



National Accreditation Board for
Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

**CSIR-NATIONAL ENVIRONMENTAL ENGINEERING
RESEARCH INSTITUTE**

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

NEHRU MARG, NAGPUR, MAHARASHTRA, INDIA

in the field of

TESTING

Certificate Number: TC-15861

Issue Date: 09/04/2025

Valid Until: 08/04/2029

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: CSIR-National Environmental Engineering Research Institute

Signed for and on behalf of NABL




Anita Rani
Director


N. Venkateswaran
Chief Executive Officer



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SCOPE OF ACCREDITATION

Laboratory Name :

CSIR-NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NEHRU MARG, NAGPUR,
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Accreditation Standard

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Validity

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Last Amended on

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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 Testing				
1	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Particulate matter PM 2.5	IS 5182 (Part 24)
2	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Oxides of Nitrogen as NO ₂	IS 5182 (Part 6)
3	CHEMICAL-POLLUTION & ENVIRONMENT	Metal analysis in TCLP Extract Waste	Arsenic	USEPA Method 1311
4	CHEMICAL-POLLUTION & ENVIRONMENT	Metal Analysis in TCLP Extract Waste	Cadmium	USEPA Method 1311
5	CHEMICAL-POLLUTION & ENVIRONMENT	Metal Analysis in TCLP Extract Waste	Lead	USEPA Method 1311
6	CHEMICAL-POLLUTION & ENVIRONMENT	Metal Analysis in TCLP Extract Waste	Nickel	USEPA Method 1311
7	CHEMICAL-POLLUTION & ENVIRONMENT	Soil/Sediments	Available Boron	Working manual for soil Analysis, Ministry of Agriculture, GOI
8	CHEMICAL-POLLUTION & ENVIRONMENT	Soil/Sediments	Available Nitrogen	IS 14684
9	CHEMICAL-POLLUTION & ENVIRONMENT	Soil/Sediments	Available Phosphorus	Working manual for Soil Analysis, Ministry of Agriculture, GOI
10	CHEMICAL-POLLUTION & ENVIRONMENT	Soil/Sediments	Available Potassium	Working manual for Soil Analysis, Ministry of Agriculture, GOI
11	CHEMICAL-POLLUTION & ENVIRONMENT	Soil/Sediments	Available Sulphur	Working Manual for Soil Analysis, Ministry of Agriculture, GoI



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12	CHEMICAL-POLLUTION & ENVIRONMENT	Soil/Sediments	Calcium	NEERI/Lab SOP/01/Soil Soluble Cation, Issue No: 01; Date of Issue: 31.11.2016
13	CHEMICAL-POLLUTION & ENVIRONMENT	Soil/Sediments	Cation Exchange Capacity	IS 2720 (Part 24)
14	CHEMICAL-POLLUTION & ENVIRONMENT	Soil/Sediments	Copper	Working Manual for Soil Analysis, Ministry of Agriculture, GoI
15	CHEMICAL-POLLUTION & ENVIRONMENT	Soil/Sediments	Electrical Conductivity	IS 14767
16	CHEMICAL-POLLUTION & ENVIRONMENT	Soil/Sediments	Iron	Working Manual for Soil Analysis, Ministry of Agriculture, GoI
17	CHEMICAL-POLLUTION & ENVIRONMENT	Soil/Sediments	Magnesium	NEERI/Lab SOP/Soil/02/Soluble Cations, Issue No: 01; Date of Issue: 31.11.2016
18	CHEMICAL-POLLUTION & ENVIRONMENT	Soil/Sediments	Manganese	Working Manual for Soil Analysis, Ministry of Agriculture, GoI
19	CHEMICAL-POLLUTION & ENVIRONMENT	Soil/Sediments	Moisture	IS 2720 (Part 2)
20	CHEMICAL-POLLUTION & ENVIRONMENT	Soil/Sediments	Organic Carbon (%)	IS 2720 (Part 22)
21	CHEMICAL-POLLUTION & ENVIRONMENT	Soil/Sediments	pH	IS 2720 (Part 26)
22	CHEMICAL-POLLUTION & ENVIRONMENT	Soil/Sediments	Potassium	NEERI/Lab SOP/03/Soil Soluble Cation, Issue No: 01; Date of Issue: 31.11.2016



