



State Level Water Testing Laboratory, Ranchi, Jharkhand

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|  | TEST ANALYSIS REPORT | Doc No.: SLWTL-QP-4-F31 Issue No.: 01 Revision No.: 01 Date :18.02.2022 |  |
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| Issued to: - Sachidanand Gyan Bharti Model school, 108, Kusai, Doranda, Namkum Road, Ranchi-834002. Sample No.: -01-R.O water. | Sample Code: - 250822-DW-A-001 ULR NO.: - TC152122500000847F(B) Date of Issue: - 29/08/2025 Customer Reference No.: - SLR/CLR/AUGUST -25/042 |
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| Sample Particulars | Details of Sampling |
|--|---|
| Sample Name/Description: - Drinking Water Sample Quantity: -1 Lit Sample pkg. Condition: - Good | Date of sampling: - N/A Sample Received date: - 22/08/2025 Sample collected by: - Customer Sampling Location: - Final Outlet |


Discipline: Chemical - Residues in Water

Test started on: - 22/08/2025 **Test completed on :-** 28/08/2025

| Sl. No. | Test Parameter | Unit | Results | Method | Specification as per BIS – 10500:2012 (Second Revision) Amendment – June 2015 | |
|---------|----------------|----------|---------|----------------------|---|--|
| | | | | | Acceptable Limit | Permissible Limit (In Absence of Alternate source) |
| 01 | Arsenic as As | µg/L max | BDL | IS 3025(part-2):2019 | 10 | No relaxation |

Remarks:- The submitted sample of water confirm to IS – 10500 with respect to above test.

- Specific contractual notes:** -
- The results listed refer only to the tested sample and applicable parameter.
 - This report, in full or in part, shall not be used for advertising or as evidence in any court of law.
 - This report can not be reproduced, except when in full, without the written permission of the Lab In-charge
 - Tested Sample shall be retained up to Fifteen Days from the date of issue of the certificate.
 - The liability of the laboratory is limited to the invoiced amount.
 - All disputes are subjected to the Ranchi Jurisdiction.
 - **NOTE:-**BDL=Below Detection Limit.


Authorised Signatory
(Technical Manager)



----End of the Report----

Technical Manager
 State Level Water Testing Laboratory
 D.W. & S. Deptt., Hinoo, Ranchi

Sachidanand Gyan Bharti Trust

Managing Trustee

State Level Water Testing Laboratory, Ranchi, Jharkhand

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|  TEST ANALYSIS REPORT | Doc No.: SLWTL-QP-4-F31 Issue No.: 01 Revision No.: 01 Date :18.02.2022 |  70-18219 |
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| Issued to: - Sachidanand Gyan Bharti Model school, 108, Kusai, Doranda, Namkum Road, Ranchi-834002. | Sample Code: - 250822-DW-A-001 ULR NO. : - TC15212250000847F(A) Date of Issue: - 29/08/2025 Customer Reference No. : - SLR/CLR/AUGUST -25/042 |
|--|--|

| Sample Particulars | Details of Sampling |
|--|--|
| Sample Name/Description: - Drinking Water. Sample Quantity: -1 Lit Sample pkg. Condition: - Good | Date of sampling : - N/A Sample Received date: - 22/08/2025 Sample collected by: - Customer Sampling Location: - Final Outlet |

| Discipline: Chemical | | | | | 28/08/2025 | |
|----------------------|---------------------------------------|------------|-----------|---|---|--|
| Test started on: - | | 22/08/2025 | | | Test completed on :- | |
| Sl. No. | Test Parameter | Unit | Results | Method | Specification as per BIS - 10500:2012 (Second Revision) Amendment - June 2015 | |
| | | | | | Acceptable Limit | Permissible Limit (In Absence of Alternate source) |
| 1 | pH | - | 5.86 | APHA 24 th Ed.2023-4500-H B, (Electrometric method) | 6.5 - 8.5 | No relaxation |
| 2 | Total Dissolved Solids at 180° C | mg/L max | 396 | APHA 24 th Ed.2023-2540 C, (Total Dissolved Solids Dried at 180° C) | 500 | 2000 |
| 3 | Turbidity | NTU max | 0.8 | APHA 24 th Ed.2023-2130 B, (Nephelometric method) | 1 | 5 |
| 4 | Odour | - | Agreeable | IS 3025 (Part-5):2018 | Agreeable | Agreeable |
| 5 | Taste | - | Agreeable | IS 3025 (Part-7):2017 | Agreeable | Agreeable |
| 6 | Colour | Hazen unit | 5 | APHA 24 th Ed.2023-2120 B, (Visual Comparison method) | 5 | 15 |
| 7 | Total Alkalinity as CaCO ₃ | mg/L max | 48 | APHA 24 th Ed.2023-2320 B, (Titration method) | 200 | 600 |
| 8 | Total Hardness as CaCO ₃ | mg/L max | 188 | APHA 24 th Ed.2023-2340 C, (EDTA Titration method) | 200 | 600 |
| 9 | Calcium as Ca | mg/L max | 51.2 | APHA 24 th Ed.2023-3500 Ca B, (EDTA Titration method) | 75 | 200 |
| 10 | Magnesium as Mg | mg/L max | 14.58 | APHA 24 th Ed.2023-3500-Mg B, (Calculation method) | 30 | 100 |
| 11 | Chloride as Cl | mg/L max | 135.93 | APHA 24 th Ed.2023-4500 Cl B, (Argentometric method) | 250 | 1000 |
| 12 | Fluoride as F | mg/L max | 0.20 | APHA 24 th Ed.2023-4500 F C, (Ion selective electrode method) | 1.0 | 1.50 |
| 13 | Nitrate as NO ₃ | mg/L max | 50.65 | APHA 24 th Ed.2023-4500 NO ₃ B, (Ultraviolet spectrophotometric screening method) | 45 | No relaxation |
| 14 | Iron as Fe | mg/L max | 0.06 | APHA 24 th Ed.2023-3500 Fe B, (1,10-phenanthroline method) | 1.0 | No relaxation |

