



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

CSIR-NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE, NEHRU MARG,
NAGPUR, NAGPUR, MAHARASHTRA, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-7452

Page No

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Validity

23/09/2020 to 22/09/2022

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 Facility				
1	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Noise	Ambient Noise (Leq)	ISO 1996-1 Second Edition(2003) & ISO 1996-2 Second Edition(2007))
2	CHEMICAL-ATMOSPHERIC POLLUTION	Oxides of Nitrogen as NO ₂ , µg/m ³	NO ₂ in ambient air	IS 5182 (part 6)
3	CHEMICAL-ATMOSPHERIC POLLUTION	Particulate matter, PM 2.5 µg/m ³	PM 2.5 in ambient air	IS-5182 Part 24
4	CHEMICAL-ATMOSPHERIC POLLUTION	Source Noise	Source Noise	ISO 9613-2 First Edition
5	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Available Nitrogen	IS 14684
6	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Available Phosphorus	IS 11263
7	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Available Potassium	IS 9497
8	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Cation Exchange Capacity (meq/100g)	IS 2720
9	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Electrical Conductivity (dS/cm)	IS1467
10	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Organic Carbon (%)	IS 2720 (Part-22)
11	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	pH	IS1467



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12	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Soluble Cations (meq/L)	EPA:9056A & SW-846
13	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Water Holding Capacity (%)	Lab SOP/Soil/NABL/2
14	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Ammonical Nitrogen	APHA 23rd Edition : 4500-NH3-B-C
15	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Biochemical Oxygen Demand (at 20°C for 5 days)	APHA 23rd Edition :5210-B
16	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Chemical Oxygen Demand	APHA 23rd Edition : 5220-B: 2017 - 5220-B
17	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Dissolved Oxygen	APHA 23rd Edition : 4500-O-C
18	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Nitrate Nitrogen	APHA 23rd Edition :4500-NO3-B
19	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Oil & Grease	APHA 23rd Edition :5520-B
20	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	pH at 25°C	APHA 23rd Edition : - 4500-H+B
21	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Phenol as C6H5OH	APHA 23rd Edition :5530-C&D
22	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Potassium	APHA 23rd Edition:3500-K-B
23	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Residual Chlorine	APHA 23rd Edition : - 4500-Cl-D
24	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Sodium	APHA 23rd Edition:3500-Na-B



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25	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Sulphate as SO ₄	APHA 23rd Edition:4500-SO ₄ -E
26	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Sulphide	APHA 23rd Edition :4500-S-F
27	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Temperature	APHA 23rd Edition :2550 B
28	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Total Dissolved Solids	APHA 23rd Edition:2540-C
29	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Total Kjeldhal Nitrogen	APHA 23rd Edition:4500-NH ₃ -B-C
30	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Total Phosphate as PO ₄	APHA 23rd Edition:4500-PO ₄ -C
31	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Total Suspended Solids	APHA 23rd Edition:2540-D
32	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Turbidity	APHA 23rd Edition:2130
33	CHEMICAL- WATER	Potable Water / Bore well Water / Domestic Water	Aluminium	ISO 11885:2007 by ICP-OES
34	CHEMICAL- WATER	Potable Water / Bore well Water / Domestic Water	Arsenic	ISO 11885:2007 by ICP-OES
35	CHEMICAL- WATER	Potable Water / Bore well Water / Domestic Water	Boron	ISO 11885:2007 by ICP-OES
36	CHEMICAL- WATER	Potable Water / Bore well Water / Domestic Water	Cadmium	ISO 11885:2007 by ICP-OES



