National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : REGIONAL LABORATORY, CENTRAL POLLUTION CONTROL BOARD, REGIONAL DIRECTORATE (SOUTH), NISARGA BHAWAN, I & II FLOOR, 7TH D MAIN, THIMMAIAH ROAD, SHIVA NAGAR, BENGALURU, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7739 **Page No** 1 of 5

Validity 04/03/2021 to 03/03/2023 **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	Ammonia	IS 5182 (Part 25):
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Arsenic	EPA – IO 3.4:
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Cadmium	EPA – IO 3.4
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Lead	EPA – IO 3.4:
5	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Nickel	EPA – IO 3.4
6	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Nitrogen Dioxide	IS: 5182 (Part 6)
7	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter (size less than 10 µm) or PM10	IS: 5182 (Part 23)
8	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Sulphur Dioxide	IS: 5182 (Part 2)
9	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Particulate Matter or PM	IS 11255 (Part-1)
10	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Sulphur Dioxide	Inter society committee Method 711, Methods of Air Sampling and Analysis, 3rd Edition, Lewis Publishers,
11	CHEMICAL- POLLUTION & ENVIRONMENT	sludge slurry (Liquid)	Flash Point	ASTM D7094 -
12	CHEMICAL- POLLUTION & ENVIRONMENT	Solid/ sludge	Gross Calorific Value	IS 1350 (Part 2)
13	CHEMICAL- POLLUTION & ENVIRONMENT	Solid/ sludge	pH	USEPA 9045 D:
14	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Ammoniacal Nitrogen as N	APHA (23rd Ed.,): 2017 4500-NH3 B, 4-114 to 4-115
15	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Biochemical Oxygen Demand (BOD) for 3days at 27 °C	IS: 3025 (Part 44):1993,
16	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Boron	APHA (23rd Ed.,): 4500-B -B , 4-27 to 4-28
17	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Cadmium	APHA (23rd Ed.,): 2017 3120-B, 3-42 to 3-48

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7739 **Page No** 2 of 5

Validity 04/03/2021 to 03/03/2023 **Last Amended on** -

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18	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Calcium as Ca	APHA (23rd Ed.,): 3500-Ca -B, 3-69 to 3-70
19	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Chemical Oxygen Demand (COD)	IS 3025 (part 58):2006 (RA
20	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Chloride as Cl	APHA (23rd Ed.,): 4500-Cl-B, 4-75 to 4-76
21	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Chromium (Total)	APHA (23rd Ed.,): 3120-B, 3-42 to 3-48
22	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Cobalt	APHA (23rd Ed.,): 2017 3120-B, 3-42 to 3-48
23	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Conductivity	APHA (23rd Ed.,): 2017 2510-B, 2-56 to 2-59
24	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Copper	APHA (23rd Ed.,): 2017 3120-B, 3-42 to 3-48
25	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Dissolved Oxygen	APHA (23rd Ed.,): 4500-O, 4-146 to 4-148
26	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Fluoride as F	APHA (23rd Ed.,): 4500-F-D, 4-90 to 4-91
27	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Hexavalent Chromium as Cr+6	APHA (23rd Ed.,): 3500- Cr- B, 3-71 to 3-73
28	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Iron	APHA (23rd Ed.,): 3120-B, 3-42 to 3-48
29	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Lead	APHA (23rd Ed.,):3120-B, 3-42 to 3-48
30	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Magnesium as Mg	APHA, 3500-Mg B, 3-86, 23rd Ed., 2017
31	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Manganese	APHA (23rd Ed.,): 3120-B, 3-42 to 3-48
32	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Nickel	APHA (23rd Ed.,):3120-B, 3-42 to 3-48
33	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Nitrate as N	APHA (23rd Ed.,): 2012 4500-NO3-E, 4-131 to 4-133
34	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Nitrite as N	APHA (23rd Ed.,): 2012 4500-NO2-B, 4-124 to 4-125
35	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Oil and Grease	APHA (23rd Ed.,): 5520-B, 5-42 to 5-44
36	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Percent Sodium	CPCB/RLB/TM/5.4/W-34

