

|    |                   |      |         |               |               |                                                             |
|----|-------------------|------|---------|---------------|---------------|-------------------------------------------------------------|
| 9  | Total Iron        | mg/l | 1-0.17  | 1.0           | No relaxation | APHA23rd Ed.2017- 3500 Fe B<br>(Phenanthroline Method: 2017 |
| 10 | *Fluoride         | mg/l | 1-0.67  | 1.50          | 1.50          | Ion-Selective Electrode Method                              |
| 11 | Nitrate           | mg/l | 1- 1.93 | 45            | No relaxation | Ion selective method.                                       |
| 12 | *E.Coli           | MPN  | 1- Nil  | No relaxation | No relaxation | Enzyme substrate MPN Method                                 |
| 13 | Residual Chlorine | Mg/l | 1- Nil  | 0.2           | 1.0           | OT method                                                   |
| 14 | Calcium           | Mg/l | 1- 78.4 | 100           | 200           | EDTA Method.                                                |

Note :- The samples were tested with dilution

**Information on Test Report :**

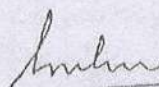
Results relates only to samples received in the Laboratory.

The test report shall not be reproduced except in full without written approval of DWTLs.

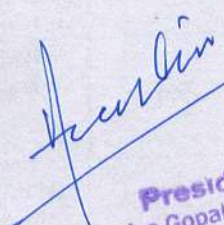
\*Indicates the parameter are not included in NABL scope

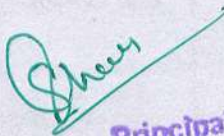
#APHA – American Public Health Association

Checked & verified

  
11/3/2025  
Quality Manager

Dr. S.K Muduli  
District Water Testing Laboratory, Sambalpur  
Authorised Signatory

  
**President**  
Rastriya Gopal Vidya Mandi,  
Sambalpur-768001

  
**Principal**  
Rastriya Gopal Vidya Mandi,  
Nayapara, Sambalpur



# DISTRICT WATER TESTING LABORATORY, RWS&S DIVISION SAMBALPUR

Mob. - 9437597053

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## WATER ANALYSIS REPORT



TEST REPORT NO.- DWTLS-15/2025

Issue No.-

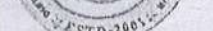
17

Date-

1.3.2025



T-12837

|                                                                                   |                                                                                             |                            |                                          |                |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------------|------------------------------------------|----------------|
|  |                                                                                             | Date- 25/2/2025            | Details of Sampling                      |                |
| Sample Particulars                                                                |                                                                                             |                            | Type of Source:-                         | Drinking water |
| Name of the Customer :-                                                           | Principal Rashtriya Gopal Vidya Mandir, Nayapara, SBP                                       | Date of Sampling:-         | 28.2.2025                                |                |
|                                                                                   |                                                                                             | Sample receive date:-      | RGVM-594 /Dt.25.2.2025                   |                |
| Sample Package Condition:-                                                        | a) Quantity of Sample Received – 1000 ml each<br>b) Type of Container - PP (Poly Propylene) | Vide letter No.            |                                          |                |
|                                                                                   |                                                                                             | Sample Registration Date:- | 28.2.2025                                |                |
|                                                                                   |                                                                                             | Sampling Protocol:-        | Samples is collected by this laboratory. |                |
|                                                                                   |                                                                                             | Sample Collected by:-      | RWSS Official                            |                |
|                                                                                   |                                                                                             | Sample Location:-          | RGBM, Nayapara School Campus , Sambalpur |                |

| TEST RESULT      |                                          |            |           |                              |                                                  |                                                                               |
|------------------|------------------------------------------|------------|-----------|------------------------------|--------------------------------------------------|-------------------------------------------------------------------------------|
| Test started on- |                                          | 28.2.2025  |           | Test completed on-           |                                                  | 1.3.2025                                                                      |
| Sl.              | Test Parameters                          | Units      | Results   | Requirements IS 10500 : 2012 |                                                  | Test Method                                                                   |
|                  |                                          |            |           | Acceptable Limit             | Permissible Limit in absence of alternate source |                                                                               |
| 1                | Colour                                   | Hazen Unit | 1-0.2 HU  | 1 HU                         | 5 HU                                             | APHA 23rd Ed. -2120-Colour Method B(Platinum Cobalt Visual Comparison) : 2017 |
| 2                | pH at 25°C                               | pH Unit    | 1-7.81    | 6.5 to 8.5                   | No relaxation                                    | APHA, 23rd Ed.2017-4500+B: 2017                                               |
| 3                | Turbidity                                | NTU        | 1- 0.1    | 1.0                          | 5.0                                              | APHA23rd Ed.2017-2130 B (Nephelometric Method): 2017                          |
| 4                | *Elect. Conductivity                     | µmho/cm    | 1- 788    | ---                          | ---                                              | APHA 23rd Ed.2017- 2510 B:: 2017                                              |
| 5                | Total Dissolved Solids                   | mg/l       | 1- 485.0  | 500                          | 2000                                             | APHA 23rd Ed. -2540-TDS Method C (Dried at 180 degree Celcius): 2017          |
| 6                | Chloride                                 | mg/l       | 1-68.00   | 250                          | 1000                                             | APHA23rd Ed.2017-4500 Cl B (Argentometric Method): 2017                       |
| 7                | Total Hardness (as CaCO <sub>3</sub> )   | mg/l       | 1- 392.00 | 200                          | 600                                              | APHA23rd Ed. 2017- 2340 C (Titrimetric Method): 2017                          |
| 8                | Total Alkalinity (as CaCO <sub>3</sub> ) | mg/l       | 1- 364.00 | 200                          | 600                                              | APHA23rd Ed. 2017 2320 B(Titration Method): 2017                              |

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