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23	CHEMICAL-POLLUTION & ENVIRONMENT	Soil/Sediments	Sodium	NEERI/Lab SOP/04/Soil Soluble Cation, Issue No: 01; Date of Issue: 31.11.2016
24	CHEMICAL-POLLUTION & ENVIRONMENT	Soil/Sediments	Total Soluble Solid	IS 2720 (Part 21)
25	CHEMICAL-POLLUTION & ENVIRONMENT	Soil/Sediments	Total Soluble Sulphate	IS 2720 (Part 27)
26	CHEMICAL-POLLUTION & ENVIRONMENT	Soil/Sediments	Water Holding Capacity (%)	Working Manual for soil analysis, Ministry of agriculture, GOI
27	CHEMICAL-POLLUTION & ENVIRONMENT	Soil/Sediments	Zinc	Working Manual for Soil Analysis, Ministry of Agriculture, GoI
28	CHEMICAL-POLLUTION & ENVIRONMENT	Wastes	Loss on Drying	APHA 24th Edition 2540 B
29	CHEMICAL-POLLUTION & ENVIRONMENT	Wastes	Loss on Ignition	APHA 24th Edition 2540 E
30	CHEMICAL-POLLUTION & ENVIRONMENT	Wastes	pH	IS 10158
31	CHEMICAL-POLLUTION & ENVIRONMENT	Wastewater	Ammoniacal Nitrogen	APHA 24th Edition 4500-NH3-B-C
32	CHEMICAL-POLLUTION & ENVIRONMENT	Wastewater	Biochemical Oxygen Demand (at 20°C for 5 days)	APHA 24th Edition 5210-B
33	CHEMICAL-POLLUTION & ENVIRONMENT	Wastewater	Chemical Oxygen Demand	APHA 24th Edition 5220-B



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34	CHEMICAL-POLLUTION & ENVIRONMENT	Wastewater	Dissolved Oxygen	APHA 24th Edition 4500-O-C
35	CHEMICAL-POLLUTION & ENVIRONMENT	Wastewater	Nitrate Nitrogen	APHA 24th Edition 4500-NO3-B
36	CHEMICAL-POLLUTION & ENVIRONMENT	Wastewater	Oil & Grease	APHA 24th Edition 5520-B
37	CHEMICAL-POLLUTION & ENVIRONMENT	Wastewater	pH at 25°C	APHA 24th Edition 4500-H+B
38	CHEMICAL-POLLUTION & ENVIRONMENT	Wastewater	Phenol as C6H5OH	APHA 24th Edition 5530-C&D
39	CHEMICAL-POLLUTION & ENVIRONMENT	Wastewater	Potassium	APHA 24th Edition 3500-K-B
40	CHEMICAL-POLLUTION & ENVIRONMENT	Wastewater	Residual Chlorine	APHA 24th Edition 4500-Cl-B
41	CHEMICAL-POLLUTION & ENVIRONMENT	Wastewater	Sodium	APHA 24th Edition 3500-Na-B
42	CHEMICAL-POLLUTION & ENVIRONMENT	Wastewater	Sulphate as SO ₄	APHA 24th Edition 4500-SO ₄ -E
43	CHEMICAL-POLLUTION & ENVIRONMENT	Wastewater	Sulphide	APHA 24th Edition 4500-S-F
44	CHEMICAL-POLLUTION & ENVIRONMENT	Wastewater	Temperature	APHA 24th Edition 2550 B
45	CHEMICAL-POLLUTION & ENVIRONMENT	Wastewater	Total Dissolved Solids	APHA 24th Edition 2540-C



