National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : STATE WATER TESTING LABORATORY, RWS&S (O), 2ND FLOOR, RWSS CIRCLE, TOPAVAN, KHANDAGIRI, BHUBANESWAR, ODISHA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6094 **Page No** 1 of 6

Validity 14/04/2023 to 13/04/2025 **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	BIOLOGICAL- WATER	Drinking Water	E.coli	APHA 23rd Ed.-9223 B(Enzyme Substrate Method)
2	BIOLOGICAL- WATER	Drinking Water	Faecal Coliform	APHA 23rd Ed.-9223 B(Enzyme Substrate Method)
3	BIOLOGICAL- WATER	Drinking Water	Total Coliform	APHA 23rd Ed.-9223 B(Enzyme Substrate Method)
4	BIOLOGICAL- WATER	Ground Water	Faecal Coliform	APHA 23rd Ed.-9223 B(Enzyme Substrate Method)
5	BIOLOGICAL- WATER	Ground Water	E.coli	APHA 23rd Ed.-9223 B(Enzyme Substrate Method)
6	BIOLOGICAL- WATER	Ground Water	Total Coliform	APHA 23rd Ed.-9223 B(Enzyme Substrate Method)
7	BIOLOGICAL- WATER	Surface Water	E.coli	APHA 23rd Ed.-9223 B(Enzyme Substrate Method)
8	BIOLOGICAL- WATER	Surface Water	Faecal Coliform	APHA 23rd Ed.-9223 B(Enzyme Substrate Method)
9	BIOLOGICAL- WATER	Surface Water	Total Coliform	APHA 23rd Ed.-9223 B(Enzyme Substrate Method)
10	CHEMICAL- RESIDUES IN WATER	Drinking Water	Aluminium	APHA 23rd Ed.2017-3125 B (ICP-MS Method)
11	CHEMICAL- RESIDUES IN WATER	Drinking Water	Arsenic	APHA 23rd Ed. 2017- 3125-B (ICP-MS Method)
12	CHEMICAL- RESIDUES IN WATER	Drinking Water	Barium	APHA 23rd Ed. 2017- 3125 B (ICP-MS Method)
13	CHEMICAL- RESIDUES IN WATER	Drinking Water	Boron	APHA 23rd Ed. 2017- 3125 B (ICP-MS Method)
14	CHEMICAL- RESIDUES IN WATER	Drinking Water	Cadmium	APHA 23rd Ed.2017-3125 B (ICP-MS Method)
15	CHEMICAL- RESIDUES IN WATER	Drinking Water	Chromium	APHA 23rd Ed. 2017- 3125 B (ICP-MS Method)
16	CHEMICAL- RESIDUES IN WATER	Drinking Water	Copper	APHA 23rd Ed. 2017- 3125 B (ICP-MS Method)
17	CHEMICAL- RESIDUES IN WATER	Drinking Water	Lead	APHA 23rd Ed.2017-3125 B (ICP-MS Method)
18	CHEMICAL- RESIDUES IN WATER	Drinking Water	Manganese	APHA 23rd Ed. 2017-3125 B (ICP-MS Method)

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19	CHEMICAL- RESIDUES IN WATER	Drinking Water	Mercury	APHA 23rd Ed. 2017- 3125 B (ICP-MS Method)
20	CHEMICAL- RESIDUES IN WATER	Drinking Water	Nickel	APHA 23rd Ed. 2017- 3125 B (ICP-MS Method)
21	CHEMICAL- RESIDUES IN WATER	Drinking Water	Potassium	APHA 23rd Ed. 2017- 3125 B (ICP-MS Method)
22	CHEMICAL- RESIDUES IN WATER	Drinking Water	Selenium	APHA 23rd Ed. 2017- 3125 B (ICP-MS Method)
23	CHEMICAL- RESIDUES IN WATER	Drinking Water	Silver	APHA 23rd Ed. 2017- 3125 B (ICP-MS Method)
24	CHEMICAL- RESIDUES IN WATER	Drinking Water	Sodium	APHA 23rd Ed. 2017- 3125 B (ICP-MS Method)
25	CHEMICAL- RESIDUES IN WATER	Drinking Water	Zinc	APHA 23rd Ed. 2017- 3125 B (ICP-MS Method)
26	CHEMICAL- RESIDUES IN WATER	Ground Water	Lead	APHA 23rd Ed.2017-3125 B (ICP-MS Method)
27	CHEMICAL- RESIDUES IN WATER	Ground Water	Aluminium	APHA 23rd Ed.2017-3125 B (ICP-MS Method)
28	CHEMICAL- RESIDUES IN WATER	Ground Water	Arsenic	APHA 23rd Ed. 2017- 3125-B (ICP-MS Method)
29	CHEMICAL- RESIDUES IN WATER	Ground Water	Barium	APHA 23rd Ed. 2017- 3125 B (ICP-MS Method)
30	CHEMICAL- RESIDUES IN WATER	Ground Water	Boron	APHA 23rd Ed. 2017- 3125 B (ICP-MS Method)
31	CHEMICAL- RESIDUES IN WATER	Ground Water	Cadmium	APHA 23rd Ed.2017-3125 B (ICP-MS Method)
32	CHEMICAL- RESIDUES IN WATER	Ground Water	Chromium	APHA 23rd Ed. 2017- 3125 B (ICP-MS Method)
33	CHEMICAL- RESIDUES IN WATER	Ground Water	Copper	APHA 23rd Ed. 2017- 3125 B (ICP-MS Method)
34	CHEMICAL- RESIDUES IN WATER	Ground Water	Manganese	APHA 23rd Ed. 2017-3125 B (ICP-MS Method)
35	CHEMICAL- RESIDUES IN WATER	Ground Water	Mercury	APHA 23rd Ed. 2017- 3125 B (ICP-MS Method)
36	CHEMICAL- RESIDUES IN WATER	Ground Water	Nickel	APHA 23rd Ed. 2017- 3125 B (ICP-MS Method)
37	CHEMICAL- RESIDUES IN WATER	Ground Water	Potassium	APHA 23rd Ed. 2017- 3125 B (ICP-MS Method)

