



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



Water Laboratory (ANALYSIS REPORT)

Waste Water Samples for Physico-Chemical Analysis Report A

ULR No: TC70012400000010F

TC-7001

Samples Registration No. & Date : RDKL/WW/2324/SR00078, 13/12/2023 Report No. & Date of Issue : RDKL/2324/WW/00225.03/01/2024
Analysis Request Division/Organization : RD Kolkata Report sent to (Name, Mobile no. & Address of Indentor) : DH of RD Kolkata
Sample Details : Begun Beria Harakhali drain, Green Belt Canal drain & Jhikurkhali drain Sample Matrix : Waste Water
Sample Collected by : Girija Shankar Mishra, Saurabh Garg Date & Time of Sample Receipt : 14/12/2023 18:09 PM
Sampling Plan Preference : RDKL/WW/2324/SP00085 Sample Analysis Period : 15/12/2023 to 29/12/2023
Report Status : Final

Sr.No	Date of Sample Collection	Field Code	Ammonical Nitrogen	Arsenic	Biochemical Oxygen Demand (20 deg. C for 5 days & 27 deg.C for 3 days)	Cadmium	Chemical Oxygen Demand	Chloride	Chromium	Copper	Iron	Lead	Manganese	Nickel	NO3- N	pH	Phosphate
1	13/12/2023	B-1 (Begunberia Harakhali drain)	02.6 mg/l	BDL	11	BDL	47	616	20	11	4923	28	487	11	3.39	7.30	1.34
2	13/12/2023	G-1 (Green Belt Canal drain)	03.8 mg/l	BDL	40	BDL	217	382	16	13	2266	227	277	12	0.03	5.97	0.88

Analyst

Supervisor & Reviewer

Issued By (DH Water-Lab)

Md Abdur Rafique

Abhijit Pathak

Doc: CB/RDK/TR/QR/7.8/2

Issue No.:01

Revision No :01

Issue Date:20/01/2020

Revision Date: 08/12/2022

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3	13/12/2023	J-1 (Jhikurkhali drain)	BDL	BDL	5	BDL	74	406	12	BDL	861	14	165	BDL	0.31	8.32	1.14
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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
Ammonical Nitrogen	APHA 24th Ed. 4500-NH3 B Part4000.424 to 425 and 4500-NH3 C Part4000.425 to 426	mg/l	1mg/l	
Arsenic	APHA 24th Ed. 3125 B Part 3000.233 to 242		10 ppb	
Biochemical Oxygen Demand (20 deg. C for 5 days & 27 deg.C for 3 days)	APHA 24th Ed., 5210 B Part5000.533 to 537	mg/l	1 mg/l	
Cadmium	APHA 24th Ed. 3125 B Part 3000.233 to 242		10 ppb	
Chemical Oxygen Demand	APHA 23th 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		

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Copper	APHA 24th Ed. 3125 B Part 3000.233 to 242	ug/l	10 ppb	
Iron	APHA 24th Ed. 3125 B Part 3000.233 to 242		10 ppb	
Lead	APHA 24th Ed. 3125 B Part 3000.233 to 242		10 ppb	
Manganese	APHA 24th Ed. 3125 B Part 3000.233 to 242		10 ppb	
Nickel	APHA 24th Ed. 3125 B Part 3000.233 to 242		10 ppb	
NO3- N	APHA 24th Ed. 4500-NO3 E, Part4000.438-440	mg/l	0.01 mg/l	
pH	APHA 24th Ed. 4500-H+B Part 4000.473-478		2	
Phosphate		mg/l	0.05	
Selenium	APHA 24th Ed. 3125 B Part 3000.233 to 242		10 ppb	
Sulphate	APHA 24th Ed. 4500-SO4 E Part 4000.505-506	mg/l	4 mg/l	
Total Dissolve Solids	APHA 24th Ed. 2540 C Part 2000.145	mg/l	5 mg/l	
Total Suspended Solids	APHA 24th Ed. 2540-D Part 2000.146 to 147	mg/l	5 mg/l	
Vanadium	APHA 24th Ed. 3125 B Part 3000.233 to 242		10 ppb	
Zinc	APHA 24th Ed. 3125 B Part 3000.233 to 242		10 ppb	

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