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37	CHEMICAL- WATER	Potable Water / Bore well Water / Domestic Water	Calcium as Ca	APHA 23rd Edition :3500 Ca B
38	CHEMICAL- WATER	Potable Water / Bore well Water / Domestic Water	Calcium Hardness as CaCO ₃	APHA 23rd Edition:3500 Ca
39	CHEMICAL- WATER	Potable Water / Bore well Water / Domestic Water	Chloride as Cl	APHA 23rd Edition : 4500 Cl B
40	CHEMICAL- WATER	Potable Water / Bore well Water / Domestic Water	Chromium	ISO 11885:2007 by ICP-OES
41	CHEMICAL- WATER	Potable Water / Bore well Water / Domestic Water	Cobalt	ISO 11885:2007 by ICP-OES
42	CHEMICAL- WATER	Potable Water / Bore well Water / Domestic Water	Conductivity at 25°C	APHA 23rd Edition:2510 B
43	CHEMICAL- WATER	Potable Water / Bore well Water / Domestic Water	Copper	ISO 11885:2007 by ICP-OES
44	CHEMICAL- WATER	Potable Water / Bore well Water / Domestic Water	Dissolved oxygen	APHA-23rd Edition:4500 O C
45	CHEMICAL- WATER	Potable Water / Bore well Water / Domestic Water	Flouride as F	APHA-23rd Edition:4500-F-C(by Ion Selective Electrode Method))
46	CHEMICAL- WATER	Potable Water / Bore well Water / Domestic Water	Iron	ISO 11885:2007 by ICP-OES



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47	CHEMICAL- WATER	Potable Water / Bore well Water / Domestic Water	Lead	ISO 11885:2007 by ICP-OES
48	CHEMICAL- WATER	Potable Water / Bore well Water / Domestic Water	Magnesium as Mg	APHA 23rd Edition :3500 Mg B
49	CHEMICAL- WATER	Potable Water / Bore well Water / Domestic Water	Manganese	ISO 11885:2007 by ICP-OES
50	CHEMICAL- WATER	Potable Water / Bore well Water / Domestic Water	Molybdenum	ISO 11885:2007 by ICP-OES
51	CHEMICAL- WATER	Potable Water / Bore well Water / Domestic Water	Nickel	ISO 11885:2007 by ICP-OES
52	CHEMICAL- WATER	Potable Water / Bore well Water / Domestic Water	Nitrates as N	APHA 23rd Edition:4500 NO3 B
53	CHEMICAL- WATER	Potable Water / Bore well Water / Domestic Water	pH@25 °C	APHA 23rd Edition:4500 H+B
54	CHEMICAL- WATER	Potable Water / Bore well Water / Domestic Water	Potassium as K	APHA 23rd Edition :3500 K B
55	CHEMICAL- WATER	Potable Water / Bore well Water / Domestic Water	Sodium as Na	APHA 23rd Edition:3500 Na B
56	CHEMICAL- WATER	Potable Water / Bore well Water / Domestic Water	Sulphate as SO4	APHA 23rd Edition:4500 SO4 E



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57	CHEMICAL- WATER	Potable Water / Bore well Water / Domestic Water	Temperature	APHA 23rd Edition:2550 B
58	CHEMICAL- WATER	Potable Water / Bore well Water / Domestic Water	Total Alkalinity as CaCO ₃	APHA 23rd Edition:2320 B
59	CHEMICAL- WATER	Potable Water / Bore well Water / Domestic Water	Total Dissolved Solids	APHA 23rd Edition:2540 C
60	CHEMICAL- WATER	Potable Water / Bore well Water / Domestic Water	Total Hardness as CaCO ₃	APHA 23rd Edition : 2340 C
61	CHEMICAL- WATER	Potable Water / Bore well Water / Domestic Water	Total Phosphate as PO ₄	APHA 23rd Edition:4500-P-D
62	CHEMICAL- WATER	Potable Water / Bore well Water / Domestic Water	Turbidity	APHA 23rd Edition:2130 B
63	CHEMICAL- WATER	Potable Water / Bore well Water / Domestic Water	Vanadium	ISO 11885:2007 by ICP-OES
64	CHEMICAL- WATER	Potable Water / Bore well Water / Domestic Water	Zinc	ISO 11885:2007 by ICP-OES