

**BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL**  
**CENTRAL ZONE BENCH, BHOPAL**  
**EA No. 09/2025(CZ) in OA No. 98/2024(CZ)**

**IN THE MATTER OF:**

**SALEEM MOHAMMAD BHAGWAN**

**.... APPLICANT**

**VERSUS**

**STATE OF M.P & ORS**

**.... RESPONDENTS**

**INDEX**

| <b>SR.</b> | <b>PARTICULARS</b>  | <b>ANNEXURE</b> | <b>PAGE</b> |
|------------|---|-----------------|-------------|
| 1.         | Water quality analysis report on behalf of Madhya Pradesh Pollution Control Board in compliance of order dated 02.04.2026 |                 | 1-3         |
| 2.         | Water Quality Analysis Reports of the drinking water supply made by the Municipal Corporation, Ratlam.                    | A-1             |             |

Date: 30.04.2026

Place: Bhopal

**Submitted by MPPCB: -**

**through Counsel**



**Adv. Parul Bhadoria**

**Ph. No.: (+91)-8085977111;**

**Email: [parul.bhadoria04@gmail.com](mailto:parul.bhadoria04@gmail.com)**

**BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL**  
**CENTRAL ZONE BENCH, BHOPAL**  
**EA No. 09/2025(CZ) in OA No. 98/2024(CZ)**

**IN THE MATTER OF:**

**SALEEM MOHAMMAD BHAGWAN**

**.... APPLICANT**

**VERSUS**

**STATE OF M.P & ORS**

**.... RESPONDENTS**

**WATER QUALITY ANALYSIS REPORT ON BEHALF OF MADHYA**  
**PRADESH POLLUTION CONTROL BOARD IN COMPLIANCE OF**  
**ORDER DATED 16.02.2026**

The answering respondent most humbly submits that:

1. That the present issue involved in the present Execution Application is implementation/execution of the order dated 02.08.2024 passed by the Hon'ble Tribunal in O.A. No.98/2024(CZ), whereby the Respondent No.5 - Municipal Corporation, Ratlam/State Authority were directed to make arrangements of drinkable water immediately within the city of Ratlam.
2. That Hon'ble National Green Tribunal vide its order dated 16.02.2026 had directed the respondent Board to conduct water sampling testing from various areas in Ratlam city and submits the water quality analysis report.
3. That in compliance of the order passed by the Hon'ble Tribunal the respondent Board had collected a total no. of Thirty Eight (38) water samples from various wards of Ratlam city on March 24, 2026, during the drinking water supply made by the Municipal Corporation, Ratlam.

4. That the water quality analysis of the samples was conducted in the Regional laboratory of MPPCB, Regional office, Ujjain. The results of all the collected samples were found within prescribed limit as per Indian Standard Drinking water — Specification ( Second Revision ) IS 10500 : 2012. The analysis reports are enclosed collectively as **Annexure A-1.**
  
5. That the present water quality analysis report may be taken on record.

Date: 30.04.2026  
Place: Bhopal

Submitted by MPPCB:-  
through Counsel

A handwritten signature in blue ink that reads "Parul" followed by a stylized vertical line and a horizontal crossbar.

**Adv. Parul Bhadoria**  
**Ph. No.: (+91)-8085977111;**  
**Email: parul.bhadoria04@gmail.com**

दिनांक 24.03.2026 को रतलाम के विभिन्न वार्ड में जल प्रदाय के दौरान एकत्रित जल नमूनों के विश्लेषण परिणाम

As per Hon'ble NGT Case EA No. 09/2025(CZ) in O.A. No. 98/2024(CZ)