Remarks:- The submitted sample of water conform to IS - 10500 with respect to above test except two parameters pH & Nitrate.

- Specific contractual notes:-
- The results listed refer only to the tested sample and applicable parameter.
 - This report, in full or in part, shall not be used for advertising or as evidence in any court of law.
 - This report can not be reproduced, except when in full, without the written permission of the Lab In-charge
 - Tested Sample shall be retained up to Fifteen Days from the date of issue of the certificate.
 - The liability of the laboratory is limited to the invoiced amount.
 - All disputes are subjected to the Ranchi Jurisdiction.
 - NOTE:-BDL=Below Detection Limit.



-----End of the Report-----


Authorised Signatory
(Technical Manager)
 Technical Manager
 State Level Water Testing Laboratory
 D.W. & S. Deptt., Hinoo, Ranchi

Sachidanand Gyan Bharti Trust

Managing Trustee

State Level Water Testing Laboratory, Ranchi, Jharkhand

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|  <p>TEST ANALYSIS REPORT</p> | Doc No.: SLWTL-QP-4-F31 Issue No.: 01 Revision No.: 01 Date :18.02.2022 |  <p>TC-18012</p> |
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| Issued to: - Sachidanand Gyan Bharti Model school, 108, Kusai, Doranda, Namkum Road, Ranchi-834002. Sample No.: -01-R.O water. | Sample Code: - 250822-DW-A-001 ULR NO.: - TC15212250000847F(C) Date of Issue: - 29/08/2025 Customer Reference No.: - SLR/CLR/AUGUST -25/042 |
|--|--|

| Sample Particulars | Details of Sampling |
|--|--|
| Sample Name/Description: - Drinking Water. Sample Quantity: - 500 ml Sample pkg. Condition: - Good. | Date of sampling : -N/A Sample Received date: -22/08/2025 Sample collected by: - Customer Sampling Location: - Final Outlet |

Discipline: Biological

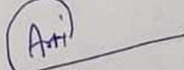
Test started on: - 22/08/2025 **Test completed on :-** 23/08/2025

| Sl. No. | Test Parameter | Unit | Results | Method | Specification as per BIS – 10500:2012 (Second Revision) Amendment – June 2015 | |
|---------|---------------------------------|-----------|---------|--|---|--|
| | | | | | Acceptable Limit | Permissible Limit (In Absence of Alternate source) |
| 1 | Total Coliform | CFU/100mL | <1 | APHA 24 th Ed.2023-9222 B (Membrane Filter Technique) | Shall not be detectable in any 100 mL sample | |
| 2 | Thermotolerant (Fecal) Coliform | CFU/100mL | <1 | APHA 24 th Ed.2023-9222 D (Membrane Filter Technique) | Shall not be detectable in any 100 mL sample | |

Remarks: - The submitted sample of water confirm to IS – 10500 with respect to above test.

Specific contractual notes: -

- ◆ The results listed refer only to the tested sample and applicable parameter.
- ◆ This report, in full or in part, shall not be used for advertising or as evidence in any court of law.
- ◆ This report cannot be reproduced, except when in full, without the written permission of the Section- In-charge.
- ◆ Tested sample shall be retained up to seven days from the date of issue of the certificate.
- ◆ The liability of the laboratory is limited to the invoiced amount.
- ◆ All disputes are subjected to the Ranchi Jurisdiction.
- ◆ Customer asked for above test only.
- ◆ <1 indicates the absence of bacteria.
- ◆ NOTE: - TNTC = Too Numerous To Count.


Authorised Signatory
 (Arti Kumari)

State Level Water Testing Laboratory
 Jharkhand, Ranchi

-----End of the Report-----