



CENTRAL POLLUTION CONTROL BOARD
REGIONAL DIRECTORATE KOLKATA
Regional Directorate, 502 Southend Conclave, 6th Floor, 1582 Rajdanga Main Road, Kolkata- 700107

Water Laboratory (ANALYSIS REPORT)
Fresh Water Samples for Physico-Chemical Analysis Report

Samples Registration No. & Date : RDKL/FW/2324/SR00015, 11/10/2023 Report No. & Date of Issue : RDKL/2324/FW/00026,10/12/2023
Analysis Request Division/Organization : RD Kolkata Report sent to (Name,Mobile no. & Address of Indentor) : DH of RD Kolkata
Sample Details : Ground water (Budge Budge STP premises) Sample Matrix : Fresh Water
Sample Collected by : Vishnu Vardhan Kanuri,S.C. Mohapatra, Kumar Ayush Date & Time of Sample Receipt : 11/10/2023 17:39 PM
Sampling Plan Preference : RDKL/FW/2324/SP00019 Sample Analysis Period : 11/10/2023 to 10/11/2023
Report Status : Final

Sr.No	Date of Sample Collection	Field Code	Cobalt	Colour
1	10/10/2023	GW-1	BDL	5

BDL : Below Deduction Limit

Remarks (if any) :

Statement :

- 1.*****The results relate only to the samples tested.
- 2.*****The report shall not be reproduced except in full without written approval of the laboratory
- 3.*****BDL & Test methods are mentioned on back side of this report.
- 4.*****Samples will be retained only for one week after receipt of Report.

Parameter Name	Test Method	Unit	Limit of Detection	Uncertainty of Measurement
Arsenic	APHA 24th Ed. 3125 B Part 3000.233 to 242		10 ppb	

Analyst

Supervisor & Reviewer

Issued By (DH Water-Lab)

Md Abdur Rafique

Abhijit Pathak

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Calcium	APHA 23Ed. 3500-Ca B Part 3000.254 to 255	mg/l	4 mg/l	
Chemical Oxygen Demand	APHA 24th Ed. 5220 B. Part5000.544 to 545	mg/l	2 mg/l	
Chloride	APHA 24th ed. 4500-Cl B Part4000.340 to 341	mg/l	5 mg/l	
Chromium	APHA 24th Ed. 3125 B Part 3000.233 to 242		10 ppb	
Cobalt	APHA 24th Ed. 3125 B Part 3000.233 to 242		10 ppb	
Colour	APHA 24th Ed. 2120 B Part 2000.82 to 83	CU		
Conductivity	APHA 24th Ed. 2510- B Part 2000.134 to 135		3 uS/cm	
Copper	APHA 24th Ed. 3125 B Part 3000.233 to 242		10 ppb	
Fluoride	APHA 24th. Ed. 4500-F D, Part 4000.400 to 401	mg/l	0.04 mg/l	
Iron	APHA 24th Ed. 3125 B Part 3000.233 to 242		10 ppb	
K+	APHA 24th Ed. 3500 K-B, Part 3000.279-281	mg/l	0.1 mg/l	
Magnesium	APHA 24th Ed. 3500-Mg B, Part 3000.274	mg/l	2 mg/l	
Manganese	APHA 24th Ed. 3125 B Part 3000.233 to 242		10 ppb	
Na+	APHA 24th Ed. 3500 Na-B, Part 3000.290-292	mg/l	0.1 mg/l	
Nickel	APHA 24th Ed. 3125 B Part 3000.233 to 242		10 ppb	
NO ₃ - N	APHA 24th Ed. 4500-NO ₃ E, Part4000.438-440	mg/l	0.01 mg/l	
pH	APHA 24th Ed. 4500-H+B Part 4000.473-478		2	
Sulphate	APHA 24th Ed. 4500-SO ₄ E Part 4000.505-506	mg/l	4 mg/l	
Total Alkalinity	APHA 24th Ed. 2320-B Part 2000.112 to 114	mg/l as CaCO ₃	8 mg/l	# #\
Total Dissolved Solids	APHA 24th Ed. 2540 C Part 2000.145	mg/l	5 mg/l	

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Total Hardness as CaCO ₃	APHA 24th Ed. 2340-C Part 2000.124 to 126	mg/l as CaCO ₃	10 mg/l	# #\
Total Suspended Solids	APHA 24th Ed. 2540-D Part 2000.146 to 147	mg/l	5 mg/l	
Zinc	APHA 24th Ed. 3125 B Part 3000.233 to 242		10 ppb	

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