

**OFFICE OF THE CHIEF CHEMIST**  
**PUBLIC HEALTH ENGINEERING DEPARTMENT LABORATORY, GANDHI NAGAR, JAIPUR**  
**REPORT OF THE CHEMICAL EXAMINATION OF WATER**

No: Lab/Sup.Chem. (HM) / Jaipur (City) /2026-2027/ 446-447

Date: 28/4/26

To,  
Principal  
Orchids Central School  
Mahaveer Nagar Jaipur

Letter No -Nil Dated 20/04/2026

Date of Receipt-20/04/2026

Not Valid for water  
quality / Legal Cases

Sample was not Collected  
by Laboratory

| Particulars                           |                                      |                                                            | Tube Well Water                                 | RO Water                                        |
|---------------------------------------|--------------------------------------|------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------|
|                                       | value as per I.S.:10500/2012         |                                                            | Orchids Central School<br>Mahaveer Nagar Jaipur | Orchids Central School<br>Mahaveer Nagar Jaipur |
| Village / Town                        | Requirement<br>(Acceptable<br>Limit) | Permissible Limit in<br>the absence of<br>Alternate Source | Jaipur                                          | Jaipur                                          |
| Date of Collection                    |                                      |                                                            | 21/04/2026                                      | 21/04/2026                                      |
| Date Of Examination                   |                                      |                                                            | 21/04/2026                                      | 21/04/2026                                      |
| Lab. Sample No.                       |                                      |                                                            | P-24                                            | P-25                                            |
| 1. pH                                 | 6.5-8.5                              | 6.5-8.5                                                    | 7.89                                            | 6.83                                            |
| 2. Turbidity (NTU)                    | 1                                    | 5                                                          | Nil                                             | Nil                                             |
| 3. Colour (Hazen units)               | 5                                    | 15                                                         | None                                            | None                                            |
| 4. Odour                              | UO                                   | UO                                                         | UO                                              | UO                                              |
| 5. Total Alkalinity(as CaCo3)<br>mg/l | 200                                  | 600                                                        | 210                                             | 40                                              |
| 6. Total Hardness (as CaCo3)<br>mg/l  | 200                                  | 600                                                        | 212                                             | 32                                              |
| 7. Calcium (as Ca) mg/l               | 75                                   | 200                                                        | 40                                              | 6                                               |
| 8. Magnesium (as Mg) mg/l             | 30                                   | 100                                                        | 27                                              | 4                                               |
| 9. Chloride (as Cl-) mg/l             | 250                                  | 1000                                                       | 70                                              | 2                                               |
| 10. Nitrates (as NO3-) mg/l           | 45                                   | 45                                                         | 45                                              | 2                                               |
| 11. Sulphate (as So4)mg/l             | 200                                  | 400                                                        | 14                                              | 3                                               |
| 12. Total Dissolved Solids<br>mg/l    | 500                                  | 2000                                                       | 550                                             | 108                                             |
| 13. Fluoride mg/l                     | 1.0                                  | 1.5                                                        | 0.34                                            | 0.02                                            |
| 14. Iron mg/l                         | 1.0                                  | No Relaxation                                              | Nil                                             | Nil                                             |
| 15. Arsenic mg/l                      | 0.01                                 | No Relaxation                                              | Nil                                             | Nil                                             |

**Remark-**

- 1- All chemical parameters except pH are in mg/l
- 2- Tested Results Relate only to The Samples send by you

No: Lab/Sup.Chem. (HM) / Jaipur (City) /2026-2027/

1- The Chief Chemist, PHED, Rajasthan, Jaipur.

27/04/26  
Superintending Chemist (Heavy Metal)  
P.H.E.D. Laboratory, Jaipur  
Date:

Superintending Chemist (Heavy Metal)  
P.H.E.D. Laboratory, Jaipur