

Water Analysis Report



District Level Water Analysis Laboratory

Uttar Pradesh Jal Niagam (Rural), Ballia
Office of Executive Engineer, Khand Karyalaya,
Opposite SMTD College, Ballia- 277001

Report No.: TC/BUI/JUL23/913

Date: 18/07/2023

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Customer Details

Office Name and Seth MR Jaipuria School Ballia

Ref Letter No & Date

Basic details of sample

District	Ballia	Block	Rasara
Gram Panchayat	Dehri	Village	Kotwari
Habitation	NA	Location	NA
Water Source	RO	Sample Code	BUI/JUL23/913
Quantity of Sample	1000mL	Date of S.C.	13/07/2023
Receiving Date	14/07/2022	S. Collector	Indira
Sampling Method	IS 17614	Sample Depositor	Indira
Analysis Start Date	17/07/2022	Analysis Completion Date	18/07/2023

Technical Data of Analysis

S. No.	Analysed parameters (Unit of Measurement)	Observed Value	Specified Values as per BIS- 10500: 2012		Ref. Method of Analysis
			Acceptable Limit(mg/L)	Permissible Limit (mg/L)	
1	2	3	4	5	6
1	pH	7.38	6.5	8.5	IS 3025 Part-11: 2022 (Electrode Method)
2	Turbidity (NTU)	0.57	1	5	IS 3025 Part-10: 2017 (Nephelometric method)
3	Colour (HU)	NA	5	15	IS 3025 Part-4: 2017 (Visual Comparison Method)
4	TDS (mg/l)	82	500	2000	IS 3025 Part-16: 2017 (Gravimetric method)
5	Total Alkalinity (mg/l)	28	200	600	IS 3025 Part-23: 2019 (Potentiometric and Indicator method)
6	Odour	Agreeable	Agreeable	Agreeable	IS 3025 Part-5: 2018
7	Taste	Agreeable	Agreeable	Agreeable	IS 3025 Part-8: 2017
8	Chloride (mg/l)	9.99	250	1000	IS 3025 Part-32: 2019 (Argentometric method)
9	Fluoride (mg/l)	0.21	1	1.5	APHA 23 rd Edition 4500-F Method-C (Electrode Method)
10	Nitrate (mg/l)	0.1	45	No relaxation	APHA 23 rd Edition -NO ₃ Method D(UV screening Method)
11	Sulphate (mg/l)	2.17	200	400	APHA 23 rd Edition 4500-SO ₄ Method E
12	Iron (mg/l)	0.23	1	No relaxation	APHA 23 rd Edition- 3500-Fe Method B(Phenanthroline Method)
13	Total Hardness (mg/l)	10	200	600	IS 3025 Part-21: 2019 (EDTA Method)
14	Calcium (mg/l)	NA	45	No relaxation	APHA 23 rd Edition -NO ₃ Method D (UV screening Method)
15	Magnesium (mg/l)	NA	200	400	APHA 23 rd Edition 4500-SO ₄ Method E (Turbidimetric Method)
16	Total Arsenic (mg/l)	0	1	No relaxation	APHA 23 rd Edition- 3500-Fe Method B (Phenanthroline Method)

#BDL- Below Detection Limit, NA- Not Analyzed.

** Parameter(s) above permissible limit are in bold digits.

Note 1. This Certificate refers only to the particular sample(s) submitted for testing.

2. This certificate shall not be reproduced, except in full, unless written permission for the publication of an approved

3. The test results reported in this certificate are valid at the time of and under the stated conditions of measurements.

4. Sample will be stored up to 07 days (in case of non perishable items only) from the date of issue of tests reports unless

Shiv Shankar Aggarwal.

Shiv Shankar Aggarwal
(Report Prepared by)

अधिकासी अभियन्ता
खण्ड कार्यालय
जल निगम (ग्रामी)
बलिया

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(Report Authorised by)

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End of Analysis Report

