National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : STATE LEVEL WATER TESTING LABORATORY, DRINKING WATER & SANITATION DEPARTMENT, NEW PHED COLONY, HINOO, RANCHI, JHARKHAND, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7351 **Page No** 1 of 1

Validity 01/12/2021 to 30/11/2023 **Last Amended on** 14/02/2023

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	Thermotolerant (Fecal) Coliform	APHA 23rd Ed.-9222 D
2	BIOLOGICAL- WATER	Drinking Water	Total Coliform	APHA 23rd Ed.-9222 B
3	CHEMICAL- RESIDUES IN WATER	Drinking Water, Ground Water, Surface Water	Arsenic as As	IS 3025 (Part-37) (Silver Diethyldithiocarbamate method)
4	CHEMICAL- WATER	Drinking Water, Ground Water, Surface Water	Alkalinity as CaCO3	APHA 23rd Ed.2017-2320 B (Titration method)
5	CHEMICAL- WATER	Drinking Water, Ground Water, Surface Water	Calcium as Ca	APHA 23rd Ed.2017-3500B (EDTA Titration method)
6	CHEMICAL- WATER	Drinking Water, Ground Water, Surface Water	Chloride as Cl	APHA 23rd Ed.2017-4500B (Argentometric method)
7	CHEMICAL- WATER	Drinking Water, Ground Water, Surface Water	Colour	APHA 23rd Ed.2017-2120 B (Visual Comparison method)
8	CHEMICAL- WATER	Drinking Water, Ground Water, Surface Water	Fluoride as F	APHA 23rd Ed.2017-4500C (Ion selective electrode method)
9	CHEMICAL- WATER	Drinking Water, Ground Water, Surface Water	Iron as Fe	APHA 23rd Ed.2017-3500B (1,10-phenanthroline method)
10	CHEMICAL- WATER	Drinking Water, Ground Water, Surface Water	Magnesium as Mg	APHA 23rd Ed.2017-3500B (Calculation method)
11	CHEMICAL- WATER	Drinking Water, Ground Water, Surface Water	Nitrate as NO3	APHA 23rd Ed.2017-4500B (Ultraviolet spectrophotometric screening method)
12	CHEMICAL- WATER	Drinking Water, Ground Water, Surface Water	Odour	IS 3025 (Part-5)
13	CHEMICAL- WATER	Drinking Water, Ground Water, Surface Water	pH	APHA 23rd Ed.2017-4500-H+ B, (Electrometric method)
14	CHEMICAL- WATER	Drinking Water, Ground Water, Surface Water	Taste	IS 3025 (Part-7) (Taste Threshold)
15	CHEMICAL- WATER	Drinking Water, Ground Water, Surface Water	Total Dissolved Solids at 180 Degree C	APHA 23rd Ed.2017-2540 C (Total Dissolved Solids Dried at 180 Degree C)
16	CHEMICAL- WATER	Drinking Water, Ground Water, Surface Water	Total Hardness as CaCO3	APHA 23rd Ed.2017-2340 C (EDTA Titration method)
17	CHEMICAL- WATER	Drinking Water, Ground Water, Surface Water	Turbidity	APHA 23rd Ed.2017-2130 B (Nephelometric method)