| S.No. | Characteristic                           | Unit      | Requirement (Acceptable Limit)               | Permissible in the Absence of Alternate Source | श्रीमति यशोदा मीणा मकान नं. 57, गांधी नगर रतलाम (वार्ड कमाक 01) | श्री घन सिंह पाटील मकान नं. 3/241 पीएनटी कॉलोनी रतलाम (वार्ड कमाक 02) | श्री अब्दुल सत्तार मकान नं. 293 सी जवाहर नगर रतलाम (वार्ड कमाक 03) | श्रीमति सरोज कोटिया मकान नं. देवरा देवनारायण कॉलोनी रतलाम (वार्ड कमाक 04) | श्रीमति छगन बाई यादव मकान नं. 46 महेश नगर रतलाम (वार्ड कमाक 05) |
|-------|--|-----------|--|--|---|---|--|---|---|
| 1     | pH                                       | pH Unit   | 6.5-8.5                                      | No relaxation                                  | 7.83  | 7.71  | 7.64   | 7.82  | 7.61  |
| 2     | Turbidity                                | NTU       | 1  | 5  | 0.4   | 0.3   | 0.3  | 0.4   | 0.5   |
| 3     | Total Dissolved Solids                   | mg/l      | 500  | 2000   | 234   | 230   | 212  | 232   | 236   |
| 4     | Chloride as Cl                           | mg/l      | 250  | 1000   | 22  | 26  | 21   | 24  | 26  |
| 5     | Total Alkalinity as CaCO <sub>3</sub>    | mg/l      | 200  | 600  | 160   | 150   | 150  | 154   | 160   |
| 6     | Total Hardness as CaCO <sub>3</sub>      | mg/l      | 200  | 600  | 156   | 128   | 120  | 124   | 134   |
| 7     | Calcium as (Ca)                          | mg/l      | 75   | 200  | 40.8  | 33.6  | 30.4   | 28  | 32  |
| 8     | Magnesium as (Mg)                        | mg/l      | 30   | 100  | 13.12   | 10.69   | 10.69  | 13.12   | 13.12   |
| 9     | Ammonical Nitrogen as NH <sub>3</sub> -N | mg/l      | 0.5  | No relaxation                                  | BDL   | BDL   | BDL  | BDL   | BDL   |
| 10    | Nitrite as NO <sub>2</sub> -N            | mg/l      | --   | --   | BDL   | BDL   | BDL  | BDL   | BDL   |
| 11    | Nitrate as NO <sub>3</sub>               | mg/l      | 45   | No relaxation                                  | 0.53  | 0.97  | 1.0  | 0.93  | 1.1   |
| 12    | Phosphate as PO <sub>4</sub> -P          | mg/l      | --   | --   | BDL   | BDL   | BDL  | BDL   | BDL   |
| 13    | Sulphate as SO <sub>4</sub>              | mg/l      | 200  | 400  | 6.8   | 6.2   | 6.4  | 5.88  | 5.96  |
| 14    | Total Coliform                           | MPN/100ml | Shall not be detectable in any 100 ml sample |  | <1.8  | <1.8  | <1.8   | <1.8  | <1.8  |
| 15    | Fecal Coliform                           | MPN/100ml | --   | --   | <1.8  | <1.8  | <1.8   | <1.8  | <1.8  |

Indian Standard Drinking Water Specification (Second Revision) IS 10500 : 2012

BDL- Below Detectable Limit

  
(Laboratory In-Charge)

दिनांक 24.03.2026 को रतलाम के विभिन्न वार्ड में जल प्रदूषण के 227 दौरान एकत्रित जल नमूनों के विश्लेषण परिणाम

As per Hon'ble NGT Case EA No. 09/2025(CZ) in O.A. No. 98/2024(CZ)