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7739 **Page No** 3 of 5

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37	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	pH	APHA (23rd Ed.,): 4500-H+ B, 4-95 to 4-99
38	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Phosphate as P	APHA (23rd Ed.,): 4500-P D, 4-163 to 4-164
39	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Potassium	APHA (23rd Ed.,): 2017 3500-K -B, 3-89 to 3-90
40	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Sodium	APHA (23rd Ed.,): 3500-Na- B, 3-99 to 3-100
41	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Sodium Absorption Ratio (SAR)	IS 11624
42	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Sulphate as SO4	APHA (23rd Ed.,): 4500-SO4 - E, 4-199 to 4-200
43	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Total Alkalinity as CaCO3	APHA (23rd Ed.,): 2017 2320-B, 2-37 to 2-39
44	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Total Dissolved Solids	APHA (23rd Ed.,): 2017 2540 C, 2-69 to 2-70
45	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Total Hardness as CaCO3	APHA (23rd Ed.,): 2017 2340-C, 2-48 to 2-50
46	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Total Kjeldahl Nitrogen (TKN) as N	APHA (23rd Ed.,): 4500-Norg-B, 4-139 to 4-140
47	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Total solids	APHA (23rd Ed.,): 2540-B, 2-68 to 2-69
48	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Total Suspended Solids	APHA (23rd Ed.,): 2017 2540-D, 2-70 to 2-71
49	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater	Zinc	APHA (23rd Ed.,): 2017 3120-B, 3-42 to 3-48
50	CHEMICAL- RESIDUES IN WATER	Water	Cadmium	APHA (23rd Ed.,): 2017 3120-B, 3-42 to 3-48
51	CHEMICAL- RESIDUES IN WATER	Water	Chromium (Total)	APHA (23rd Ed.,): 2017 3120-B, 3-42 to 3-48
52	CHEMICAL- RESIDUES IN WATER	Water	Cobalt	APHA (23rd Ed.,): 2017 3120-B, 3-42 to 3-48
53	CHEMICAL- RESIDUES IN WATER	Water	Copper	APHA (23rd Ed.,): 2017 3120-B, 3-42 to 3-48
54	CHEMICAL- RESIDUES IN WATER	Water	Iron	APHA (23rd Ed.,): 2017 3120-B, 3-42 to 3-48
55	CHEMICAL- RESIDUES IN WATER	Water	Lead	APHA (23rd Ed.,): 2017 3120-B, 3-42 to 3-48

