

राज्य प्रयोगशाला एवं अनुसंधान केन्द्र  
लोक स्वास्थ्य यांत्रिकी विभाग रिंगरोड1,रावणभाठा,रायपुर (छ.ग.)  
**STATE LABORATORY & RESEARCH CENTRE, PHED.**  
**RING ROAD NO.1 RAWANBHANTA RAIPUR (C.G.)**  
email:- slrcraipur@gmail.com

**Test Report (Drinking Water) No.-56**

|                                                                                                                             |                               |                        |                                                   |            |
|-----------------------------------------------------------------------------------------------------------------------------|-------------------------------|------------------------|---------------------------------------------------|------------|
| <b>Senders name &amp; address:-</b><br><br>Principal<br>St. Vincent Pallotti School<br>Jeevodaya Abhanpur,<br>Raipur (C.G.) | Discipline:- Chemical Testing | Group:- Drinking Water | Test performed at Laboratory:- Permanent facility |            |
|                                                                                                                             | Senders letter no./Date       | 17/23-03-2026          | Sampled by                                        | Customer   |
|                                                                                                                             | SL Receipt no.                | 03/26/56               | Physical condition of Sample                      | Ok         |
|                                                                                                                             | SL Receipt date               | 23-03-2026             | Date of analysis started                          | 23-03-2026 |
|                                                                                                                             |                               |                        | Date of analysis completed                        | 25-03-2026 |

**Sample Details**

| S.N. | Sample I.D.  | District /Block | City / Village | Source | Location/Source ID./GPS Identification                        |
|------|--------------|-----------------|----------------|--------|---------------------------------------------------------------|
| 01   | 03/26/56/414 | Raipur          | Gatapar        | -      | St. Vincent Pallotti School Jeevodaya Abhanpur, Raipur (C.G.) |
| -    | -            | -               | -              | -      | -                                                             |
| -    | -            | -               | -              | -      | -                                                             |
| -    | -            | -               | -              | -      | -                                                             |
| -    | -            | -               | -              | -      | -                                                             |

**Details of parameters their test method units and specification as per IS/APHA**

| Details of parameters their test method, units and specification as per IS/APHA |                                     |                                                      |                  |                            |                                             |                      |        |   |   |   |   |
|---------------------------------------------------------------------------------|-------------------------------------|------------------------------------------------------|------------------|----------------------------|---------------------------------------------|----------------------|--------|---|---|---|---|
| S.N.                                                                            | Characteristics                     | Test method<br>IS:3025/APHA 24 <sup>th</sup> edition |                  | Unit of<br>Measure<br>ment | As per BIS-10500:2012<br>For Drinking water |                      | Result |   |   |   |   |
|                                                                                 |                                     | method                                               | Part no.         |                            | Sample ID →                                 |                      | 414    | - | - | - | - |
|                                                                                 |                                     |                                                      |                  |                            | Acceptable<br>limit                         | Permissible<br>limit |        |   |   |   |   |
| 1                                                                               | Colour                              | APHA                                                 | Part 2120-B      | Hazen                      | 5                                           | 15                   | 6      | - | - | - | - |
| 2                                                                               | Turbidity                           | APHA                                                 | 2130-B           | NTU                        | 1                                           | 5                    | 0.08   | - | - | - | - |
| 3                                                                               | pH @ 25 <sup>o</sup> c              | APHA                                                 | Part 4500-11-B   | -                          | 6.5-8.5                                     | No Relaxation        | 7.69   | - | - | - | - |
| 4                                                                               | Conductivity                        | APHA                                                 | 2510-B           | µS/cm.                     | -                                           | -                    | 402    | - | - | - | - |
| 5                                                                               | Fluoride as F <sup>-</sup>          | APHA                                                 | Part 4500-F-C    | Mg/l.                      | 1.0                                         | 1.5                  | 0.256  | - | - | - | - |
| 6                                                                               | Total Hardness as CaCO <sub>3</sub> | APHA                                                 | Part 2340-C      | Mg/l.                      | 200                                         | 600                  | 239.77 | - | - | - | - |
| 7                                                                               | Calcium as Ca                       | APHA                                                 | Part 3500-Ca-B   | Mg/l.                      | 75                                          | 200                  | 60.26  | - | - | - | - |
| 8                                                                               | Magnesium as Mg                     | APHA                                                 | 3500-Mg-B        | Mg/l.                      | 30                                          | 100                  | 21.72  | - | - | - | - |
| 9                                                                               | Chloride as Cl <sup>-</sup>         | APHA                                                 | Part 4500-Cl-B   | Mg/l.                      | 250                                         | 1000                 | 20.94  | - | - | - | - |
| 10                                                                              | Alkalinity as CaCO <sub>3</sub>     | APHA                                                 | Part 2320-B      | Mg/l.                      | 200                                         | 600                  | 173.91 | - | - | - | - |
| 11                                                                              | TDS                                 | APHA                                                 | Part-2540-C      | Mg/l                       | 500                                         | 2000                 | 266    | - | - | - | - |
| 12                                                                              | Iron as Fe                          | APHA                                                 | Part 3500-Fe-B   | Mg/l                       | 1.0                                         | No Relaxation        | 0.10   | - | - | - | - |
| 13                                                                              | Nitrate as NO <sub>3</sub>          | APHA                                                 | Part 4500 -NO3-B | Mg/l.                      | 45                                          | No Relaxation        | 12.8   | - | - | - | - |
| 14                                                                              | Sulphate as SO <sub>4</sub>         | APHA                                                 | Part 4500-SO4-E  | Mg/l                       | 200                                         | 400                  | 7.35   | - | - | - | - |
| 15                                                                              | Odour                               | IS:3025                                              | Part-5           | -                          | Agr.                                        | Agr.                 | Agr.   | - | - | - | - |
| 16                                                                              | Residual Chlorine                   | IS-3025                                              | Part-26          | Mg/l.                      | 0.2                                         | 1.0                  | 0.0    | - | - | - | - |

