SAVE WATER, SAVE LIFE

Office of the A.C.W.A. Diary No. 2704 Date 15/12/25 W.T.P. Bawana

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

2025 International Year of Cooperatives

**DATE: 15.12.2025**

**Water samples collected from Shiv Shakti Vidyapeeth,Khasra No. 281-284, Lakshmi Enclave Extd. Lal Dora Alipur, Delhi-110036 vide Challan no. – 231 Dated 20.11.2025.**
**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 | -- | --- | --- | 08.12.2025 | 08.12.2025 |
| 2. | Date of Analysis | -- | --- | --- | 09.12.2025 | 09.12.2025 |
| 3. | Colour | C.U. | 5 | 15 | Clear | Clear |
| 4. | Odour | -- | Agreeable | | Agreeable | Agreeable |
| 5. | Turbidity | N.T.U | 1.0 | 5.0 | 3.59 | 1.57 |
| 6. | $p^H$ value | -- | 6.5 to 8.5 | N.R. | 7.5 | 7.2 |
| 7. | Electrical Conductivity | µmhos/cm | ----- | ----- | 3487.0 | 219.0 |
| 8. | Total Dissolved Solid | (mg/l) | 500 | 2000 | 2266.55 | 142.35 |
| | **CHEMICAL EXAMINATION** | | | | | |
| 9. | Phenolphthalein Alkalinity | (mg/l) | ---- | ---- | Nil | Nil |
| 10. | Total Alkalinity | (mg/l) | 200 | 600 | 581.0 | 48.0 |
| 11. | Total Hardness | (mg/l) | 200 | 600 | 672.0 | 44.0 |
| 12. | Calcium Hardness | (mg/l) | --- | --- | 247.0 | 34.0 |
| 13. | Magnesium Hardness | (mg/l) | --- | --- | 425.0 | 10.0 |
| 14. | Calcium as Ca | (mg/l) | 75 | 200 | 98.8 | 13.6 |
| 15. | Magnesium as mg | (mg/l) | 30 | 100 | 102.0 | 2.4 |
| 16. | Ammonia (as $NH_3$-N) | (mg/l) | 0.5 | N.R. | ND | ND |
| 17. | Nitrite –Nitrogen (N) | (mg/l) | --- | --- | 0.004 | ND |
| 18. | Nitrate ($NO_3$) | (mg/l) | 45 | N.R. | 24.43 | 10.14 |
| 19. | Sulphate ($SO_4$) | (mg/l) | 200 | 400 | 478.4 | 21.00 |
| 20. | Chloride (Cl) | (mg/l) | 250 | 1000 | 422.0 | 26.0 |
| 21. | Iron (Fe) | (mg/l) | 1.0 | N.R. | 0.06 | 0.03 |
| 22. | Fluorides (F) | (mg/l) | 1.0 | 1.5 | 1.97 | 0.35 |
| 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 | | 15 | 0 |

**Remarks:** As per above tested parameters, Sample S1 found unsatisfactory while sample S2 found satisfactory and hence sample S2 can be used for drinking purpose.

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