

NABL  
DISTRICT WATER TESTING LABORATORY  
PUBLIC HEALTH ENGINEERING DEPARTMENT MORENA

| CUSTOMER NAME :-                                                  |        | ANALYSIS REPORT                      |              |          |                             |                |        |
|-------------------------------------------------------------------|--------|--------------------------------------|--------------|----------|-----------------------------|----------------|--------|
| श्री शिव प्रजापति / श्री पवन कुमार वाफर्निय जेमिस्ट. DWT L मुरैना |        |                                      |              |          |                             |                |        |
| S. No.                                                            | Block  | Panchayat                            | Village Name | Location | Sample Qty                  | Sample Packing | Source |
| 1                                                                 | मुरैना | Shri Ram International Public School | Beemohar     | 1/1/22   | Acceptable / Not acceptable | Tube           |        |
| 2                                                                 |        |                                      |              |          | Acceptable / Not acceptable | Roach          |        |
| 3                                                                 |        |                                      |              |          | Acceptable / Not acceptable |                |        |
| 4                                                                 |        |                                      |              |          | Acceptable / Not acceptable |                |        |
| 5                                                                 |        |                                      |              |          | Acceptable / Not acceptable |                |        |

PARTICULARS TO BE FILLED IN THE LABORATORY

Date of Receipt :- 15/04/2025      Time of Receipt :- 10:45 AM

Date of Analysis Started :- 15/04/2025      Date of Analysis Completed :- 15/04/2025

UID/Sample No. :- P-598, P-599

NATURE OF STUDY - CHEMICAL ANALYSIS

| No | Characteristics                                     | Test Method                      | Unit    | AS Per BIS - 10500:2012 & Amendment sep.2018 for Drinking water |                                                      | Results          |           |           |   |   |
|----|-----------------------------------------------------|----------------------------------|---------|-----------------------------------------------------------------|------------------------------------------------------|------------------|-----------|-----------|---|---|
|    |                                                     |                                  |         | Requirement (Desirable limit)                                   | Permissible limit in the absence of Alternate source | 1                | 2         | 3         | 4 | 5 |
| 1  | Taste                                               | IS 3025 RA 2017                  | Part 8  | -                                                               | Objectionable                                        | Un Objectionable | Unobj     | Unobj     |   |   |
| 2  | Odour                                               | IS 3025 RA 2018                  | Part 5  | -                                                               | Agreeable                                            | Un Agreeable     | Agreeable | Agreeable |   |   |
| 3  | Colour in                                           | IS 3025 RA 2019                  | Part 26 | Hazen scale                                                     | 5                                                    | 15               | 5.0       | 0.0       |   |   |
| 4  | Iron (Fe)                                           | -                                | -       | Mg/l                                                            | 0.3                                                  | 1.0              | 0.0       | 0.0       |   |   |
| 5  | Nitrate (NO <sub>3</sub> )                          | -                                | -       | Mg/l                                                            | 45.0                                                 | 45.0             | 0.0       | 0.0       |   |   |
| 6  | Arsenic (As)                                        | -                                | -       | Mg/l                                                            | 0.01                                                 | 0.05             | 0.0       | 0.0       |   |   |
| 7  | Fluoride (F)                                        | -                                | -       | Mg/l                                                            | 1.0                                                  | 1.5              | 0.0       | 0.0       |   |   |
| 8  | Chloride as Cl                                      | IS 3025 RA 2019                  | Part 32 | Mg/l                                                            | 250                                                  | 1000             | 64.10     | 30.88     |   |   |
| 9  | TDS By Meter                                        | APHA 23 <sup>nd</sup> 2510 B     | Edition | Mg/l                                                            | 500                                                  | 2000             | 492       | 128       |   |   |
| 10 | Total Alkalinity as Na <sub>2</sub> CO <sub>3</sub> | IS 3025 RA 2019                  | Part 23 | Mg/l                                                            | 200                                                  | 600              | 408       | 212       |   |   |
| 11 | Total Hardness as CaCO <sub>3</sub>                 | IS 3025 RA 2019                  | Part 21 | Mg/l                                                            | 200                                                  | 600              | 298       | 160       |   |   |
| 12 | Calcium Hardness                                    | -                                | -       | Mg/l                                                            | -                                                    | -                | 76        | 32        |   |   |
| 13 | Magnesium Hardness                                  | -                                | -       | Mg/l                                                            | -                                                    | -                | 222       | 128       |   |   |
| 14 | Calcium as Ca                                       | IS 3025 RA 2019                  | Part 40 | Mg/l                                                            | 75                                                   | 200              | 30.40     | 12.80     |   |   |
| 15 | Magnesium as Mg                                     | IS 3025 RA 2019                  | Part 46 | Mg/l                                                            | 30                                                   | 100              | 53.28     | 30.72     |   |   |
| 16 | Residual Chlorine                                   | IS 3025 RA 2019                  | Part 26 | Mg/l                                                            | 0.2                                                  | 1.0              | 0.0       | 0.0       |   |   |
| 17 | Sulphate                                            | -                                | -       | Mg/l                                                            | 200                                                  | 400              | 28.44     | 10.18     |   |   |
| 18 | Manganese                                           | -                                | -       | Mg/l                                                            | 0.1                                                  | 0.3              | 0.0       | 0.0       |   |   |
| 19 | pH                                                  | APHA 23 <sup>nd</sup> 4500-H + B | Edition | pH scale                                                        | 6.5 to 8.5                                           | 6.5 to 8.5       | 6.92      | 7.12      |   |   |
| 20 | Turbidity in                                        | APHA 23 <sup>nd</sup> 2130 B     | Edition | NTU                                                             | 1.0                                                  | 5.0              | 2.5       | 0.0       |   |   |
| 21 | Faecal Coliform (TTC) E.Coli                        | -                                | -       | -                                                               | -                                                    | -                | 0.0       | 0.0       |   |   |
| 22 | Total Coliform (per 100 ml)                         | -                                | -       | -                                                               | -                                                    | -                | -         | -         |   |   |
| 23 | Conductivity at 25°C                                | APHA 23 <sup>nd</sup> 2510 B     | Edition | Micromhos /cm                                                   | -                                                    | -                | 820       | 213       |   |   |

Remark :- उक्त जल नमूने BIS-10500 के अनुसार अपनी निर्धारित सीमा में पाये गये हैं,

Quality Manager  
Public Health Engineering Department  
District Water Testing Laboratory  
Morena (M.P.)

Assistant Engineer  
Public Health Engineering Department  
Sub-division Morena (M.P.)