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7739 **Page No** 4 of 5

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56	CHEMICAL- RESIDUES IN WATER	Water	Manganese	APHA (23rd Ed.,): 2017 3120-B, 3-42 to 3-48
57	CHEMICAL- RESIDUES IN WATER	Water	Nickel	APHA (23rd Ed.,): 2017 3120-B, 3-42 to 3-48
58	CHEMICAL- RESIDUES IN WATER	Water	Zinc	APHA (23rd Ed.,): 2017 3120-B, 3-42 to 3-48
59	CHEMICAL- WATER	Stream /River/ Well/ Lake/ Ground water	Calcium as Ca	APHA (23rd Ed.,): 2017 3500-Ca B, 3-69 to 3-70
60	CHEMICAL- WATER	Stream /River/ Well/ Lake/ Ground water	Chloride as Cl	APHA (23rd Ed.,): 2017 4500-Cl-B, 4-75 to 4-76
61	CHEMICAL- WATER	Stream /River/ Well/ Lake/ Ground water	Fluoride as F	APHA (23rd Ed.,): 2017 4500-F-D, 4-90 to 4-91
62	CHEMICAL- WATER	Stream /River/ Well/ Lake/ Ground water	Hexavalent Chromium as Cr+6	APHA (23rd Ed.,): 2017 3500-Cr- B, 3-71 to 3-73
63	CHEMICAL- WATER	Stream /River/ Well/ Lake/ Ground water	Magnesium as Mg	APHA (23rd Ed.,): 2017 3500-Mg B, 3-86
64	CHEMICAL- WATER	Stream /River/ Well/ Lake/ Ground water	Percent Sodium	CPCB/RLB/TM/5.4/W-34: 2018
65	CHEMICAL- WATER	Stream /River/ Well/ Lake/ Ground water	Potassium	APHA (23rd Ed.,): 2017 3500-K -B, 3-89 to 3-90
66	CHEMICAL- WATER	Stream /River/ Well/ Lake/ Ground water	Sodium	APHA (23rd Ed.,): 2017 3500-Na- B, 3-99 to 3-100
67	CHEMICAL- WATER	Stream /River/ Well/ Lake/ Ground water	Sodium Absorption Ratio (SAR)	IS 11624
68	CHEMICAL- WATER	Stream /River/ Well/ Lake/ Ground water	Total Alkalinity as CaCO3	APHA (23rd Ed.,): 2017 2320-B, 2-37 to 2-39
69	CHEMICAL- WATER	Stream /River/ Well/ Lake/ Ground water	Total Hardness as CaCO3	APHA (23rd Ed.,): 2017 2340-C, 2-48 to 2-50
70	CHEMICAL- WATER	Stream/ River/ Well/ Lake/ Ground water	Ammoniacal Nitrogen as N	APHA (23rd Ed.,): 2017 4500-NH3 B, 4-114 to 4-115
71	CHEMICAL- WATER	Stream/ River/ Well/ Lake/ Ground water	Biochemical Oxygen Demand (BOD) for 3 days at 27 °C	IS: 3025 (Part 44)
72	CHEMICAL- WATER	Stream/ River/ Well/ Lake/ Ground water	Boron	APHA (23rd Ed.,): 2017 4500-B -B , 4-27 to 4-28
73	CHEMICAL- WATER	Stream/ River/ Well/ Lake/ Ground water	Chemical Oxygen Demand (COD)	IS 3025 (Part 58)
74	CHEMICAL- WATER	Stream/ River/ Well/ Lake/ Ground water	Conductivity	APHA (23rd Ed.,): 2017 2510-B, 2-56 to 2-59
75	CHEMICAL- WATER	Stream/ River/ Well/ Lake/ Ground water	Dissolved Oxygen	APHA (23rd Ed.,): 2017 4500-O, 4-146 to 4-148

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76	CHEMICAL- WATER	Stream/ River/ Well/ Lake/ Ground water	Nitrate as N	APHA (23rd Ed.,): 2017 4500-NO3-E, 4-131 to 4-133
77	CHEMICAL- WATER	Stream/ River/ Well/ Lake/ Ground water	Nitrite as N	APHA (23rd Ed.,): 2017 4500-NO2-B, 4-124 to 4-125
78	CHEMICAL- WATER	Stream/ River/ Well/ Lake/ Ground water	pH	APHA (23rd Ed.,): 2017 4500-H+ B, 4-95 to 4-99
79	CHEMICAL- WATER	Stream/ River/ Well/ Lake/ Ground water	Phosphate as P	APHA (23rd Ed.,): 2017 4500-P -D, 4-163 to 4-164
80	CHEMICAL- WATER	Stream/ River/ Well/ Lake/ Ground water	Sulphate as SO4	APHA (23rd Ed.,): 2017 4500-SO4 - E, 4-199 to 4-200
81	CHEMICAL- WATER	Stream/ River/ Well/ Lake/ Ground water	Total Dissolved Solids	APHA (23rd Ed.,): 2017 2540 C, 2-69 to 2-70
82	CHEMICAL- WATER	Stream/ River/ Well/ Lake/ Ground water	Total Kjeldahl Nitrogen (TKN) as N	APHA (23rd Ed.,): 2017 4500-Norg-B, 4-139 to 4-140
83	CHEMICAL- WATER	Stream/ River/ Well/ Lake/ Ground water	Total solids	APHA (23rd Ed.,): 2017 2540-B, 2-68 to 2-69
84	CHEMICAL- WATER	Stream/ River/ Well/ Lake/ Ground water	Total Suspended Solids	APHA (23rd Ed.,): 2017 2540-D, 2-70 to 2-71,
85	CHEMICAL- WATER	Stream/ River/ Well/ Lake/ Ground water	Turbidity	APHA (23rd Ed.,): 2017 2130-B, 2-13 to 2-15