1. The report should not be produced partly or full without approval signatory authority of legal purpose.
2. The results refer only to tested samples and parameters.
3. Samples will be retained for a period of 7 days from date of issue of test report.
4. This Lab does not hold any responsibility for variation in results of samples kept on hold for wants of clarification.
5. Results apply to the sample as received.
6. Sampling not done by Lab staff.
7. Agreeable is denoted by Agr.

Report reviewed & Approved by

  
Principal  
St. Vincent Pallotti School  
Jeevodaya Abhanpur, Raipur (C.G.)  
Pin Code- 493661

  
Manager  
St. Vincent Pallotti School  
Jeevodaya Abhanpur, Raipur (C.G.)  
Pin code- 493 661

  
(Umesh Sahu)  
Chief Chemist

Issue no. 56/Date- 25-03-2026

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लोक स्वास्थ्य यांत्रिकी विभाग रिंगरोड 1, रावणभाटा, रायपुर (छ.ग.)  
**STATE LABORATORY & RESEARCH CENTRE, PHED.**  
**RING ROAD NO.1 RAWANBHANTA RAIPUR (C.G.)**  
email:- slrcraipur@gmail.com

**Bacteriological - Test Report (Drinking Water) No. 56**

|                                                                                                                 |                               |                        |                                                   |            |
|-----------------------------------------------------------------------------------------------------------------|-------------------------------|------------------------|---------------------------------------------------|------------|
| Senders name & address:-<br><br>Principal<br>St. Vincent Pallotti School<br>Jeevodaya Abhanpur Raipur<br>(C.G.) | Discipline:- Chemical Testing | Group:- Drinking Water | Test performed at Laboratory:- Permanent facility |            |
|                                                                                                                 | Senders letter no./Date       | 17/23/03/2026          | Sampled by                                        | Customer   |
|                                                                                                                 | SL receipt no.                | 03/26/56               | Physical condition of Sample                      | Ok         |
|                                                                                                                 | SL Receipt date               | 23-03-2026             | Date of analysis started                          | 23-03-2026 |
|                                                                                                                 |                               |                        | Date of analysis completed                        | 25-03-2026 |

**Sample Details**

| S.N. | Sample I.D.  | District /Block | City / Village | Source | Location/Source ID./GPS Identification                        |
|------|--------------|-----------------|----------------|--------|---------------------------------------------------------------|
| 01   | 03/26/56/414 | Raipur          | Gatapar        | -      | St. Vincent Pallotti School Jeevodaya Abhanpur, Raipur (C.G.) |
| -    | -            | -               | -              | -      | -                                                             |
| -    | -            | -               | -              | -      | -                                                             |
| -    | -            | -               | -              | -      | -                                                             |
| -    | -            | -               | -              | -      | -                                                             |

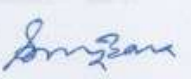
**Details of parameters their test method units and specification as per IS/APHA**

| S.N. | Parameters | Test method |           | As per IS-10500-2012 drinking water |                   | Result |   |   |   |
|------|------------|-------------|-----------|-------------------------------------|-------------------|--------|---|---|---|
|      |            | Method      | Unit      | Sample ID →                         |                   | 414    | - | - | - |
|      |            |             |           | Acceptable limit                    | Permissible limit |        |   |   |   |
| 01   | E. Coli    | APHA / IS   | Cfu/100ml | Nil                                 | Nil               | Nil    | - | - | - |

1. It is recommended that acceptable limit is to be implemented. Values in excess of those mentioned under "acceptable" render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under the "permissible" limit in the absence of alternate source in column 7 above which the sources will have to be rejected.
2. The results refer only to tested samples and parameters.
3. Samples will be stored for a period of 7 days from date of issue of report.
4. This Lab does not hold any responsibility for variation in results of samples kept on hold for wants of clarification.
5. Results apply to the sample as received.
6. Sampling not done by Lab staff.

Report reviewed & Approved by

  
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**(Umesh Sahu)**  
Chief Chemist

.....End of Report.....