



# State Level Water Testing Laboratory, Ranchi, Jharkhand

	<b>TEST ANALYSIS REPORT</b>	Doc No.: SLWTL-QP-4-F31 Issue No.: 01 Revision No.: 01 Date :18.02.2022	 TC-18212
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**Issued to:** - Dr. Reshu Choudhary,  
 D.A.V. Anand Swami Public School,  
 West End Park, Hehal, Ranchi, Jharkhand- 834005.

**Sample Code:** - 251111-DW-A-001  
**ULR NO.:** - TC152122500001135F(A)  
**Date of Issue:** - 22/11/2025  
**Customer Reference No.:** - SLR/CLR/NOVEMBER -25/013

<b>Sample No.:</b> -02-R.O Water.	<b>Details of Sampling</b>
<b>Sample Particulars</b>	
<b>Sample Name/Description:</b> - Drinking Water. <b>Sample Quantity:</b> -1 Lit <b>Sample pkg. Condition:</b> - Good	<b>Date of sampling:</b> - N/A <b>Sample Received date:</b> - 11/11/2025 <b>Sample collected by:</b> - Customer <b>Sampling Location:</b> - Final Outlet


Discipline: Chemical				21/11/2025		
Test started on: -		11/11/2025		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	-	6.67	APHA 24 <sup>th</sup> Ed.2023-4500-H <sup>+</sup> B, (Electrometric method)	6.5 – 8.5	No relaxation
2	Total Dissolved Solids at 180 <sup>o</sup> C	mg/L max	398	APHA 24 <sup>th</sup> Ed.2023-2540 C, (Total Dissolved Solids Dried at 180 <sup>o</sup> C)	500	2000
3	Turbidity	NTU max	0.8	APHA 24 <sup>th</sup> 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 <sup>th</sup> Ed.2023-2120 B, (Visual Comparison method)	5	15
7	Total Alkalinity as CaCO <sub>3</sub>	mg/L max	112	APHA 24 <sup>th</sup> Ed.2023-2320 B, (Titration method)	200	600
8	Total Hardness as CaCO <sub>3</sub>	mg/L max	216	APHA 24 <sup>th</sup> Ed.2023-2340 C, (EDTA Titration method)	200	600
9	Calcium as Ca	mg/L max	7.04	APHA 24 <sup>th</sup> Ed.2023-3500 Ca B, (EDTA Titration method)	75	200
10	Magnesium as Mg	mg/L max	9.72	APHA 24 <sup>th</sup> Ed.2023-3500-Mg B, (Calculation method)	30	100
11	Chloride as Cl	mg/L max	73.96	APHA 24 <sup>th</sup> Ed.2023-4500 Cl <sup>-</sup> B, (Argentometric method)	250	1000
12	Fluoride as F	mg/L max	0.27	APHA 24 <sup>th</sup> Ed.2023-4500 F <sup>-</sup> C, (Ion selective electrode method)	1.0	1.50
13	Nitrate as NO <sub>3</sub>	mg/L max	16.73	APHA 24 <sup>th</sup> Ed.2023-4500 NO <sub>3</sub> <sup>-</sup> B, (Ultraviolet spectrophotometric screening method)	45	No relaxation
14	Iron as Fe	mg/L max	0.03	APHA 24 <sup>th</sup> Ed.2023-3500 Fe B, (1,10-phenanthroline method)	1.0	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.

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

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

## State Level Water Testing Laboratory, Ranchi, Jharkhand

	<b>TEST ANALYSIS REPORT</b>	Doc No.: SLWTL-QP-4-F31 Issue No.: 01 Revision No.: 01 Date :18.02.2022	 TC-16212
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Issued to: - Dr. Reshu Choudhary, D.A.V. Anand Swami Public School, West End Park, Hehal, Ranchi, Jharkhand- 834005.	Sample Code: - 251111-DW-A-001 ULR NO. : - TC152122500001135F(B) Date of Issue: -- 22/11/2025 Customer Reference No. : - SLR/CLR/NOVEMBER -25/013
Sample No.: -02-R.O Water.	

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: - 11/11/2025 Sample collected by: - Customer Sampling Location: - Final Outlet

Discipline: Chemical - Residues in Water					21/11/2025
Test started on: -		11/11/2025		Test completed on :-	
Sl. No.	Test Parameter	Unit	Results	Method	Specification as per BIS - 10500:2012 (Second Revision) Amendment - June 2015
					Acceptable Limit
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: -



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- ◆ 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

## State Level Water Testing Laboratory, Ranchi, Jharkhand

	<b>TEST ANALYSIS REPORT</b>	Doc No.: SLWTL-QP-4-F31 Issue No.: 01 Revision No.: 01 Date :18.02.2022	 TC-15212
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Issued to: - Dr. Reshu Choudhary, D.A.V. Anand Swami Public School, West End Park, Hehal, Ranchi, Jharkhand- 834005.  Sample No.: -02-R.O Water.	<b>Sample Code: - 251111-DW-A-001</b> <b>ULR NO. :- TC152122500001135F(C)</b> <b>Date of Issue: - 22/11/2025</b> <b>Customer Reference No. :- SLR/CLR/NOVEMBER -25/013</b>
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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: -11/11/2025 Sample collected by: - Customer Sampling Location: - Final Outlet

**Discipline: Biological**

Test started on: -		11/11/2025		Test completed on :-		12/11/2025	
Sl. No.	Test Parameter	Unit	Results	Method	Specification as per BIS – 10500:2012 (Second Revision) <b>Amendment – June 2015</b>		
					Acceptable Limit	Permissible Limit (In Absence of Alternate source)	
1	Total Coliform	CFU/100mL	<1	APHA 24 <sup>th</sup> 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 <sup>th</sup> 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---