

Laboratory Upper Krishna Division Water Quality Laboratory, Central Water Commission, 2nd Floor, National Water Academy Complex, Khadakwasla, R. S. Pune, Maharashtra

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-8138

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Validity 26.11.2018 to 25.11.2020

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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.	River Water	pH	APHA 23 rd Edn.-4500H ⁺ B (Electrometric Method)	2 to 12
		Conductivity	APHA23 rd Edn.-2510 B (Laboratory Method)	1 µS/cm to 10000 µS/cm
		Total Hardness as CaCO ₃	APHA23 rd Edn.-2340 C (EDTA Titrimetric Method)	3 mg/L to 2000 mg/L
		Calcium as Ca ⁺²	APHA23 rd Edn.-3500 Ca-B (EDTA Titrimetric Method)	2 mg/L to 1000 mg/L
		Magnesium as Mg ⁺²	APHA23 rd Edn.-3500 Mg-B (Calculation Method)	2 mg/L to 500 mg/L
		Total Alkalinity as CaCO ₃	APHA23 rd Edn.-2320 B (Titration Method)	5 mg/L to 1000 mg/L
		Chloride as Cl ⁻	APHA23 rd Edn.-4500 Cl ⁻ B (Argentometric Method)	5 mg/L to 2000 mg/L
		Biological Oxygen Demand	APHA23 rd Edn.-5210 B @ 20 °C (5 day BOD Test Method)	0.5 mg/L to 500 mg/L
		Dissolved Oxygen	APHA23 rd Edn.-4500, O-C (Azide Modification Method)	0.20 mg/L to 10 mg/L
		Nitrate as NO ₃ as N	APHA23 rd Edn.-4500, NO ₃ ⁻ D (Nitrate Electrode Method)	0.1 mg/L to 250 mg/L
		Fluoride as F ⁻	APHA23 rd Edn.-4500 F ⁻ C (ISE Method)	0.05 mg/L to 20 mg/L