



Format No. 7.8 F 01

TEST REPORT



ULR No.: TC1619826100000633F

Test Report No.	SIL/W/260618001	Test Report Issue Date	19/06/2026
Date of sample Receipt	18/06/2026	Sample ID	SIL/W/260618001
Name & Address of the Customer	Dony Polo Public School Bela Laxmanpur, Bihta, Patna, Bihar-801111		
Sampling plan ref. No.	Not Applicable		
Sample Details			
Sample Name	Drinking Water	Sample Quantity	2 Ltrs
Sample Source	RO	Date of Sampling	18/06/2026
Sampling Location	Canteen Area	Sampling Method	APHA
Sample Supplied/Collected by	SIL Representative (Mr. Sumit)	Sample Condition	Good
Test started On	18/06/2026	Test Completed On	19/06/2026

TEST RESULTS

Group Name		Water		Discipline	Chemical and Biological	
S.No.	Test Parameters	Units	Test Method	Specification as per IS 10500:2012		Results
				Acceptable Limit	Permissible Limit in the Absence of Alternate Source	
Chemical Parameters						
1	Odour	Qualitative	IS:3025 Part-5	Agreeable	Agreeable	Agreeable
2	pH (at 25°C)	-	IS 3025 (Part 11) (Using by Electrode)	6.5-8.5	No Relaxation	6.73
3	Turbidity	NTU	IS 3025:P-10 (Nephelometric Method)	1	5	BLQ (LOQ-1.0)
4	Total Dissolved solids (at 180°C)	mg/L	IS 3025:P 16(Gravimetric Method)	500	2000	99

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Dept. Technical Manager
Authorized Signatory

Shaukat
Technical Manager (Inst.)
Authorized Signatory



Vijay Kumar
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Technical Manager (Micro)
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				Acceptable Limit	Permissible Limit in the Absence of Alternate Source	
5	Calcium as Ca	mg/L	IS: 3025:P-40(EDTA Titrimetric Method)	75	200	12.02
6	Chloride (as Cl)	mg/L	IS 3025 (Part 32) (Argentometric Method)	250	1000	9.86
7	Magnesium (as Mg)	mg/L	IS:3025:P-46(Volumetric method using EDTA)	30	1000	5.94
8	Sulphate as SO ₄	mg/L	IS:3025(Part 24/Sec-1) (Turbidity Method)	200	400	7.12
9	Total Alkalinity (as CaCO ₃)	mg/L	IS 3025 Part 23 (Indicator Method)	200	600	48
10	Total Hardness (as CaCO ₃)	mg/L	IS 3025:P-21 (EDTA Method)	200	600	54.44
11	Fluoride (as F)	mg/L	APHA 4500 F-D: 24th Edition (SPADNS Method)	1.0	1.5	0.16
12	Nitrate (as NO ₃)	mg/L	IS :3025 P-34/Sec1): (Screening Method)	45	No Relaxation	1.41
13	Taste	mg/L	IS 3025 Part-8	Agreeable	Agreeable	Agreeable
Heavy Metals						
14	Iron (as Fe)	mg/L	SIL/W/STP/ 04,	1.0	No relaxation	BLQ (LOQ-0.01)

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S.No.	Test Parameters	Units	Test Method	Specification as per IS 10500:2012		Results	
				Acceptable Limit	Permissible Limit in the Absence of Alternate Source		
14			IssueNo-01, Issue Date-15/05/2024				
15	Zinc (as Zn)	mg/L	SIL/W/STP/ 04, IssueNo-01, Issue Date-15/05/2024	5	15	BLQ (LOQ-0.01)	
16	Cadmium (as Cd)	mg/L	SIL/W/STP/ 04, IssueNo-01, Issue Date-15/05/2024	0.003	No relaxation	BLQ (LOQ-0.002)	
17	Lead (as Pb)	mg/L	SIL/W/STP/ 04, IssueNo-01, Issue Date-15/05/2024	0.01	No relaxation	BLQ (LOQ-0.002)	
18	Mercury (as Hg)	mg/L	SIL/W/STP/ 04, IssueNo-01, Issue Date-15/05/2024	0.001	No relaxation	BLQ (LOQ-0.0005)	
19	Arsenic (as As)	mg/L	SIL/W/STP/ 04, IssueNo-01, Issue Date-15/05/2024	0.01	0.05	BLQ (LOQ-0.005)	

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				Acceptable Limit	Permissible Limit in the Absence of Alternate Source		
Microbiological Parameter							
20	Escherichia coli	/100ml	IS 15185 : 2016	Shall not be Detectable	No relaxation	Absent	
21	Coliform	/100ml	IS 15185 : 2016	Shall not be Detectable	No relaxation	Absent	

Remarks : Opinion: The tested sample is confirms as per IS 10500:2012 standard for Drinking Water on the basis of above tested parameters only, BLQ-Below Limit of Quantification, LOQ- Limit of Quantification.

End of Report



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