| S.No. | Characteristic                           | Unit      | Requirement (Acceptable Limit)     | Permissible in the Absence of Alternate Source | श्री देवेन्द्र प्रताप जी मकान नं. बी-10 अलकापुरी रतलाम (वार्ड कमाक 07) | श्री नवलखा जी मकान नं. 399 शक्ति नगर रतलाम (वार्ड कमाक 09) | श्री जगदीश बोरासी मकान नं. 24 गणेश नगर रतलाम (वार्ड कमाक 10) | श्री अमजद खॉन मकान नं. 218 मोहन नगर रतलाम (वार्ड कमाक 11) | श्री बाबुलाल जी चाय की दुकान के पास कस्तूरबा नगर रतलाम (वार्ड कमाक 12) |
|-------|--|-----------|------------------------------------|--|--|--|--|---|--|
| 1     | pH                                       | pH Unit   | 6.5-8.5                            | No relaxation                                  | 7.72   | 7.15   | 7.89   | 7.83  | 7.79   |
| 2     | Turbidity                                | NTU       | 1                                  | 5  | 0.2  | 0.3  | 0.4  | 0.3   | 0.4  |
| 3     | Total Dissolved Solids                   | mg/l      | 500                                | 2000   | 238  | 232  | 226  | 228   | 216  |
| 4     | Chloride as Cl                           | mg/l      | 250                                | 1000   | 24   | 28   | 21   | 24  | 22   |
| 5     | Total Alkalinity as CaCO <sub>3</sub>    | mg/l      | 200                                | 600  | 160  | 158  | 152  | 158   | 154  |
| 6     | Total Hardness as CaCO <sub>3</sub>      | mg/l      | 200                                | 600  | 150  | 168  | 160  | 166   | 162  |
| 7     | Calcium as (Ca)                          | mg/l      | 75                                 | 200  | 36   | 44   | 32.8   | 34.4  | 33.6   |
| 8     | Magnesium as (Mg)                        | mg/l      | 30                                 | 100  | 14.58  | 14   | 18.95  | 19.44   | 18.95  |
| 9     | Ammonical Nitrogen as NH <sub>3</sub> -N | mg/l      | 0.5                                | No relaxation                                  | BDL  | BDL  | BDL  | BDL   | BDL  |
| 10    | Nitrite as NO <sub>2</sub> - -N          | mg/l      | --                                 | --   | BDL  | BDL  | BDL  | BDL   | BDL  |
| 11    | Nitrate as NO <sub>3</sub>               | mg/l      | 45                                 | No relaxation                                  | 0.84   | 1.0  | 1.19   | 0.84  | 0.93   |
| 12    | Phosphate as PO <sub>4</sub> -P          | mg/l      | --                                 | --   | BDL  | BDL  | BDL  | BDL   | BDL  |
| 13    | Sulphate as SO <sub>4</sub>              | mg/l      | 200                                | 400  | 6.16   | 6.20   | 6.32   | 5.16  | 6.19   |
| 14    | Total Coliform                           | MPN/100ml | Shall not be detectable in any 100 |  | <1.8   | <1.8   | <1.8   | <1.8  | <1.8   |
| 15    | Fecal Coliform                           | MPN/100ml | --                                 | --   | <1.8   | <1.8   | <1.8   | <1.8  | <1.8   |

Indian Standard Drinking Water Specification (Second Revision) IS 10500 : 2012

BDL- Below Detectable Limit

  
(Laboratory In-Charge)

दिनांक 24.03.2026 को रतलाम के विभिन्न वार्ड में जल प्रदाय के दौरान एकत्रित जल नमूनों के विश्लेषण परिणाम

As per Hon'ble NGT Case EA No. 09/2025(CZ) in O.A. No. 98/2024(CZ)

