National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

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

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7452 **Page No** 1 of 4

Validity 20/01/2023 to 19/01/2025 **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	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate matter PM 2.5	IS 5182 (Part 24)
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Oxides of Nitrogen as NO2	IS 5182 (Part 6)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Noise	Noise (LAeq)	ISO 1996-1 & ISO 1996-2
4	CHEMICAL- ATMOSPHERIC POLLUTION	Source Noise	Noise (LAeq)	ISO 9613-2
5	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Available Nitrogen	Working manual for Soil Analysis, Ministry of Agriculture, GOI
6	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Available Phosphorus	Working manual for Soil Analysis, Ministry of Agriculture, GOI
7	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Available Potassium	IS 9497
8	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Cation Exchange Capacity	IS 2720 (Part 24)
9	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Electrical Conductivity	IS 1467
10	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Organic Carbon (%)	IS 2720 (Part 22)
11	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	pH	IS 1467
12	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Soluble Cations	EPA 9056A & SW-846
13	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Water Holding Capacity (%)	NEERI/Lab SOP/Soil/WHC Issue Date:30/11/2016, Last Review Date: 30/11/2021
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
17	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Dissolved Oxygen	APHA 23rd Edition 4500-O-C

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Certificate Number TC-7452 **Page No** 2 of 4

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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
25	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Sulphate as SO4	APHA 23rd Edition 4500-SO4-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-NH3-B-C
30	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Total Phosphate as PO4	APHA 23rd Edition 4500-PO4-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- RESIDUES IN WATER	Potable Water / Bore well Water / Domestic Water	Aluminium	ISO 11885
34	CHEMICAL- RESIDUES IN WATER	Potable Water / Bore well Water / Domestic Water	Arsenic	ISO 11885
35	CHEMICAL- RESIDUES IN WATER	Potable Water / Bore well Water / Domestic Water	Boron	ISO 11885
36	CHEMICAL- RESIDUES IN WATER	Potable Water / Bore well Water / Domestic Water	Cadmium	ISO 11885

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Certificate Number TC-7452 **Page No** 3 of 4

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37	CHEMICAL- RESIDUES IN WATER	Potable Water / Bore well Water / Domestic Water	Chromium	ISO 11885
38	CHEMICAL- RESIDUES IN WATER	Potable Water / Bore well Water / Domestic Water	Cobalt	ISO 11885
39	CHEMICAL- RESIDUES IN WATER	Potable Water / Bore well Water / Domestic Water	Copper	ISO 11885
40	CHEMICAL- RESIDUES IN WATER	Potable Water / Bore well Water / Domestic Water	Iron	ISO 11885
41	CHEMICAL- RESIDUES IN WATER	Potable Water / Bore well Water / Domestic Water	Lead	ISO 11885
42	CHEMICAL- RESIDUES IN WATER	Potable Water / Bore well Water / Domestic Water	Manganese	ISO 11885
43	CHEMICAL- RESIDUES IN WATER	Potable Water / Bore well Water / Domestic Water	Molybdenum	ISO 11885
44	CHEMICAL- RESIDUES IN WATER	Potable Water / Bore well Water / Domestic Water	Nickel	ISO 11885
45	CHEMICAL- RESIDUES IN WATER	Potable Water / Bore well Water / Domestic Water	Vanadium	ISO 11885
46	CHEMICAL- RESIDUES IN WATER	Potable Water / Bore well Water / Domestic Water	Zinc	ISO 11885
47	CHEMICAL- WATER	Potable Water / Bore well Water / Domestic Water	Calcium as Ca	APHA 23rd Edition 3500-Ca B
48	CHEMICAL- WATER	Potable Water / Bore well Water / Domestic Water	Calcium Hardness as CaCO3	APHA 23rd Edition 3500-Ca
49	CHEMICAL- WATER	Potable Water / Bore well Water / Domestic Water	Chloride as Cl	APHA 23rd Edition 4500-Cl B
50	CHEMICAL- WATER	Potable Water / Bore well Water / Domestic Water	Conductivity at 25°C	APHA 23rd Edition 2510 B
51	CHEMICAL- WATER	Potable Water / Bore well Water / Domestic Water	Dissolved oxygen	APHA-23rd Edition 4500-O C
52	CHEMICAL- WATER	Potable Water / Bore well Water / Domestic Water	Flouride as F	APHA-23rd Edition 4500-F-C
53	CHEMICAL- WATER	Potable Water / Bore well Water / Domestic Water	Magnesium as Mg	APHA 23rd Edition 3500-Mg B
54	CHEMICAL- WATER	Potable Water / Bore well Water / Domestic Water	Nitrates as N	APHA 23rd Edition 4500-NO3 B
55	CHEMICAL- WATER	Potable Water / Bore well Water / Domestic Water	pH@25 °C	APHA 23rd Edition 4500 H+B
56	CHEMICAL- WATER	Potable Water / Bore well Water / Domestic Water	Potassium as K	APHA 23rd Edition 3500-K B
57	CHEMICAL- WATER	Potable Water / Bore well Water / Domestic Water	Sodium as Na	APHA 23rd Edition 3500-Na B
58	CHEMICAL- WATER	Potable Water / Bore well Water / Domestic Water	Sulphate as SO4	APHA 23rd Edition 4500-SO4 E
59	CHEMICAL- WATER	Potable Water / Bore well Water / Domestic Water	Temperature	APHA 23rd Edition 2550 B
60	CHEMICAL- WATER	Potable Water / Bore well Water / Domestic Water	Total Alkalinity as CaCO3	APHA 23rd Edition 2320 B

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61	CHEMICAL- WATER	Potable Water / Bore well Water / Domestic Water	Total Dissolved Solids	APHA 23rd Edition 2540 C
62	CHEMICAL- WATER	Potable Water / Bore well Water / Domestic Water	Total Hardness as CaCO3	APHA 23rd Edition 2340 C
63	CHEMICAL- WATER	Potable Water / Bore well Water / Domestic Water	Total Phosphate as PO4	APHA 23rd Edition 4500-P-D
64	CHEMICAL- WATER	Potable Water / Bore well Water / Domestic Water	Turbidity	APHA 23rd Edition 2130 B