# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** DISTRICT WATER TESTING LABORATORY, RWSS DIVISION, AT- PALLAHAT, KHURDA, KHORDHA, ODISHA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** TC-10338 **Page No** 1 of 3

**Validity** 21/02/2022 to 20/02/2024 **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- WATER | Drinking Water | Calcium as Ca | APHA 23rd Ed. - 3500-Ca B (EDTA Titrimetric Method) |
| 2 | CHEMICAL- WATER | Drinking Water | Chloride as Cl | APHA 23rd Ed.-4500 Cl B (Argentometric Method) |
| 3 | CHEMICAL- WATER | Drinking Water | Colour | APHA 23rd Ed. 2120 B (Visual Comparison Method) |
| 4 | CHEMICAL- WATER | Drinking Water | Electrical Conductivity( EC) | APHA 23rd Ed. 2510 B (Laboratory Method) |
| 5 | CHEMICAL- WATER | Drinking Water | Iron as Fe | APHA 23rd Ed. 3500 Fe B (Phenanthroline Method) |
| 6 | CHEMICAL- WATER | Drinking Water | Magnesium as Mg | APHA 23rd Ed. 3500 Mg B (Calculation Method) |
| 7 | CHEMICAL- WATER | Drinking Water | Odour | APHA 23rd. Ed. 2150 B (Threshold Odour Test) / IS 3025 (Part 5) |
| 8 | CHEMICAL- WATER | Drinking Water | pH | APHA 23rd Ed. 4500+ B (Electrometric Method) |
| 9 | CHEMICAL- WATER | Drinking Water | TDS | APHA 23rd Ed. -2540 C (TDS Method (Dried at 180 degree C) |
| 10 | CHEMICAL- WATER | Drinking Water | Temperature | APHA 23rd Ed. 2550 B (Laboratory Method) |
| 11 | CHEMICAL- WATER | Drinking Water | Total Alkalinity as CaCO3 | APHA 23rd Ed. 2320 B (Titration Method): |
| 12 | CHEMICAL- WATER | Drinking Water | Total Hardness as CaCO3 | APHA 23rd Ed. 2340 C (Titrimetric Method) |
| 13 | CHEMICAL- WATER | Drinking Water | Turbidity (NTU) | APHA 23rd Ed. 2130 B (Nephelometric Method) |
| 14 | CHEMICAL- WATER | Ground Water | Calcium as Ca | APHA 23rd Ed. - 3500-Ca B (EDTA Titrimetric Method) |
| 15 | CHEMICAL- WATER | Ground Water | Chloride as Cl | APHA 23rd Ed.-4500 Cl B (Argentometric Method) |
| 16 | CHEMICAL- WATER | Ground Water | Colour | APHA 23rd Ed. 2120 B (Visual Comparison Method) |
| 17 | CHEMICAL- WATER | Ground Water | Electrical Conductivity( EC) | APHA 23rd Ed. 2510 B (Laboratory Method) |

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|---|---|---|---|---|
| 18 | CHEMICAL- WATER | Ground Water | Iron as Fe | APHA 23rd Ed. 3500 Fe B (Phenanthroline Method) |
| 19 | CHEMICAL- WATER | Ground Water | Magnesium as Mg | APHA 23rd Ed. 3500 Mg B (Calculation Method) |
| 20 | CHEMICAL- WATER | Ground Water | Odour | APHA 23rd. Ed. 2150 B (Threshold Odour Test) / IS 3025 (Part 5) |
| 21 | CHEMICAL- WATER | Ground Water | pH | APHA 23rd Ed. 4500+ B (Electrometric Method) |
| 22 | CHEMICAL- WATER | Ground Water | TDS | APHA 23rd Ed. -2540 C (TDS Method (Dried at 180 degree C) |
| 23 | CHEMICAL- WATER | Ground Water | Temperature | APHA 23rd Ed. 2550 B (Laboratory Method) |
| 24 | CHEMICAL- WATER | Ground Water | Total Alkalinity as CaCO3 | APHA 23rd Ed. 2320 B (Titration Method) |
| 25 | CHEMICAL- WATER | Ground Water | Total Hardness as CaCO3 | APHA 23rd Ed. 2340 C (Titrimetric Method) |
| 26 | CHEMICAL- WATER | Ground Water | Turbidity (NTU) | APHA 23rd Ed. 2130 B (Nephelometric Method) |
| 27 | CHEMICAL- WATER | Surface Water | Calcium as Ca | APHA 23rd Ed. - 3500-Ca B (EDTA Titrimetric Method) |
| 28 | CHEMICAL- WATER | Surface Water | Chloride as Cl | APHA 23rd Ed.-4500 Cl B (Argentometric Method) |
| 29 | CHEMICAL- WATER | Surface Water | Colour | APHA 23rd Ed. 2120 B (Visual Comparison Method) |
| 30 | CHEMICAL- WATER | Surface Water | Electrical Conductivity( EC) | APHA 23rd Ed. 2510 B (Laboratory Method) |
| 31 | CHEMICAL- WATER | Surface Water | Iron as Fe | APHA 23rd Ed. 3500 Fe B (Phenanthroline Method) |
| 32 | CHEMICAL- WATER | Surface Water | Magnesium as Mg | APHA 23rd Ed. 3500 Mg B (Calculation Method) |
| 33 | CHEMICAL- WATER | Surface Water | Odour | APHA 23rd. Ed. 2150 B (Threshold Odour Test) / IS 3025 (Part 5) |
| 34 | CHEMICAL- WATER | Surface Water | pH | APHA 23rd Ed. 4500+ B (Electrometric Method) |

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| 35 | CHEMICAL- WATER | Surface Water | TDS | APHA 23rd Ed. -2540 C (TDS Method (Dried at 180 degree C) |
| 36 | CHEMICAL- WATER | Surface Water | Temperature | APHA 23rd Ed. 2550 B (Laboratory Method) |
| 37 | CHEMICAL- WATER | Surface Water | Total Alkalinity as CaCO3 | APHA 23rd Ed. 2320 B (Titration Method) |
| 38 | CHEMICAL- WATER | Surface Water | Total Hardness as CaCO3 | APHA 23rd Ed. 2340 C (Titrimetric Method) |
| 39 | CHEMICAL- WATER | Surface Water | Turbidity (NTU) | APHA 23rd Ed. 2130 B (Nephelometric Method) |