| S.No. | Characteristic                           | Unit      | Requirement (Acceptable Limit)     | Permissible in the Absence of Alternate Source | रनजीत हनुमान मंदिर सार्वजनिक नल जवाहर नगर रतलाम (वार्ड क्रमांक 13) | श्री अनिल पेंडसे मकान नं. 525 काटजू नगर रतलाम (वार्ड क्रमांक 14) | श्री इरसाद अली सुभाष नगर रतलाम (वार्ड क्रमांक 15) | श्री कैलाश जी मकान नं. 202 राजेन्द्र नगर रतलाम (वार्ड क्रमांक 16) | श्री दिनेश जी नायक नमो नमकीन, टाटा नगर रतलाम (वार्ड क्रमांक 17) |
|-------|--|-----------|------------------------------------|--|--|--|---|---|---|
| 1     | pH                                       | pH Unit   | 6.5-8.5                            | No relaxation                                  | 7.71   | 7.86   | 7.72  | 7.75  | 7.82  |
| 2     | Turbidity                                | NTU       | 1                                  | 5  | 0.2  | 0.4  | 0.2   | 0.5   | 0.3   |
| 3     | Total Dissolved Solids                   | mg/l      | 500                                | 2000   | 232  | 226  | 238   | 240   | 238   |
| 4     | Chloride as Cl                           | mg/l      | 250                                | 1000   | 20   | 24   | 26  | 21  | 28  |
| 5     | Total Alkalinity as CaCO <sub>3</sub>    | mg/l      | 200                                | 600  | 150  | 158  | 160   | 158   | 166   |
| 6     | Total Hardness as CaCO <sub>3</sub>      | mg/l      | 200                                | 600  | 148  | 164  | 152   | 172   | 158   |
| 7     | Calcium as (Ca)                          | mg/l      | 75                                 | 200  | 28   | 30.44  | 36.8  | 35.2  | 31.2  |
| 8     | Magnesium as (Mg)                        | mg/l      | 30                                 | 100  | 18.0   | 18.95  | 14.58   | 20.4  | 19.44   |
| 9     | Ammonical Nitrogen as NH <sub>3</sub> -N | mg/l      | 0.5                                | No relaxation                                  | 95   | BDL  | BDL   | BDL   | BDL   |
| 10    | Nitrite as NO <sub>2</sub> - -N          | mg/l      | --                                 | --   | BDL  | BDL  | BDL   | BDL   | BDL   |
| 11    | Nitrate as NO <sub>3</sub>               | mg/l      | 45                                 | No relaxation                                  | 0.79   | 0.66   | 1.0   | 0.7   | 1.19  |
| 12    | Phosphate as PO <sub>4</sub> --P         | mg/l      | --                                 | --   | BDL  | BDL  | BDL   | BDL   | BDL   |
| 13    | Sulphate as SO <sub>4</sub>              | mg/l      | 200                                | 400  | 6.27   | 5.92   | 5.86  | 6.32  | 6.17  |
| 14    | Total Coliform                           | MPN/100ml | Shall not be detectable in any 100 |  | <1.8   | <1.8   | <1.8  | <1.8  | <1.8  |
| 15    | Fecal Coliform                           | MPN/100ml | --                                 | --   | <1.8   | <1.8   | <1.8  | <1.8  | <1.8  |

Indian Standard Drinking Water Specification (Second Revision) IS 10500 : 2012

BDL- Below Detectable Limit

  
(Laboratory In-Charge)

दिनांक 24.03.2026 को रतलाम के विभिन्न वार्ड में जल प्रदाय के दौरान एकत्रित जल नमूनों के विश्लेषण परिणाम

As per Hon'ble NGT Case EA No. 09/2025(CZ) in O.A. No. 98/2024(CZ)

