

Laboratory State Referral Laboratory, Office of the Director, WSSO, PHED, Betkuchi, Guwahati, Assam

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number T- 4300 **Issue Date** 09.12.2016

Discipline Chemical Testing **Valid Until** 08.12.2018

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S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
I.	WATER			
1.	Ground Water/ Surface Water / Drinking Water	Physical and Aggregate Properties		
		Alkalinity as CaCO ₃	APHA-22 nd Ed 2012-.2320 B Titration Method (PP 2-34 to PP 2-36)	0 to1000 mg/L
		Conductivity	APHA-22 nd Ed 2012– 2510B (PP 2-54 to PP 2-55)	1 µmho/cm to 2000 µmho/cm 1 µmho/cm to 200 µmho/cm
		Hardness (as CaCO ₃)	APHA-22 nd Ed 2012-2340C EDTA Method (PP 2-44 to PP 2-47)	2 mg/L to1000 mg/L
		Turbidity	APHA-22 nd Ed 2012- 2130B Nephelometric Method (PP 2-13 to PP 2-15)	0.1 NTU to199.9 NTU
		Total Dissolved Solids	APHA-22 nd Ed 2012- 2540C Dried at 180°C (PP 2-65)	5 mg/L to1000 mg/L
		Chloride as Cl	APHA-22 nd Ed 2012- 4500 B Argentometric Method (PP 4-72 to PP 4-73)	2 mg/L to1000 mg/L
		pH	APHA-22 nd Ed 2012 -4500B (PP 4-92 to PP 4-95)	0.5 to 13.5
		Calcium as Ca	APHA-22 nd Ed 2012-3500B- EDTA Method (PP 3-67 to PP 3-68)	2 mg/L to600 mg/L

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	Ground Water/ Surface Water / Drinking Water	Magnesium as Mg	APHA-22 nd Ed 2012-3500-Mg B Calculation Method PP 3-84	2 mg/L to600 mg/L

-X-X-X-X-X-X-X-X-X-X-X-X-