



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



DATE: 14.09.2026

Water samples collected from Daffodil Public School, Prem Colony, Bawana Road, Narela, Delhi-110040 vide Challan no. 184 Dated 31.08.2026.

S1:Z-Pump

S2: Drinking Point in the premises after R.O.

S. No.	PARAMETERS	UNITS	Limit as per B.I.S.10500:2012		S1	S2
			Acceptable	Permissible		
1.	Date of collection	--	---	---	05.09.2026	05.09.2026
2.	Date of Analysis	--	---	---	05.09.2026	05.09.2026
3.	Colour	C.U.	5	15	Clear	Clear
4.	Odour	--	Agreeable		Agreeable	Agreeable
5.	Turbidity	N.T.U	1.0	5.0	2.26	2.17
6.	p ^H value	--	6.5 to 8.5	N.R.	7.8	7.2
7.	Electrical Conductivity	µmhos/cm	---	---	4520.0	134.0
8.	Total Dissolved Solid	(mg/l)	500	2000	2938.0	87.1
CHEMICAL EXAMINATION						
9.	Phenolphthalein Alkalinity	(mg/l)	---	---	Nil	Nil
10.	Total Alkalinity	(mg/l)	200	600	538.0	22.0
11.	Total Hardness	(mg/l)	200	600	679.0	24.0
12.	Calcium Hardness	(mg/l)	---	---	218.0	14.0
13.	Magnesium Hardness	(mg/l)	---	---	461.0	10.0
14.	Calcium as Ca	(mg/l)	75	200	87.2	5.6
15.	Magnesium as mg	(mg/l)	30	100	110.64	2.4
16.	Ammonia (as NH ₃ -N)	(mg/l)	0.5	N.R.	0.02	ND
17.	Nitrite -Nitrogen (N)	(mg/l)	---	---	0.006	ND
18.	Nitrate (NO ₃ ⁻)	(mg/l)	45	N.R.	116.1	21.89
19.	Sulphate (SO ₄ ²⁻)	(mg/l)	200	400	408.9	7.86
20.	Chloride (Cl ⁻)	(mg/l)	250	1000	414.0	18.0
21.	Iron (Fe)	(mg/l)	0.3	N.R.	0.12	0.04
22.	Fluorides (F)	(mg/l)	1.0	1.5	1.67	0.62
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		20	0

Remarks: As per above tested parameters, **Sample S1** was found unsatisfactory and cannot be used for drinking purpose and **Sample S2** was found satisfactory and can be used for drinking purpose.

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A.C.W.A. (Bawana)