| S.No. | Characteristic                           | Unit      | Requirement (Acceptable Limit)     | Permissible in the Absence of Alternate Source | श्री संजय सिंह कौशल टाटा नगर जैन स्कूल रतलाम (वार्ड क्रमांक 18) | श्री कुलदीप जी राठौर हिम्मत नगर रतलाम (वार्ड क्रमांक 19) | श्री ईश्वर सिंह पंवार मकान नं. 307 दीनदयाल नगर रतलाम (वार्ड क्रमांक 20) | श्री राहुल परिहार मकान नं. 148 खीन बावडी रतलाम (वार्ड क्रमांक 21) | श्री कृष्णा जी मोती नगर रतलाम (वार्ड क्रमांक 22) |
|-------|--|-----------|------------------------------------|--|---|--|---|---|--|
| 1     | pH                                       | pH Unit   | 6.5-8.5                            | No relaxation                                  | 7.73  | 7.79   | 7.62  | 7.74  | 7.43   |
| 2     | Turbidity                                | NTU       | 1                                  | 5  | 0.4   | 0.2  | 0.4   | 0.3   | 0.4  |
| 3     | Total Dissolved Solids                   | mg/l      | 500                                | 2000   | 232   | 230  | 236   | 256   | 274  |
| 4     | Chloride as Cl                           | mg/l      | 250                                | 1000   | 26  | 24   | 21  | 27  | 28   |
| 5     | Total Alkalinity as CaCO <sub>3</sub>    | mg/l      | 200                                | 600  | 164   | 158  | 162   | 154   | 172  |
| 6     | Total Hardness as CaCO <sub>3</sub>      | mg/l      | 200                                | 600  | 152   | 146  | 150   | 166   | 158  |
| 7     | Calcium as (Ca)                          | mg/l      | 75                                 | 200  | 28.8  | 25.6   | 28.8  | 30.44   | 36   |
| 8     | Magnesium as (Mg)                        | mg/l      | 30                                 | 100  | 19.44   | 19.92  | 18.95   | 19.44   | 16.52  |
| 9     | Ammonical Nitrogen as NH <sub>3</sub> -N | mg/l      | 0.5                                | No relaxation                                  | BDL   | BDL  | BDL   | BDL   | BDL  |
| 10    | Nitrite as NO <sub>2</sub> - -N          | mg/l      | --                                 | --   | BDL   | BDL  | BDL   | BDL   | BDL  |
| 11    | Nitrate as NO <sub>3</sub>               | mg/l      | 45                                 | No relaxation                                  | 0.97  | 0.75   | 1.1   | 1.0   | 1.15   |
| 12    | Phosphate as PO <sub>4</sub> --P         | mg/l      | --                                 | --   | BDL   | BDL  | BDL   | BDL   | BDL  |
| 13    | Sulphate as SO <sub>4</sub>              | mg/l      | 200                                | 400  | 5.94  | 6.15   | 6.19  | 6.86  | 5.92   |
| 14    | Total Coliform                           | MPN/100ml | Shall not be detectable in any 100 |  | <1.8  | <1.8   | <1.8  | <1.8  | <1.8   |
| 15    | Fecal Coliform                           | MPN/100ml | --                                 | --   | <1.8  | <1.8   | <1.8  | <1.8  | <1.8   |

Indian Standard Drinking Water Specification (Second Revision) IS 10500 : 2012

BDL- Below Detectable Limit

  
(Laboratory In-Charge)

**230**

दिनांक 24.03.2026 को रतलाम के विभिन्न वार्ड में जल प्रदाय के दौरान एकत्रित जल नमूनों के विश्लेषण परिणाम  
As per Hon'ble NGT Case EA No. 09/2025(CZ) in O.A. No. 98/2024(CZ)

| S.No. | Characteristic                           | Unit      | Requirement (Acceptable Limit)     | Permissible in the Absence of Alternate Source | श्री गोवर्धनलाल जी मकान नं. 30 रामगढ तेलीयों की सड़क रतलाम (वार्ड कमाक 23) | श्री सलाउद्दीन जी मकान नं. 82 हरमाल रोड रतलाम (वार्ड कमाक 24 ) | श्री हरिलाल जी माटी मकान नं. 51 माली कुआ रतलाम (वार्ड कमाक 25) | श्री मुरली घवई रत्नेश्वर रोड रतलाम (वार्ड कमाक 26) | श्री इस्तफार अहमद मकान नं. 14 वसीम भाई वार्ड रतलाम (वार्ड कमाक 27) |
|-------|--|-----------|------------------------------------|--|--|--|--|--|--|
| 1     | pH                                       | pH Unit   | 6.5-8.5                            | No relaxation                                  | 7.62   | 7.48   | 7.56   | 7.64   | 7.76   |
| 2     | Turbidity                                | NTU       | 1                                  | 5  | 0.3  | 0.3  | 0.5  | 0.4  | 0.2  |
| 3     | Total Dissolved Solids                   | mg/l      | 500                                | 2000   | 234  | 238  | 242  | 232  | 228  |
| 4     | Chloride as Cl                           | mg/l      | 250                                | 1000   | 22   | 26   | 24   | 25   | 24   |
| 5     | Total Alkalinity as CaCO <sub>3</sub>    | mg/l      | 200                                | 600  | 164  | 164  | 160  | 162  | 160  |
| 6     | Total Hardness as CaCO <sub>3</sub>      | mg/l      | 200                                | 600  | 172  | 168  | 168  | 158  | 170  |
| 7     | Calcium as (Ca)                          | mg/l      | 75                                 | 200  | 35.2   | 32.8   | 36   | 32   | 32   |
| 8     | Magnesium as (Mg)                        | mg/l      | 30                                 | 100  | 20.4   | 20.8   | 18.95  | 18.95  | 21.8   |
| 9     | Ammonical Nitrogen as NH <sub>3</sub> -N | mg/l      | 0.5                                | No relaxation                                  | BDL  | BDL  | BDL  | BDL  | BDL  |
| 10    | Nitrite as NO <sub>2</sub> - -N          | mg/l      | --                                 | --   | BDL  | BDL  | BDL  | BDL  | BDL  |
| 11    | Nitrate as NO <sub>3</sub>               | mg/l      | 45                                 | No relaxation                                  | 0.79   | 1.0  | 0.84   | 0.93   | 0.97   |
| 12    | Phosphate as PO <sub>4</sub> --P         | mg/l      | --                                 | --   | BDL  | BDL  | BDL  | BDL  | BDL  |
| 13    | Sulphate as SO <sub>4</sub>              | mg/l      | 200                                | 400  | 5.17   | 5.84   | 5.92   | 5.88   | 6.33   |
| 14    | Total Coliform                           | MPN/100ml | Shall not be detectable in any 100 |  | <1.8   | <1.8   | <1.8   | <1.8   | <1.8   |
| 15    | Fecal Coliform                           | MPN/100ml | --                                 | --   | <1.8   | <1.8   | <1.8   | <1.8   | <1.8   |

