATER	Lake Water	Bio Chemical Oxygen Demand (5 days @ 20°C)	APHA 23rd Edition, 5210 B
63	CHEMICAL- WATER	Lake water	Calcium as Ca	APHA 23rd Edition, 3500-Ca B
64	CHEMICAL- WATER	Lake water	Calcium hardness as CaCO3	APHA 23rd Edition, 3500-Ca B



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65	CHEMICAL- WATER	Lake water	Chemical Oxygen Demand	IS 3025 (Part 58)
66	CHEMICAL- WATER	Lake water	Chloride as Cl-	APHA 23rd Edition, 4500-Cl- B
67	CHEMICAL- WATER	Lake water	Conductivity@25°C	APHA 23rd Edition, 2510 B
68	CHEMICAL- WATER	Lake water	Dissolved Oxygen	APHA 23rd Edition, 4500-O C
69	CHEMICAL- WATER	Lake water	Hexavalent Chromium as Cr6+	APHA 23rd Edition, 3500-Cr B
70	CHEMICAL- WATER	Lake water	Magnesium as Mg	APHA 23rd Edition, 3500-Mg B
71	CHEMICAL- WATER	Lake water	Magnesium hardness as CaCO ₃	APHA 23rd Edition, 3500-Mg B
72	CHEMICAL- WATER	Lake Water	Nitrate - N	APHA 23rd Edition, 4500-NO ₃ -B
73	CHEMICAL- WATER	Lake Water	Nitrate - N	APHA 23rd Edition, 4500-NO ₃ -E
74	CHEMICAL- WATER	Lake Water	Nitrite - N	APHA 23rd Edition, 4500-NO ₂ -B
75	CHEMICAL- WATER	Lake water	pH Value@25°C	APHA 23rd Edition , 4500-H+ B
76	CHEMICAL- WATER	Lake Water	Phenolphthalein Alkalinity	APHA 23rd Edition, 2320 B
77	CHEMICAL- WATER	Lake water	Phosphate as PO ₄ ³⁻ -P	APHA 23rd Edition, 4500-P D
78	CHEMICAL- WATER	Lake Water	Potassium as K	APHA 23rd Edition, 3500-K B
79	CHEMICAL- WATER	Lake Water	Sodium as Na	APHA 23rd Edition, 3500-Na B
80	CHEMICAL- WATER	Lake water	Sulphate as SO ₄ ²⁻	APHA 23rd Edition, 4500-SO ₄ ²⁻ -E
81	CHEMICAL- WATER	Lake water	Temperature	APHA 23rd Edition, 2550 B
82	CHEMICAL- WATER	Lake water	Total Alkalinity as CaCO ₃	APHA 23rd Edition, 2320 B
83	CHEMICAL- WATER	Lake water	Total Dissolved solids Dried at 180°C	APHA 23rd Edition, 2540 C
84	CHEMICAL- WATER	Lake water	Total Fixed Solids ignited at 550 °C	APHA 23rd Edition, 2540 E
85	CHEMICAL- WATER	Lake water	Total Hardness as CaCO ₃	APHA 23rd Edition, 2340 C
86	CHEMICAL- WATER	Lake water	Total Suspended Solids Dried at 103-105°C	APHA 23rd Edition, 2540 D
87	CHEMICAL- WATER	Lake water	Turbidity	APHA 23rd Edition, 2130 B
88	CHEMICAL- WATER	River Water	Ammonia-N	APHA 23rd Edition, 4500-NH ₃ F
89	CHEMICAL- WATER	River Water	Bio Chemical Oxygen Demand (3 days @ 27°C)	IS 3025 (Part 44)



