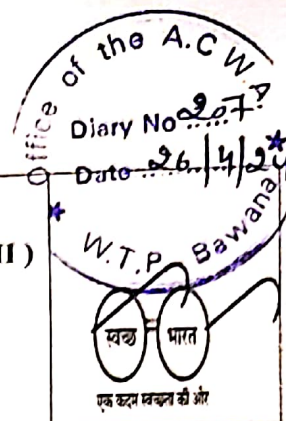


SAVE WATER, SAVE LIFE




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




Water sample collected from The Vivekanand School Shiv Mandir Colony,
 Narela Delhi-110040 vide Challan no. - 15 Dated 15.04.2024.

S. No.	PARAMETERS	UNITS	Limit as per B.I.S.10500:2012		S1
			Acceptable	Permissible	
51.	Date of collection	--	---	---	20.04.2024
52.	Date of Analysis	--	---	---	20.04.2024
53.	Colour	C.U.	5	15	Clear
54.	Odour	--	Agreeable		Agreeable
55.	Turbidity	N.T.U	1.0	5.0	0.91
56.	p ^H value	--	6.5 to 8.5	N.R.	6.9
57.	Electrical Conductivity	µmhos/cm	---	---	248.0
58.	Total Dissolved Solid	(mg/l)	500	2000	161.2
CHEMICAL EXAMINATION					
59.	Phenolphthalein Alkalinity	(mg/l)	---	---	Nil
60.	Total Alkalinity	(mg/l)	200	600	34.0
61.	Total Hardness	(mg/l)	200	600	24.0
62.	Calcium Hardness	(mg/l)	200	600	12.0
63.	Magnesium Hardness	(mg/l)	200	600	12.0
64.	Calcium as Ca	(mg/l)	75	200	4.8
65.	Magnesium as mg	(mg/l)	30	100	2.88
66.	Ammonia (as NH ₃ -N)	(mg/l)	0.5	N.R.	ND
67.	Nitrite -Nitrogen (N)	(mg/l)	---	---	ND
68.	Nitrate (NO ₃)	(mg/l)	45	N.R.	3.646
69.	Sulphate (SO ₄)	(mg/l)	200	400	15.94
70.	Chloride (Cl)	(mg/l)	250	1000	30.0
71.	Iron (Fe)	(mg/l)	1.0	N.R.	0.03
72.	Fluorides (F)	(mg/l)	1.0	1.5	0.14
73.	Cyanides (CN)	(mg/l)	0.05	N.R.	Absent
74.	Residual Chlorine	(mg/l)	0.2	1.0	Nil
BACTERIOLOGICAL EXAMINATION					
75.	Coli form per 100 ml at 37°C	MPN/100 mL	0		3.6

Remarks: As per above tested parameters, Samples S1 can be used for drinking purpose after proper disinfection.


 Chemist/Bacteriologist


 A.C.W.A. (Bawana)