

**Laboratory** Central Water Testing Laboratory, New Town Kolkata Water Supply  
Div. I, New Town, Rajarhat, Kolkata, West Bengal

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

**Certificate Number** TC-7962

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**Validity** 10.10.2018 to 09.10.2020

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.	Surface Water, Drinking Water & Ground Water	pH	IS 3025 (Part 11): 1983 (RA 2017) Electrometric method	2.0 to 10.0
		Total dissolved solids	IS 3025 (Part 16): 1984 (RA 2017) Gravimetric Method	20 mg/L to 2000 mg/L
		Iron	IS 3025 (Part 53): 2003 (RA 2014) 1-10 Phenanthroline Method	0.1 mg/L to 5.0 mg/L
		Turbidity	IS 3025 (Part 10): 1984 (RA 2017) Nephelometric Turbidity Method	0.1 NTU to 1000 NTU
		Fluoride	APHA (23 RD EDITION)-2017 4500-F Ion selective Electrode Method	0.10 mg/L to 10.00 mg/L
		Chloride	IS 3025 (Part 32): 1988 (RA 2014) Argentometric Method	2.5 mg/L to 600 mg/L
		Alkalinity	IS 3025 (Part 23): 1986 (RA 2014) Indicator Method	20 mg/L to 1000 mg/L
		Arsenic	IS 3025 (Part 37): 1988 (RA 2014) Silver Diethyl Dithiocarbamate method	0.01 mg/L to 0.5 mg/L
		Residual Free Chlorine	IS 3025 (Part 26): 1986 (RA 2014) Iodometric Method	0.1 mg/L to 2.0 mg/L

**Nabogopal Roy**  
Convenor

**Avijit Das**  
Program Manager

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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
		Total Hardness	IS 3025 (Part 21): 2009 (RA 2014) EDTA Titrimetric Method	20 mg/L to 1000 mg/L

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