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90	CHEMICAL- WATER	River Water	Bio Chemical Oxygen Demand (5 days @ 20°C)	APHA 23rd Edition, 5210 B
91	CHEMICAL- WATER	River Water	Calcium as Ca	APHA 23rd Edition, 3500-Ca B
92	CHEMICAL- WATER	River Water	Calcium hardness as CaCO ₃	APHA 23rd Edition, 3500-Ca B
93	CHEMICAL- WATER	River Water	Chemical Oxygen Demand	IS 3025 (Part 58)
94	CHEMICAL- WATER	River Water	Chloride as Cl ⁻	APHA 23rd Edition, 4500-Cl- B
95	CHEMICAL- WATER	River water	Conductivity@25°C	APHA 23rd Edition, 2510 B
96	CHEMICAL- WATER	River Water	Hexavalent Chromium as Cr ⁶⁺	APHA 23rd Edition, 3500-Cr B
97	CHEMICAL- WATER	River Water	Magnesium as Mg	APHA 23rd Edition, 3500-Mg B
98	CHEMICAL- WATER	River Water	Magnesium hardness as CaCO ₃	APHA 23rd Edition, 3500-Mg B
99	CHEMICAL- WATER	River Water	Nitrate - N	APHA 23rd Edition, 4500-NO ₃ -B
100	CHEMICAL- WATER	River Water	Nitrate - N	APHA 23rd Edition, 4500-NO ₃ -E
101	CHEMICAL- WATER	River Water	Nitrite - N	APHA 23rd Edition, 4500-NO ₂ -B
102	CHEMICAL- WATER	River Water	pH value @ 25°C	APHA 23rd Edition, 4500-H+ B
103	CHEMICAL- WATER	River Water	Phenolphthalein Alkalinity	APHA 23rd Edition, 2320 B
104	CHEMICAL- WATER	River Water	Phosphate as PO ₄ ³⁻ -P	APHA 23rd Edition, 4500-P D
105	CHEMICAL- WATER	River Water	Potassium as K	APHA 23rd Edition, 3500-K B
106	CHEMICAL- WATER	River Water	Sodium as Na	APHA 23rd Edition, 3500-Na B
107	CHEMICAL- WATER	River Water	Sulphate as SO ₄ ²⁻	APHA 23rd Edition, 4500-SO ₄ ²⁻ -E
108	CHEMICAL- WATER	River Water	Temperature	APHA 23rd Edition, 2550 B
109	CHEMICAL- WATER	River Water	Total Alkalinity as CaCO ₃	APHA 23rd Edition, 2320 B
110	CHEMICAL- WATER	River Water	Total Dissolved Solids dried at 180°C	APHA 23rd Edition, 2540 C
111	CHEMICAL- WATER	River Water	Total Fixed Solids ignited at 550°C	APHA 23rd Edition, 2540 E
112	CHEMICAL- WATER	River Water	Total Hardness as CaCO ₃	APHA 23rd Edition, 2340 C
113	CHEMICAL- WATER	River Water	Total suspended Solids Dried at 103-105°C	APHA 23rd Edition, 2540 D
114	CHEMICAL- WATER	River Water	Turbidity	APHA 23rd Edition, 2130 B
115	CHEMICAL- WATER	Sea Water	Ammonia-N	APHA 23rd Edition, 4500-NH ₃ F



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117	CHEMICAL- WATER	Sea Water	Bio Chemical Oxygen Demand (5 days @ 20°C)	APHA 23rd Edition, 5210 B
118	CHEMICAL- WATER	Sea Water	Chemical Oxygen Demand	IS 3025 (Part 58)
119	CHEMICAL- WATER	Sea Water	Conductivity@25°C	APHA 23rd Edition, 2510 B
120	CHEMICAL- WATER	Sea Water	Dissolved Oxygen	APHA 23rd Edition, 4500-O C
121	CHEMICAL- WATER	Sea Water	Nitrate - N	APHA 23rd Edition, 4500-NO3-B
122	CHEMICAL- WATER	Sea Water	Nitrate - N	APHA 23rd Edition, 4500-NO3-E
123	CHEMICAL- WATER	Sea Water	Nitrite - N	APHA 23rd Edition, 4500-NO2-B
124	CHEMICAL- WATER	Sea Water	Oil & grease	IS 3025 (Part 39)
125	CHEMICAL- WATER	Sea Water	pH Value@25°C	APHA 23rd Edition , 4500-H+ B
126	CHEMICAL- WATER	Sea Water	Phenolphthalein Alkalinity	APHA 23rd Edition, 2320 B
127	CHEMICAL- WATER	Sea Water	Temperature	APHA 23rd Edition, 2550 B
128	CHEMICAL- WATER	Sea Water	Total Alkalinity as CaCO ₃	APHA 23rd Edition, 2320 B
129	CHEMICAL- WATER	Sea Water	Total Dissolved Solids dried at 180°C	APHA 23rd Edition, 2540 C
130	CHEMICAL- WATER	Sea Water	Total Suspended Solids Dried at 103-105°C	APHA 23rd Edition, 2540 D
131	CHEMICAL- WATER	Sea Water	Turbidity	APHA 23rd Edition, 2130 B