

Office of the A.C.W.A.
Diary No. 198
Date: 14/10/25
Bawana

SAVE WATER, SAVE LIFE



DELHI JAL BOARD (GOVT. OF N.C.T. DELHI)
QUALITY CONTROL LABORATORY,
WATER TREATMENT PLANT BAWANA,
DELHI-110039



Date : 14.10.2025

Water samples collected From Mata Sukh Devi Public School School, Main G.T. Road, Nangli Poona, Delhi
110036 vide Challan No.167 Dated 22.09.2025

S1: Bore well; S2: After R.O. System

S. No.	PARAMETERS	UNITS	Limit as per B.I.S.10500:2012		S1	S2
			Acceptable	Permissible		
1.	Date of collection	--	---	---	01.10.2025	01.10.2025
2.	Date of Analysis	--	---	---	03.10.2025	03.10.2025
3.	Colour	C.U.	5	15	Clear	Clear
4.	Odour	--	Agreeable		Agreeable	Agreeable
5.	Turbidity	N.T.U	1.0	5.0	2.89	1.12
6.	p ^H value	--	6.5 to 8.5	N.R.	7.8	8.0
7.	Electrical Conductivity	µmhos/cm	----	-----	3408.0	342.0
8.	Total Dissolved Solid	(mg/l)	500	2000	2215.2	222.3
CHEMICAL EXAMINATION						
9.	Phenolphthalein Alkalinity	(mg/l)	----	----	Nil	Nil
10.	Total Alkalinity	(mg/l)	200	600	294.0	54.0
11.	Total Hardness	(mg/l)	200	600	757.0	82.0
12.	Calcium Hardness	(mg/l)	200	600	314.0	44.0
13.	Magnesium Hardness	(mg/l)	200	600	443.0	38.0
14.	Calcium as Ca	(mg/l)	75	200	125.6	17.6
15.	Magnesium as mg	(mg/l)	30	100	106.32	9.12
16.	Ammonia (as NH ₃ -N)	(mg/l)	0.5	N.R.	0.04	ND
17.	Nitrite -Nitrogen (N)	(mg/l)	---	---	0.006	ND
18.	Nitrate (NO ₃)	(mg/l)	45	N.R.	46.90	7.06
19.	Sulphate (SO ₄)	(mg/l)	200	400	171.5	12.09
20.	Chloride (Cl)	(mg/l)	250	1000	502.0	40.0
21.	Iron (Fe)	(mg/l)	1.0	N.R.	0.04	0.02
22.	Fluorides (F)	(mg/l)	1.0	1.5	1.23	0.11
23.	Cyanides (CN)	(mg/l)	0.05	N.R.	Absent	Absent
24.	Residual Chlorine	(mg/l)	0.2	1.0	Nil	Nil
BACTERIOLOGICAL EXAMINATION						
25.	Coli form per 100 ml at 37°C	MPN/100 mL	0		19	0

Remarks: As per above tested parameters, Sample S1 found unsatisfactory while Sample S2 found satisfactory and can be used for drinking purpose after proper disinfection.

[Signature]
Asst. Chemist/ Asst. Bacteriologist

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Chemist/Bacteriologist

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