Office of the A.C.W.A. Diary No. 72 Date 5/6/26 W.T.P. Bawana

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

SAVE WATER SAVE LIFE

DATE: 05.06.2026

Water samples collected from D.N. Public School, Kh. No. 123 & 125, Budhanpur Majra Dabas Delhi-110081 vide Challan no. 81 Dated 26.05.2026.

S1:DJB Supply S2: Drinking Point in the premises after Filtration

| S. No. | PARAMETERS | UNITS | Limit as per B.I.S.10500:2012 | | S1 | S2 |
|---|---|---|---|---|---|---|
| | | | Acceptable | Permissible | | |
| 1. | Date of collection | -- | --- | --- | 30.05.2026 | 30.05.2026 |
| 2. | Date of Analysis | -- | --- | --- | 30.05.2026 | 30.05.2026 |
| 3. | Colour | C.U. | 5 | 15 | Clear | Clear |
| 4. | Odour | -- | Agreeable | | Agreeable | Agreeable |
| 5. | Turbidity | N.T.U | 1.0 | 5.0 | 1.95 | 1.11 |
| 6. | $p^H$ value | -- | 6.5 to 8.5 | N.R. | 7.5 | 7.7 |
| 7. | Electrical Conductivity | µmhos/cm | ---- | ----- | 281.0 | 275.0 |
| 8. | Total Dissolved Solid | (mg/l) | 500 | 2000 | 182.65 | 178.75 |
| | **CHEMICAL EXAMINATION** | | | | | |
| 9. | Phenolphthalein Alkalinity | (mg/l) | ---- | ---- | Nil | Nil |
| 10. | Total Alkalinity | (mg/l) | 200 | 600 | 76.0 | 74.0 |
| 11. | Total Hardness | (mg/l) | 200 | 600 | 112.0 | 108.0 |
| 12. | Calcium Hardness | (mg/l) | --- | --- | 76.0 | 70.0 |
| 13. | Magnesium Hardness | (mg/l) | --- | --- | 36.0 | 38.0 |
| 14. | Calcium as Ca | (mg/l) | 75 | 200 | 30.4 | 28.0 |
| 15. | Magnesium as mg | (mg/l) | 30 | 100 | 8.64 | 9.12 |
| 16. | Ammonia (as $NH_3$-N) | (mg/l) | 0.5 | N.R. | ND | ND |
| 17. | Nitrite –Nitrogen (N) | (mg/l) | --- | --- | ND | ND |
| 18. | Nitrate ($NO_3$) | (mg/l) | 45 | N.R. | 2.67 | 2.10 |
| 19. | Sulphate ($SO_4$) | (mg/l) | 200 | 400 | 39.64 | 32.21 |
| 20. | Chloride (Cl) | (mg/l) | 250 | 1000 | 10.0 | 9.0 |
| 21. | Iron (Fe) | (mg/l) | 0.3 | N.R. | 0.04 | 0.03 |
| 22. | Fluorides (F) | (mg/l) | 1.0 | 1.5 | 0.25 | 0.22 |
| 23. | Cyanides (CN) | (mg/l) | 0.05 | N.R. | Absent | Absent |
| 24. | Residual Chlorine | (mg/l) | 0.2 | 1.0 | 0.40 | 0.25 |
| | **BACTERIOLOGICAL EXAMINATION** | | | | | |
| 25. | Coli form per 100 ml at $37^0$C | MPN/100 mL | 0 | | 0 | 0 |

**Remarks:** As per above tested parameters, Both Samples S1 and S2 found satisfactory and can be used for drinking purpose.

Asst. Chemist/ Asst.Bacteriologist

Chemist/Bacteriologist

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