Indian Standard Drinking Water Specification (Second Revision) IS 10500 : 2012  
BDL- Below Detectable Limit

  
(Laboratory In-Charge)

दिनांक 24.03.2026 को रतलाम के विभिन्न वार्ड में जल प्रदाय के दौरान एकत्रित जल नमूनों के विश्लेषण परिणाम

As per Hon'ble NGT Case EA No. 09/2025(CZ) in O.A. No. 98/2024(CZ)

| S.No. | Characteristic                           | Unit      | Requirement (Acceptable Limit)     | Permissible in the Absence of Alternate Source | श्री सोहनलाल मकान नं. 61 राजीव नगर रतलाम (वार्ड क्रमांक 28) | श्री जगदीश सिंह मकान नं. 01 प्रताप नगर रतलाम (वार्ड क्रमांक 29) | श्री हरीश नैवानी मकान नं. 71 महावीर नगर रतलाम (वार्ड क्रमांक 30) | श्रीमति रचना केतवास रामेश्वर मंदिर के पास रतलाम (वार्ड क्रमांक 31) | श्री जयश पंड्या मकान नं. 01 सैलाना बस स्टैण्ड रतलाम (वार्ड क्रमांक 33) |
|-------|--|-----------|------------------------------------|--|---|---|--|--|--|
| 1     | pH                                       | pH Unit   | 6.5-8.5                            | No relaxation                                  | 7.58  | 7.62  | 7.79   | 7.73   | 7.66   |
| 2     | Turbidity                                | NTU       | 1                                  | 5  | 0.4   | 0.3   | 0.5  | 0.2  | 0.4  |
| 3     | Total Dissolved Solids                   | mg/l      | 500                                | 2000   | 236   | 234   | 228  | 232  | 240  |
| 4     | Chloride as Cl                           | mg/l      | 250                                | 1000   | 24  | 23  | 25   | 24   | 27   |
| 5     | Total Alkalinity as CaCO <sub>3</sub>    | mg/l      | 200                                | 600  | 158   | 132   | 160  | 158  | 168  |
| 6     | Total Hardness as CaCO <sub>3</sub>      | mg/l      | 200                                | 600  | 130   | 136   | 124  | 148  | 138  |
| 7     | Calcium as (Ca)                          | mg/l      | 75                                 | 200  | 31.2  | 28  | 32   | 32   | 30.44  |
| 8     | Magnesium as (Mg)                        | mg/l      | 30                                 | 100  | 12.6  | 16  | 10.69  | 16.52  | 12.6   |
| 9     | Ammonical Nitrogen as NH <sub>3</sub> -N | mg/l      | 0.5                                | No relaxation                                  | BDL   | BDL   | BDL  | BDL  | BDL  |
| 10    | Nitrite as NO <sub>2</sub> - -N          | mg/l      | --                                 | --   | BDL   | BDL   | BDL  | BDL  | BDL  |
| 11    | Nitrate as NO <sub>3</sub>               | mg/l      | 45                                 | No relaxation                                  | 0.79  | 0.88  | 1.0  | 1.24   | 1.1  |
| 12    | Phosphate as PO <sub>4</sub> --P         | mg/l      | --                                 | --   | BDL   | BDL   | BDL  | BDL  | BDL  |
| 13    | Sulphate as SO <sub>4</sub>              | mg/l      | 200                                | 400  | 6.42  | 6.27  | 6.82   | 6.64   | 6.57   |
| 14    | Total Coliform                           | MPN/100ml | Shall not be detectable in any 100 |  | <1.8  | <1.8  | <1.8   | <1.8   | <1.8   |
| 15    | Fecal Coliform                           | MPN/100ml | --                                 | --   | <1.8  | <1.8  | <1.8   | <1.8   | <1.8   |

