

Test Report

|  |                                   |                             |                            |
|--|-----------------------------------|-----------------------------|----------------------------|
| Nature of sample :- Drinking Water Sample / Others   | Not sampled by State Research Lab | Unique Identification No. " | -                          |
| <b>Sender's name and address</b><br><b>To,</b><br><b>ST XAVIERS SR.SEC. CO-ED</b><br><b>SCHOOL C- SECTOR BERKHERA</b><br><b>B.H.E.L BHOPAL</b> | Sender's letter no.               | -                           | Sender's letter Date       |
|  | SRL Ref. No                       | -                           | SRL receipt date           |
|  | Date of analysis started          | 17/04/26                    | Date of analysis completed |
|  | Quantity Of sample                | Ok                          |                            |

Sample details

| No. | Particulars of Samples |
|-----|------------------------|
| 1   | R O WATER SAMPLE       |

RESULTS

| Field.. Testing | Discipline..Chemical                       | Group..Water   | Sub. Group..Drinking Water                |                      |         |   |   |   |   |
|-----------------|--|--|---|----------------------|---------|---|---|---|---|
| No.             | Characteristics/ Unit                      | test methods   | BIS -10500:2012<br>Reaffirmed in Sep 2022 |                      | Results |   |   |   |   |
|                 |  |  | Desirable<br>Limit                        | Permissible<br>Limit | 1       | 2 | 3 | 4 | 5 |
| 1               | 2  | 3  | 4   | 5                    | 1       | 2 | 3 | 4 | 5 |
| 1               | Colour in Hazen scale                      | -  | 5   | 15                   | BDL     | - | - | - | - |
| 2               | Iron as Fe mg/l                            | APHA 24 <sup>th</sup> edition, 3500-Fe B               | 1.0                                       | 1.0                  | 0.1     | - | - | - | - |
| 3               | Nitrate as NO <sub>3</sub> mg/l            | APHA 24 <sup>th</sup> edition, 4500 NO <sub>3</sub> -B | 45  | 45                   | 2.0     | - | - | - | - |
| 4               | Fluoride as F mg/l                         | APHA 24 <sup>th</sup> edition, 4500-F-C                | 1.0                                       | 1.5                  | 0.15    | - | - | - | - |
| 5               | Chloride as Cl mg/l                        | APHA 24 <sup>th</sup> edition, 4500 Cl-B               | 250                                       | 1000                 | 12.5    | - | - | - | - |
| 6               | Total Alkalinity as CaCO <sub>3</sub> mg/l | APHA 24 <sup>th</sup> edition, 2320 B                  | 200                                       | 600                  | 40      | - | - | - | - |
| 7               | Calcium as Ca <sup>++</sup> mg/l           | APHA 24 <sup>th</sup> edition, 3500 Ca-B               | 75  | 200                  | 16.8    | - | - | - | - |
| 8               | Magnesium as Mg <sup>++</sup> mg/l         | APHA 24 <sup>th</sup> edition, 3500 Mg-                | 30  | 100                  | 6.72    | - | - | - | - |
| 9               | Sulphate as SO <sub>4</sub> mg/l           | BIS:3025 (Part -24 )                                   | 200                                       | 400                  | 4.86    | - | - | - | - |
| 10              | pH pH Value at 25°C                        | APHA 24 <sup>th</sup> edition 4500-H + B               | 6.5 to 8.5                                | 6.5 to 8.5           | 7.86    | - | - | - | - |
| 11              | Turbidity in NTU                           | APHA 24 <sup>th</sup> edition, 2130 B                  | 1.0                                       | 5.0                  | 1.0     | - | - | - | - |
| 12              | Total hardness as CaCO <sub>3</sub> mg/l   | APHA 24 <sup>th</sup> edition, 2340 C                  | 200                                       | 600                  | 70      | - | - | - | - |
| 13              | Conductivity at 25°C (S/m)                 | APHA 24 <sup>th</sup> edition, 2510 B                  | -   | -                    | 181     | - | - | - | - |
| 14              | TDS By meter mg/l                          | APHA 24 <sup>th</sup> edition, 2510 B                  | 500                                       | 2000                 | 107     | - | - | - | - |
| 15              | Manganese as Mg/l                          | Mn APHA 24 <sup>th</sup> edition 3500-mn-B             | 0.1                                       | 0.3                  | BDL     | - | - | - | - |
| 16              | Ecoli                                      | APHA 24 <sup>th</sup> edition, 9223 B                  | NIL                                       | NIL                  | NIL     | - | - | - | - |

1. This report should not be produced partly or full without approval of signatory authority for legal purposes.-
2. It is recommended that acceptable limit is to be implemented. Values in excess of those mentioned under "acceptable" render the water not suitable, but still may be tolerated in the absence of an alternative source but upto the limits indicated under the "permissible limit in the absence of alternate source" in column 4, above which the sources will have to be rejected.
3. The results refer only to tested samples and parameters tested
4. Samples will be stored for a period of 15 days from the date of issue of report.
5. This lab does not hold any responsibility for variation in results for samples kept on hold for want of clarification.

Reviewed By

(Sachin Yadav)  
 Quality Manager  
**STATE RESEARCH LABORATORY**  
 P. H. E. DEPARTMENT BHOPAL

Issue No. Q /S.R.L./PHED/BPL /2026 Issue Date 22/4/26