

**Laboratory** District Level Water Testing Laboratory, RWS&S Division, 1st Floor,  
ZP Compound, Nagarampalem, Guntur, Andhra Pradesh

**Accreditation Standard** ISO/IEC 17025: 2005

**Certificate Number** TC-6000

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**Validity** 26.04.2018 to 25.04.2020

Last Amended on --

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
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#### CHEMICAL TESTING

I.	WATER			
1.	Potable and Domestic/ Bore Water	pH	APHA 23 <sup>rd</sup> Edition, 2017 4500H <sup>+</sup> B	3 to 12
		Electrical Conductivity	APHA 23 <sup>rd</sup> Edition, 2017 2510 B Laboratory method	1 µS/cm to 20000 µS/cm
		Total Alkalinity as CaCO <sub>3</sub>	APHA 23 <sup>rd</sup> Edition, 2017 2320 B Titration Method	1 mg/l to 1000 mg/l
		Total Hardness as CaCO <sub>3</sub>	APHA 23 <sup>rd</sup> Edition, 2017 2340 C EDTA Titrimetric method	5 mg/l to 1000 mg/l
		Chloride as Cl <sup>-</sup>	APHA 23 <sup>rd</sup> Edition, 2017 4500-Cl <sup>-</sup> B Argentometric method	5 mg/l to 2000 mg/l
		Nitrate as NO <sub>3</sub> <sup>-2</sup>	APHA 23 <sup>rd</sup> Edition, 2017 4500-NO <sub>3</sub> <sup>-</sup> B Ultraviolet spectrophotometric Screening method	0.5 mg/l to 200 mg/l
		Sulfate as SO <sub>4</sub> <sup>-2</sup>	APHA 23 <sup>rd</sup> Edition, 2017 4500- SO <sub>4</sub> <sup>2-</sup> E Spectrophotometric method	1 mg/l to 500 mg/l
		Iron (Total)	APHA 23 <sup>rd</sup> Edition, 2017 3500-Fe B Phenanthroline Method	0.1 mg/l to 50 mg/l