National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	UPPER & MIDDLE GANGA WATER QUALITY LABORATORY, CENTRAL WATER COMMISSION, MIDDLE GANGA DIVISION-3, AKASHDEEP, PANNALAL PARK, VARANASI, UTTAR PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7416	**Page No**	1 of 1
Validity	16/12/2022 to 15/12/2024	**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	River Water	pH	APHA 23rd Edn.2017 – 4500H+ B (Electrometric Method)
2	CHEMICAL- WATER	River Water	Biochemical Oxygen demand (BOD)	APHA 23rd Edn. 2017-5210 B (5 day BOD Test Method)
3	CHEMICAL- WATER	River Water	Calcium as Ca++	APHA 23rd Edn.2017-3500Ca-B (EDTA Titrimetric Method)
4	CHEMICAL- WATER	River Water	Chloride as Cl-	APHA 23RD Edn.2017-4500 Cl-B (Argentometric Method)
5	CHEMICAL- WATER	River Water	Conductivity	APHA 23rd Edn.2017 –2510 B (Laboratory Method)
6	CHEMICAL- WATER	River Water	Dissolved Oxygen (DO)	APHA 23rd Edn.2017-4500 O-C (Azide Modification Method)
7	CHEMICAL- WATER	River Water	Fluoride as F-	APHA 23rd Edn.2017-4500 F- C (Ion Selective Electrode Method)
8	CHEMICAL- WATER	River Water	Magnesium as Mg++	APHA 23rd Edn.2017-3500 Mg-B (By Calculation Method)
9	CHEMICAL- WATER	River Water	Nitrate as NO3-	APHA 23rd Edn.2017-4500 NO3- D (Nitrate Electrode Method)
10	CHEMICAL- WATER	River Water	Potassium as K+	APHA 23rd Edn.2017-3500 K-B (Flame Emission Photometric Method)
11	CHEMICAL- WATER	River Water	Sodium as Na+	APHA 23rd Edn.2017-3500 Na-B (Flame Emission Photometric Method)
12	CHEMICAL- WATER	River Water	Sulphate as SO4 2-	APHA 23rd Edn.2017-4500 SO4 2- E (Turbidimetric Method)
13	CHEMICAL- WATER	River Water	Total Alkalinity as CaCO3	APHA 23rd Edn.2017 – 2320 B (Titration Method)
14	CHEMICAL- WATER	River Water	Total Dissolved Solids	APHA 23rd Edn.2017-2540 C (Total Dissolved Solids dried at 180 degree C)
15	CHEMICAL- WATER	River Water	Total Hardness as CaCO3	APHA 23rd Edn.2017 – 2340 C (EDTA Titrimetric Method)