

Laboratory **Regional Chemical Laboratory, Central Ground Water Board, NR, Bhujal Bhawan, Lucknow, Uttar Pradesh**

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

Certificate Number **TC-6705 (in lieu of T-2785)**

Page 1 of 1

Validity **11.01.2018 to 10.01.2020**

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
-----	----------------------------	-------------------------	---	--

CHEMICAL TESTING

I.	WATER			
1.	Ground Water	Specific Conductivity	APHA 22 nd Ed, 2510B	5 µmhos/cm to 10,000 µmhos/cm
		Arsenic	APHA 22 nd Ed, 3114B	0.005 mg/L to 10 mg/L
		Total Hardness	APHA 22 nd Ed, 2340C	20 mg/L to 10000 mg/L
		Chloride	APHA 22 nd Ed, 4500-Cl ⁻ B	10 mg/L to 10000 mg/L
		Fluoride	APHA 22 nd Ed, 4500F ⁻	0.2 mg/L to 1.0 mg/L
		Sodium	APHA 22 nd Ed, 3500Na-D	5 mg/L to 1000 mg/L
		Potassium	APHA 22 nd Ed, 3500K-D	5 mg/L to 1000 mg/L
		pH	APHA 22 nd Ed, 4500H ⁺ B	1 to 14
		Nitrate	APHA 22 nd Ed, 4500NO ₃ B	10 mg/L to 100 mg/L
		Calcium	APHA 22 nd Ed, 3500CaB	5 mg/L to 100 mg/L
		Magnesium	APHA 22 nd Ed, 3500MgB	2 mg/L to 100 mg/L
		Sulphate	APHA 22 nd Ed, 4500SO ₄ E	10 mg/L to 100 mg/L
		Carbonate	APHA 22 nd Ed, 2320B	3 mg/L to 100 mg/L
		Bicarbonate	APHA 22 nd Ed, 2320B	6 mg/L to 100 mg/L
		Silica	APHA 22 nd Ed, 4500SiO ₂ C	10 mg/L to 50 mg/L
		Phosphate	APHA 22 nd Ed, 4500PE	0.2 mg/L to 5 mg/L
		Copper	APHA 22 nd Ed, 3111B	0.02 mg/L to 2 mg/L
		Zinc	APHA 22 nd Ed, 3111B	1 mg/L to 5 mg/L
		Manganese	APHA 22 nd Ed, 3111B	0.05 mg/L to 5 mg/L
		Iron	APHA 22 nd Ed, 3111B	0.1 mg/L to 2 mg/L
		Lead	APHA 22 nd Ed, 3111B	0.005 mg/L to 2 mg/L
		Chromium	APHA 22 nd Ed, 3111B	0.02 mg/L to 2 mg/L

Pankaj Johri
Convenor

N. Venkateswaran
Program Director