# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NATIONAL RIVER WATER QUALITY LABORATORY CENTRAL WATER COMMISSION, B-5 KALINDI BHAWAN, TARA CRESENT ROAD, NEW DELHI, DELHI, INDIA

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

**Certificate Number** TC-5578 **Page No** 1 of 3

**Validity** 12/04/2022 to 11/04/2024 **Last Amended on** 23/06/2022

| 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 | RIVER WATER | Faecal Coliform | APHA 23rd Edn.-9221 E |
| 2 | BIOLOGICAL- WATER | RIVER WATER | Total Coliform | APHA 23rd Edn.-9221 A & B |
| 3 | CHEMICAL- WATER | RIVER WATER | Ammonia | APHA 23rd Edn.-4500 NH3-D (ISE) |
| 4 | CHEMICAL- WATER | RIVER WATER | Bio Chemical Oxygen Demand(BOD) | APHA 23rd Edn.-5210 B & 4500,O-C |
| 5 | CHEMICAL- WATER | RIVER WATER | Bio Chemical Oxygen Demand(BOD) | IS 3025 (Part 44) (Oxygen depletion method) |
| 6 | CHEMICAL- WATER | RIVER WATER | Boron | APHA 23rd Edn.-4500 B (Curcumin Method) |
| 7 | CHEMICAL- WATER | RIVER WATER | Boron | IS: 3025 Part-57 (Colorimetric Curcumin method) |
| 8 | CHEMICAL- WATER | RIVER WATER | Calcium | APHA 23rd Edn.-3500Ca- B (Titration Method) |
| 9 | CHEMICAL- WATER | RIVER WATER | Chemical Oxygen Demand (COD) | IS 3025 (Part 58) (Open reflux method) |
| 10 | CHEMICAL- WATER | RIVER WATER | Chemical Oxygen Demand(COD) | APHA 23rd Edn.-5220 D (Colorimetric Method) |
| 11 | CHEMICAL- WATER | RIVER WATER | Chloride | APHA 23rd Edn.-4500Cl-B (Argentometric Method) |
| 12 | CHEMICAL- WATER | RIVER WATER | Chloride | IS 3025 (Part 32) (Argentometric method) |
| 13 | CHEMICAL- WATER | RIVER WATER | Conductivity | APHA 23rd Edn.-2510B (Laboratory Method) |
| 14 | CHEMICAL- WATER | RIVER WATER | Dissolved Oxygen | APHA 23rd Edn.–4500, O-C (Azide modification) |
| 15 | CHEMICAL- WATER | RIVER WATER | Dissolved Oxygen | IS 3025 (Part 38) (Titrimetric method -Winker method ) |
| 16 | CHEMICAL- WATER | RIVER WATER | Fluoride | APHA 23rd Edn.-4500 F-C (ISE) |
| 17 | CHEMICAL- WATER | RIVER WATER | Fluoride | IS 3025 : Part 60 (Electrochemical Probe Method) |
| 18 | CHEMICAL- WATER | RIVER WATER | Iron | APHA 23rd Edn.-3111B |
| 19 | CHEMICAL- WATER | RIVER WATER | Magnesium | APHA 23rd Edn.-3500Mg- B (By Calculation Method) |

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| 20 | CHEMICAL- WATER | RIVER WATER | Nitrate | APHA 23rd Edn.-4500 NO3-D (ISE) |
| 21 | CHEMICAL- WATER | RIVER WATER | Nitrite | APHA 23rd Edn.-4500 NO2-B (Colorimetric) |
| 22 | CHEMICAL- WATER | RIVER WATER | Odour | APHA 23rd edition 2150 B |
| 23 | CHEMICAL- WATER | RIVER WATER | Odour | IS 3025 (Part 05) |
| 24 | CHEMICAL- WATER | RIVER WATER | pH | APHA 23rd Edn.-4500H+B (Electrometric Method) |
| 25 | CHEMICAL- WATER | RIVER WATER | pH | IS 3025 (Part 11) Electrometric method |
| 26 | CHEMICAL- WATER | RIVER WATER | Phosphorus | IS 3025 (Part 31)Ascorbic acid method |
| 27 | CHEMICAL- WATER | RIVER WATER | Potassium | APHA 23rd Edn.-3500K-D (Flame Emission) |
| 28 | CHEMICAL- WATER | RIVER WATER | Potassium | IS 3025 (Part 45) (Flame Photometry method) |
| 29 | CHEMICAL- WATER | River Water | Silicate | APHA 23rd Edition 4500 SiO2 (Molybdosilicate Method) |
| 30 | CHEMICAL- WATER | RIVER WATER | Sodium | APHA 23rd Edn.-3500Na B (Flame Emission) |
| 31 | CHEMICAL- WATER | RIVER WATER | Sodium | IS 3025 (Part 45) (Flame Photometry method) |
| 32 | CHEMICAL- WATER | RIVER WATER | Specific Conductance | IS 3025 (Part 14) |
| 33 | CHEMICAL- WATER | RIVER WATER | Sulfate | APHA23RD Edn-4500SO4-E(Turbidimetric) |
| 34 | CHEMICAL- WATER | RIVER WATER | Sulfate | IS 3025 (Part 24) (Turbidity Method) |
| 35 | CHEMICAL- WATER | RIVER WATER | Temperature | APHA 23rd edition. 2550 B |
| 36 | CHEMICAL- WATER | RIVER WATER | Temperature | IS 3025 (Part 09) |
| 37 | CHEMICAL- WATER | RIVER WATER | Total alkalinity as Calcium Carbonate | APHA23RD Edn--2320B (TitrationMethod) |
| 38 | CHEMICAL- WATER | RIVER WATER | Total alkalinity as Calcium Carbonate | IS 3025 (Part 23): |
| 39 | CHEMICAL- WATER | RIVER WATER | Total hardness as Calcium carbonate | APHA 23rd Edn.-2340C (EDTA Titrimetric Method) |
| 40 | CHEMICAL- WATER | RIVER WATER | Total hardness as Calcium carbonate | IS 3025 (Part 21) (EDTA Titrimetric method) |

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| 41 | CHEMICAL- WATER | RIVER WATER | Total Phosphate | APHA 23rd Edn.-4500 P-E (Ascorbic Acid) |
| 42 | CHEMICAL- WATER | RIVER WATER | Turbidity | APHA 23rd Edn.-2130B (Nephelometric Method ) |
| 43 | CHEMICAL- WATER | RIVER WATER | Turbidity | IS 3025 (Part 10) (Nephelometric method) |
| 44 | CHEMICAL- WATER | RIVER WATER | Zinc | APHA 23rd Edn.-3111B |