



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/SR00012, 04/10/2023 Report No. & Date of Issue : RDKL/2324/FW/00020,15/11/2023  
Analysis Request Division/Organization : RD Kolkata Report sent to (Name,Mobile no. & Address of Indentor) : DH of RD Kolkata  
Sample Details : Groundwater at Bansberia STP Premises Sample Matrix : Fresh Water  
Sample Collected by : Syed Yakub Ali,Ajeet Verma Date & Time of Sample Receipt : 05/10/2023 11:15 AM  
Sampling Plan Preference : Sample Analysis Period : 14/11/2023 to 14/11/2023  
Report Status : Final

| Sr.No | Date of Sample Collection | Field Code | Cobalt | Colour |
|-------|---------------------------|------------|--------|--------|
| 1     | 03/10/2023                | B-GW       | 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

|                         |              |                 |                       |                           |                |
|-------------------------|--------------|-----------------|-----------------------|---------------------------|----------------|
| Doc: CB/RDK/TR/QR/7.8/1 | Issue No.:01 | Revision No :01 | Issue Date:20/01/2020 | Revision Date: 08/12/2022 | Page No. : 1/3 |
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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    |      |
| 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 - P          | APHA 24th Ed. 4500-P D Part 4000.485-486      | mg/l          | 0.01 mg/l |      |
| Sulphate               | APHA 24th Ed. 4500-SO4 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 CaCO3 | 8 mg/l    | # #\ |

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|                         |   |               |         |      |
|-------------------------|---|---------------|---------|------|
| Total Dissolved Solids  | APHA 24th Ed. 2540 C Part 2000.145        | mg/l          | 5 mg/l  |      |
| Total Hardness as CaCO3 | APHA 24th Ed. 2340-C Part 2000.124 to 126 | mg/l as CaCO3 | 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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