Indian Standard Drinking Water Specification (Second Revision) IS 10500 : 2012

BDL- Below Detectable Limit

  
(Laboratory In-Charge)

दिनांक 24.03.2026 को रतलाम के विभिन्न वार्ड में जल प्रदाय के दौरान एकत्रित जल नमूनों के विश्लेषण परिणाम

As per Hon'ble NGT Case EA No. 09/2025(CZ) in O.A. No. 98/2024(CZ)

| S.No. | Characteristic                           | Unit      | Requirement (Acceptable Limit)     | Permissible in the Absence of Alternate Source | श्रीमति जरीना पति सलीम के घर के पास मोचियों की बस्ती रतलाम (वार्ड क्रमांक 35) | श्री मोहनजलाल राठीर मकान नं. 05 छत्रीपुल रतलाम (वार्ड क्रमांक 36) | श्री कमलेश बड़ोदिया मकान नं. 28 वरीम माई वार्ड रतलाम (वार्ड क्रमांक 37) | श्री बालकृष्ण पिता कातिलाल मकान नं. 12, हकीमबाडा रतलाम (वार्ड क्रमांक 38) | श्री प्रकाश संघवी मकान नं. 06 नजरबाग बैंक कॉलोनी रतलाम (वार्ड क्रमांक 39) |
|-------|--|-----------|------------------------------------|--|---|---|---|---|---|
| 1     | pH                                       | pH Unit   | 6.5-8.5                            | No relaxation                                  | 7.71  | 7.77  | 7.69  | 7.67  | 7.66  |
| 2     | Turbidity                                | NTU       | 1                                  | 5  | 0.5   | 0.4   | 0.3   | 0.4   | 0.5   |
| 3     | Total Dissolved Solids                   | mg/l      | 500                                | 2000   | 238   | 236   | 232   | 234   | 230   |
| 4     | Chloride as Cl                           | mg/l      | 250                                | 1000   | 25  | 25  | 26  | 26  | 24  |
| 5     | Total Alkalinity as CaCO <sub>3</sub>    | mg/l      | 200                                | 600  | 154   | 166   | 162   | 160   | 150   |
| 6     | Total Hardness as CaCO <sub>3</sub>      | mg/l      | 200                                | 600  | 132   | 140   | 170   | 148   | 130   |
| 7     | Calcium as (Ca)                          | mg/l      | 75                                 | 200  | 28.8  | 30.4  | 33.6  | 32  | 36  |
| 8     | Magnesium as (Mg)                        | mg/l      | 30                                 | 100  | 14.58   | 15.5  | 20.8  | 16.52   | 9.7   |
| 9     | Ammonical Nitrogen as NH <sub>3</sub> -N | mg/l      | 0.5                                | No relaxation                                  | BDL   | BDL   | BDL   | BDL   | BDL   |
| 10    | Nitrite as NO <sub>2</sub> - -N          | mg/l      | --                                 | --   | BDL   | BDL   | BDL   | BDL   | BDL   |
| 11    | Nitrate as NO <sub>3</sub>               | mg/l      | 45                                 | No relaxation                                  | 1.0   | 1.15  | 0.79  | 0.75  | 0.84  |
| 12    | Phosphate as PO <sub>4</sub> --P         | mg/l      | --                                 | --   | BDL   | BDL   | BDL   | BDL   | BDL   |
| 13    | Sulphate as SO <sub>4</sub>              | mg/l      | 200                                | 400  | 6.61  | 6.49  | 6.53  | 6.08  | 6.62  |
| 14    | Total Coliform                           | MPN/100ml | Shall not be detectable in any 100 |  | <1.8  | <1.8  | <1.8  | <1.8  | <1.8  |
| 15    | Fecal Coliform                           | MPN/100ml | --                                 | --   | <1.8  | <1.8  | <1.8  | <1.8  | <1.8  |

