

Laboratory Regional Chemical Laboratory, Central Ground Water Board,
Southern Region, Bandlaguda, GSI (Post), Hyderabad, Andhra Pradesh

Accreditation Standard ISO/IEC 17025: 2005

Discipline Chemical Testing **Issue Date** 11.01.2014

Certificate Number T-2787 **Valid Until** 10.01.2016

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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.	Bore Water (Ground Water), Domestic & Potable Water, Irrigation Water	pH	APHA 22 nd Ed; 4500- H ⁺ B	0.2 to 14
		Electrical Conductivity	APHA 22 nd Ed; 2510 B	2 to 200000 µS/cm
		Total Hardness	APHA 22 nd Ed; 2340 C	5 to 5000 mg/L
		Calcium	APHA 22 nd Ed; 3500 – Ca B	2 to 2000 mg/L
		Magnesium	APHA 22 nd Ed; 3500 – Mg B	1.2 to 1200 mg/L
		Sodium	APHA 22 nd Ed; 3500 – Na B	1 to 23 mg/L
		Potassium	APHA 22 nd Ed; 3500 – K B	1 to 39.1 mg/L
		Alkalinity	APHA 22 nd Ed; 2320 B	20 to 3000 mg/L
		Chloride	APHA 22 nd Ed; 4500– Cl ⁻ B	3.5 to 3500 mg/L
		Sulphate	APHA 22 nd Ed; 4500– SO ₄ ²⁻ B	1 to 2400 mg/L
		Nitrate	APHA 22 nd Ed; 4500– NO ₃ ⁻ B	0 to 30 mg/L
		Fluoride	APHA 22 nd Ed; 4500– F ⁻ C	0.1 to 10 mg/L
		Iron	APHA 22 nd Ed; 3500 – Fe B	0.2 to 10 mg/L