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38	CHEMICAL- RESIDUES IN WATER	Ground Water	Selenium	APHA 23rd Ed. 2017- 3125 B (ICP-MS Method)
39	CHEMICAL- RESIDUES IN WATER	Ground Water	Silver	APHA 23rd Ed. 2017- 3125 B (ICP-MS Method)
40	CHEMICAL- RESIDUES IN WATER	Ground Water	Sodium	APHA 23rd Ed. 2017- 3125 B (ICP-MS Method)
41	CHEMICAL- RESIDUES IN WATER	Ground Water	Zinc	APHA 23rd Ed. 2017- 3125 B (ICP-MS Method)
42	CHEMICAL- RESIDUES IN WATER	Surface Water	Aluminium	APHA 23rd Ed.2017-3125 B (ICP-MS Method)
43	CHEMICAL- RESIDUES IN WATER	Surface Water	Arsenic	APHA 23rd Ed. 2017- 3125-B (ICP-MS Method)
44	CHEMICAL- RESIDUES IN WATER	Surface Water	Barium	APHA 23rd Ed. 2017- 3125 B (ICP-MS Method)
45	CHEMICAL- RESIDUES IN WATER	Surface Water	Boron	APHA 23rd Ed. 2017- 3125 B (ICP-MS Method)
46	CHEMICAL- RESIDUES IN WATER	Surface Water	Cadmium	APHA 23rd Ed.2017-3125 B (ICP-MS Method)
47	CHEMICAL- RESIDUES IN WATER	Surface Water	Chromium	APHA 23rd Ed. 2017- 3125 B (ICP-MS Method)
48	CHEMICAL- RESIDUES IN WATER	Surface Water	Copper	APHA 23rd Ed. 2017- 3125 B (ICP-MS Method)
49	CHEMICAL- RESIDUES IN WATER	Surface Water	Lead	APHA 23rd Ed.2017-3125 B (ICP-MS Method)
50	CHEMICAL- RESIDUES IN WATER	Surface Water	Manganese	APHA 23rd Ed. 2017-3125 B (ICP-MS Method)
51	CHEMICAL- RESIDUES IN WATER	Surface Water	Mercury	APHA 23rd Ed. 2017- 3125 B (ICP-MS Method)
52	CHEMICAL- RESIDUES IN WATER	Surface Water	Nickel	APHA 23rd Ed. 2017- 3125 B (ICP-MS Method)
53	CHEMICAL- RESIDUES IN WATER	Surface Water	Potassium	APHA 23rd Ed. 2017- 3125 B (ICP-MS Method)
54	CHEMICAL- RESIDUES IN WATER	Surface Water	Selenium	APHA 23rd Ed. 2017- 3125 B (ICP-MS Method)
55	CHEMICAL- RESIDUES IN WATER	Surface Water	Silver	APHA 23rd Ed. 2017- 3125 B (ICP-MS Method)
56	CHEMICAL- RESIDUES IN WATER	Surface Water	Sodium	APHA 23rd Ed. 2017- 3125 B (ICP-MS Method)

