

Laboratory **Regional Chemical Laboratory, Central Ground Water Board, South Eastern Region, Bhujal Bhawan, Khandagiri, Bhubaneswar, Odisha**

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

Certificate Number **TC-5027**

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Validity **27.02.2019 to 26.02.2021**

Last Amended on --

"In view of the transition for ISO/IEC 17025:2017, the validity of this accreditation certificate will cease on 30.11.2020"

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.	Ground Water	pH	APHA-4500 - H ⁺ B, Page No.4-95, 23 rd Ed 2017	4 to 12
		Conductivity	APHA-2510B, Page No.2-58, 23 rd Ed 2017	10 μS/cm to 10000 μS/cm at 25 °C
		Hardness as CaCO ₃	APHA-2340C, Page No.2-48, 23 rd Ed 2017	5 mg/l to 1000 mg/l
		Total Alkalinity as CaCO ₃	APHA-2320B, Page No.2-37, 23 rd Ed 2017	5 mg/l to 1000 mg/l
		Calcium as Ca ⁺⁺	APHA-3500 Ca B, Page No.3-69, 23 rd Ed 2017	2 mg/l to 500 mg/l
		Magnesium as Mg ⁺⁺	APHA-3500 Mg B, Page No.3-86, 23 rd Ed 2017	1 mg/l to 200 mg/l
		Sodium as Na ⁺	APHA-3500 Na B, Page No.3-99, 23 rd Ed 2017	1 mg/l to 500 mg/l
		Potassium as K ⁺	APHA-3500 K B, Page No.3-89, 23 rd Ed 2017	1 mg/l to 500mg/l
		Carbonate as CO ₃ ⁻	APHA-2320 B, Page No.2-37, 23 rd Ed 2017	2 mg/l to 500 mg/l
		Bicarbonate as HCO ₃ ⁻	APHA-2320 B, Page No.2-37, 23 rd Ed 2017	3 mg/l to 1000 mg/l
		Chloride as Cl ⁻	APHA-4500 Cl ⁻ B, Page No.4-75, 23 rd Ed 2017	5 mg/l to 10000 mg/l
		Fluoride as F ⁻	APHA-4500 F ⁻ C, Page No.4-89, 23 rd Ed 2017	0.02 mg/l to 10 mg/l

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