Indian Standard Drinking Water Specification (Second Revision) IS 10500 : 2012

BDL- Below Detectable Limit

  
(Laboratory In-Charge)

दिनांक 24.03.2026 को रतलाम के विभिन्न वार्ड में जल प्रदाय के दौरान एकत्रित जल नमूनों के विश्लेषण परिणाम  
As per Hon'ble NGT Case EA No. 09/2025(CZ) in O.A. No. 98/2024(CZ)

233

| S.No. | Characteristic                           | Unit      | Requirement (Acceptable Limit)     | Permissible in the Absence of Alternate Source | श्री रमेश सिंह राठौर मकान नं. 08 रिसाला गली रतलाम (वार्ड कमाक 40) | श्री रोहित सिंह चौहान मकान नं. 59 थावड़िया बाजार रतलाम (वार्ड कमाक 42 ) | श्रीमति कमला बाई पति कालुराम जी मकान नं. 04 आबकारी गली रतलाम (वार्ड कमाक 48) |
|-------|--|-----------|------------------------------------|--|---|---|--|
| 1     | pH                                       | pH Unit   | 6.5-8.5                            | No relaxation                                  | 7.64  | 7.61  | 7.59   |
| 2     | Turbidity                                | NTU       | 1                                  | 5  | 0.4   | 0.3   | 0.4  |
| 3     | Total Dissolved Solids                   | mg/l      | 500                                | 2000   | 232   | 228   | 230  |
| 4     | Chloride as Cl                           | mg/l      | 250                                | 1000   | 23  | 24  | 25   |
| 5     | Total Alkalinity as CaCO <sub>3</sub>    | mg/l      | 200                                | 600  | 154   | 178   | 156  |
| 6     | Total Hardness as CaCO <sub>3</sub>      | mg/l      | 200                                | 600  | 128   | 124   | 130  |
| 7     | Calcium as (Ca)                          | mg/l      | 75                                 | 200  | 36  | 31.2  | 35.2   |
| 8     | Magnesium as (Mg)                        | mg/l      | 30                                 | 100  | 9.2   | 11.17   | 10.2   |
| 9     | Ammonical Nitrogen as NH <sub>3</sub> -N | mg/l      | 0.5                                | No relaxation                                  | BDL   | BDL   | BDL  |
| 10    | Nitrite as NO <sub>2</sub> - -N          | mg/l      | --                                 | --   | BDL   | BDL   | BDL  |
| 11    | Nitrate as NO <sub>3</sub>               | mg/l      | 45                                 | No relaxation                                  | 0.97  | 0.79  | 1.0  |
| 12    | Phosphate as PO <sub>4</sub> --P         | mg/l      | --                                 | --   | BDL   | BDL   | BDL  |
| 13    | Sulphate as SO <sub>4</sub>              | mg/l      | 200                                | 400  | 5.74  | 5.81  | 5.96   |
| 14    | Total Coliform                           | MPN/100ml | Shall not be detectable in any 100 |  | <1.8  | <1.8  | <1.8   |
| 15    | Fecal Coliform                           | MPN/100ml | --                                 | --   | <1.8  | <1.8  | <1.8   |

Indian Standard Drinking Water Specification (Second Revision) IS 10500 : 2012  
BDL- Below Detectable Limit

  
(Laboratory In-Charge)