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57	CHEMICAL- RESIDUES IN WATER	Surface Water	Zinc	APHA 23rd Ed. 2017- 3125 B (ICP-MS Method)
58	CHEMICAL- WATER	Drinking Water	Calcium	APHA 23rd Ed.3500 Ca B (EDTA Titrimetric method)
59	CHEMICAL- WATER	Drinking Water	Chloride	APHA 23rd Ed. 4500 Cl- B (Argentometric Method)
60	CHEMICAL- WATER	Drinking Water	Conductiviry	APHA 23rd Ed.2510 B (Laboratory method)
61	CHEMICAL- WATER	Drinking Water	Fluoride	APHA 23rd Ed. 4500 F- C (Ion selective Electrode method) / APHA 23rd Ed. 4500 F- D (SPANDS method)
62	CHEMICAL- WATER	Drinking Water	Iron	APHA 23rd Ed. 3500 Fe B; (Phenanthroline method)
63	CHEMICAL- WATER	Drinking Water	Magnesium	APHA 23rd Ed. 3500 Mg B (Calculation method)
64	CHEMICAL- WATER	Drinking Water	Nitrate	APHA 23rd Ed. 4500 NO3- D (Nitrate Electrode method) /APHA 23rd Ed. 4500 NO3- B (Ultraviolet Spectrophotometric screening method)
65	CHEMICAL- WATER	Drinking Water	pH	APHA 23rd Ed. 2017- 4500 H+ B (Electrometric Method)
66	CHEMICAL- WATER	Drinking Water	Sulfate	APHA 23rd Ed.4500; SO42- E ; (Turbidimetric Meter)
67	CHEMICAL- WATER	Drinking Water	Temperature	APHA 23rd Ed. 2017- 2550 B (Laboratory & Field method)
68	CHEMICAL- WATER	Drinking Water	Total Alkalinity as CaCO3	APHA 23rd Ed. 2320 B (Titration method)
69	CHEMICAL- WATER	Drinking Water	Total Hardness as CaCO3	APHA 23rd Ed.2340 C (EDTA titration method)
70	CHEMICAL- WATER	Drinking Water	Turbidity	APHA 23rd Ed. 2130 B (Nephelometric method)
71	CHEMICAL- WATER	Ground Water	pH	APHA 23rd Ed. 2017- 4500 H+ B (Electrometric Method)
72	CHEMICAL- WATER	Ground Water	Iron	APHA 23rd Ed. 3500 Fe B; (Phenanthroline method)
73	CHEMICAL- WATER	Ground Water	Calcium	APHA 23rd Ed.3500 Ca B (EDTA Titrimetric method)

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74	CHEMICAL- WATER	Ground Water	Chloride	APHA 23rd Ed. 4500 Cl- B (Argentometric Method)
75	CHEMICAL- WATER	Ground Water	Conductivity	APHA 23rd Ed.2510 B (Laboratory method)
76	CHEMICAL- WATER	Ground Water	Fluoride	APHA 23rd Ed. 4500 F- C (Ion selective Electrode method) / APHA 23rd Ed. 4500 F- D (SPANDS method)
77	CHEMICAL- WATER	Ground Water	Magnesium	APHA 23rd Ed. 3500 Mg B (Calculation method)
78	CHEMICAL- WATER	Ground Water	Nitrate	APHA 23rd Ed. 4500 NO3- D (Nitrate Electrode method) /APHA 23rd Ed. 4500 NO3- B (Ultraviolet Spectrophotometric screening method)
79	CHEMICAL- WATER	Ground Water	Sulfate	APHA 23rd Ed.4500; SO42- E ; (Turbidimetric Meter)
80	CHEMICAL- WATER	Ground Water	Temperature	APHA 23rd Ed. 2017- 2550 B (Laboratory & Field method)
81	CHEMICAL- WATER	Ground Water	Total Alkalinity as CaCO3	APHA 23rd Ed. 2320 B (Titration method)
82	CHEMICAL- WATER	Ground Water	Total Hardness as CaCO3	APHA 23rd Ed.2340 C (EDTA titration method)
83	CHEMICAL- WATER	Ground Water	Turbidity	APHA 23rd Ed. 2130 B (Nephelometric method)
84	CHEMICAL- WATER	Surface Water	Calcium	APHA 23rd Ed. 4500 Cl- B (Argentometric Method)
85	CHEMICAL- WATER	Surface Water	Chloride	APHA 23rd Ed. 4500 Cl- B (Argentometric Method)
86	CHEMICAL- WATER	Surface Water	Conductiviry	APHA 23rd Ed.2510 B (Laboratory method)
87	CHEMICAL- WATER	Surface Water	Fluoride	APHA 23rd Ed. 4500 F- C (Ion selective Electrode method) / APHA 23rd Ed. 4500 F- D (SPANDS method)
88	CHEMICAL- WATER	Surface Water	Iron	APHA 23rd Ed. 3500 Fe B; (Phenanthroline method)
89	CHEMICAL- WATER	Surface Water	Magnesium	APHA 23rd Ed. 3500 Mg B (Calculation method)

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90	CHEMICAL- WATER	Surface Water	Nitrate	APHA 23rd Ed. 4500 NO3- D (Nitrate Electrode method) /APHA 23rd Ed. 4500 NO3- B (Ultraviolet Spectrophotometric screening method)
91	CHEMICAL- WATER	Surface Water	pH	APHA 23rd Ed. 2017- 4500 H+ B (Electrometric Method)
92	CHEMICAL- WATER	Surface Water	Sulfate	APHA 23rd Ed.4500; SO42- E ; (Turbidimetric Meter)
93	CHEMICAL- WATER	Surface Water	Temperature	APHA 23rd Ed. 2017- 2550 B (Laboratory & Field method)
94	CHEMICAL- WATER	Surface Water	Total Alkalinity as CaCO3	APHA 23rd Ed. 2320 B (Titration method)
95	CHEMICAL- WATER	Surface Water	Total Hardness as CaCO3	APHA 23rd Ed.2340 C (EDTA titration method)
96	CHEMICAL- WATER	Surface Water	Turbidity	APHA 23rd Ed. 2130 B (Nephelometric method)