

# DISTRICT WATER TESTING LABORATORY, RWS&S DIVISION, JHARSUGUDA

email. -labjharsuguda@gmail.com



## WATER ANALYSIS REPORT

**TEST REPORT NO.- DWTL- 313 /2025**

**Dt.16.06.2025**

### Sample Particulars

### Details of Sampling

Name of the Customer :-

Principal  
St. Joseph's Convent School  
Jharsuguda

Type of Source:-

Bore Well

Date of Sampling:-

Sample receive date:-

12.06.25

Vide letter No.

Sample Package Condition:-

a) Quantity of Sample Received – 1000 ml each

b) Type of Container - Normal Bottle

Sampling Protocol:-

NA

Sample Collected by:-

Not Specified

Sample Location:-

St. Joseph's Convent School  
Jharsuguda  
1 – Old Borewell Water  
2 – New Bore Well Water  
3 – Purified Water

## TEST RESULT

Test started on-

12.06.2025

Test completed on-

13.06.2025

Sl.	Test Parameters	Units	Results	Requirements IS 10500 : 2012		Test Method
				Acceptable Limit	Permissible Limit in absence of alternate source	
1	Temperature	°C	26.5°C			
2	Odour*	----	1. Agreeable 2. Agreeable 3. Agreeable	Agreeable	Agreeable	APHA, 24th Ed.2023-2150+B: 2023 Threshold Odor Test Method
3	Color	----	1. Agreeable 2. Agreeable 3. Agreeable	Agreeable	Agreeable	APHA, 24th Ed.2023-2120+B: 2023 Visual comparison Method
4	pH at 25°C	pH Unit	1. 6.46 2. 6.49 3. 5.70	6.5 to 8.5	No relaxation	APHA, 24th Ed.2023-4500+B: 2023 Electrometric Method
5	Turbidity	NTU	1. 0.07 2. 0.80 3. 0.24	1.0	5.0	APHA 24th Ed.2023-2130 B (Nephelometric Method): 2023

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Opp. B.T.M., Jharsuguda  
Odisha, Pin-768203

Manager  
**St. Joseph's Convent School**  
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Pin-768203, Odisha

6	Elect. Conductivity	μmho/cm	1. 339 2. 292.2 3. 68.4	---	----	APHA 24th Ed.2023-2510 B:: 2023 Electrometric Method
7	Total Dissolved Solids (TDS)	mg/l	1. 220 2. 190 3. 44	500	2000	CALCULATION METHOD
8	Chloride	mg/l	1. 72 2. 50 3. 14	250	1000	APHA24th Ed.2023-4500 Cl B (Argentometric Method): 2023
9	Total Hardness (as CaCO <sub>3</sub> )	mg/l	1. 152 2. 118 3. 20	200	600	APHA24th Ed. 2023-2340 C (Titrimetric Method): 2023
10	Calcium as Ca	mg/l	1. 10.42 2. 19.24 3. 1.603	75	200	EDTATitration Method (APHA 23'd Ed. - 3500 Ga B)
11	Magnesium as Mg	mg/l	1. 30.62 2. 17.01 3. 3.88	30	100	Calculation Methoo (APHA 23'd Ed. - 3500 Mg B)
12	Total Alkalinity (as CaCO <sub>3</sub> )	mg/l	1. 60 2. 50 3. 10	200	600	APHA24th Ed. 2023 2320 B(Titration Method): 2023
13	Fluoride	mg/l	1. 0.05 2. 0.30 3. 0.07	1.50	1.50	SPADNS Method
14	Total Iron	mg/l	1. 0.051 2. 0.016 3. 0.345	1.0	No relaxation	APHA24th Ed.2023- 3500 Fe B (Phenanthroline Method: 2023
15	Total Coliforms	MPN	1. 0 2. 0 3. 0	No relaxation	No relaxation	MPN Method

Results relates only to samples received in the Laboratory.  
#APHA – American Public Health Association

Tested By

*S. Chauhan*  
Lab Assistant  
DWTL, Jharsuguda

Checked & Reviewed

*S. Khanna*  
Lab Chemist  
16/06/25  
DWTL, Jharsuguda

*Lab Incharge*  
16/06/25  
DWTL, Jharsuguda

\*\*\*\*\* END OF THE REPORT \*\*\*\*\*

*Soji*  
Principal

St. Joseph's Convent School  
Opp. B.T.M., Jharsuguda  
Odisha, Pin-768203

*Aakra*

Manager  
St. Joseph's Convent School  
Opp. B.T.M., Jharsuguda  
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