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46	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Total Kjeldhal Nitrogen	APHA 24th Edition 4500-NH3-B-C
47	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Total Phosphate as PO4	APHA 24th Edition 4500-PO4-C
48	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Total Suspended Solids	APHA 24th Edition 2540-D
49	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Turbidity	APHA 24th Edition 2130
50	CHEMICAL- RESIDUES IN WATER	Drinking water	Aluminium	ISO 11885
51	CHEMICAL- RESIDUES IN WATER	Drinking water	Arsenic	ISO 11885
52	CHEMICAL- RESIDUES IN WATER	Drinking water	Boron	ISO 11885
53	CHEMICAL- RESIDUES IN WATER	Drinking water	Cadmium	ISO 11885
54	CHEMICAL- RESIDUES IN WATER	Drinking water	Chromium	ISO 11885
55	CHEMICAL- RESIDUES IN WATER	Drinking water	Cobalt	ISO 11885
56	CHEMICAL- RESIDUES IN WATER	Drinking water	Copper	ISO 11885
57	CHEMICAL- RESIDUES IN WATER	Drinking water	Iron	ISO 11885
58	CHEMICAL- RESIDUES IN WATER	Drinking water	Lead	ISO 11885
59	CHEMICAL- RESIDUES IN WATER	Drinking water	Manganese	ISO 11885
60	CHEMICAL- RESIDUES IN WATER	Drinking water	Molybdenum	ISO 11885



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61	CHEMICAL- RESIDUES IN WATER	Drinking water	Nickel	ISO 11885
62	CHEMICAL- RESIDUES IN WATER	Drinking water	Vanadium	ISO 11885
63	CHEMICAL- RESIDUES IN WATER	Drinking water	Zinc	ISO 11885
64	CHEMICAL- WATER	Drinking water	Calcium as Ca	APHA 24th Edition 3500-Ca B
65	CHEMICAL- WATER	Drinking water	Calcium Hardness as CaCO ₃	APHA 24th Edition 3500-Ca
66	CHEMICAL- WATER	Drinking water	Chloride as Cl	APHA 24th Edition 4500-Cl B
67	CHEMICAL- WATER	Drinking water	Conductivity at 25°C	APHA 24th Edition 2510 B
68	CHEMICAL- WATER	Drinking water	Dissolved oxygen	APHA-24th Edition 4500-O C
69	CHEMICAL- WATER	Drinking water	Flouride as F	APHA-24th Edition 4500-F-C
70	CHEMICAL- WATER	Drinking water	Magnesium as Mg	APHA 24th Edition 3500-Mg B
71	CHEMICAL- WATER	Drinking water	Nitrates as N	APHA 24th Edition 4500-NO ₃ B
72	CHEMICAL- WATER	Drinking water	pH@25 °C	APHA 24th Edition 4500 H+B
73	CHEMICAL- WATER	Drinking water	Potassium as K	APHA 24th Edition 3500-K B
74	CHEMICAL- WATER	Drinking water	Sodium as Na	APHA 24th Edition 3500-Na B
75	CHEMICAL- WATER	Drinking water	Sulphate as SO ₄	APHA 24th Edition 4500-SO ₄ E
76	CHEMICAL- WATER	Drinking water	Temperature	APHA 24th Edition 2550 B
77	CHEMICAL- WATER	Drinking water	Total Alkalinity as CaCO ₃	APHA 24th Edition 2320 B
78	CHEMICAL- WATER	Drinking water	Total Dissolved Solids	APHA 24th Edition 2540 C



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79	CHEMICAL- WATER	Drinking water	Total Hardness as CaCO ₃	APHA 24th Edition 2340 C
80	CHEMICAL- WATER	Drinking water	Total Phosphate as PO ₄	APHA 24th Edition 4500-P-D
81	CHEMICAL- WATER	Drinking water	Turbidity	APHA 24th Edition 2130 B



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Site Testing				
1	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Noise	Noise (LAeq)	ISO 1996-1 & ISO 1996-2
2	CHEMICAL-ATMOSPHERIC POLLUTION	Source Noise	Noise (LAeq)	ISO 9613-2