

# कार्यालय सहायक अभियंता लोक स्वास्थ्य यांत्रिकी उपखण्ड गरियाबंद (छ0ग0)

क्रमांक 810/स.अ./जि.प्र./लो.स्वा.यां./उपखण्ड, 2026

गरियाबंद, दिनांक 13/03/2026

प्रति,

प्राचार्य  
सेन्ट जॉन्स इंग्लिश मिडियम स्कूल  
छूरा, गरियाबंद  
जिला-गरियाबंद (छ.ग.)

विषय :- जल परीक्षण करके जल परीक्षण प्रमाण पत्र प्रदान करने बाबत।

संदर्भ :- आपका पत्र क्रमांक 726/SJEMS/2025-2026 दिनांक 10/03/2026

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संदर्भित विषयांतर्गत लेख है कि आपके द्वारा 02 नग जल नमूना परीक्षण हेतु प्रेषित किया गया है, जिसका परीक्षण कर रिपोर्ट आपकी ओर सादर प्रेषित है।

संलग्न:- जल परीक्षण रिपोर्ट।

  
सहायक अभियंता  
लोक स्वास्थ्य यांत्रिकी,  
उपखण्ड - गरियाबंद (छ.ग.)

# District Water Testing Laboratory

Public Health Engineering Department, Div. Gariyaband  
Devbhog Main Road, Rawanbatha, Keshodar Road Gariyaband (C.G.)  
e-mail:- eegar-phe-cg@nic.in

## Test Report (Drinking Water)

|                                                                                                                                           |                          |                        |                            |                                |
|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------------|----------------------------|--------------------------------|
| Report no. DL/PHED/GBD. - 242                                                                                                             | -                        | Group:- Drinking Water |                            |                                |
| <b>Senders name &amp; address:-</b><br><br>Principal<br>St. John's English Medium School<br>Komakhan road Chhura<br>Dist-Gariyaband(C.G.) | Senders letter no./Date  | 726/10/03/2026         | Sampled by                 | Lovit Ratnakar                 |
|                                                                                                                                           | Sample collection date   | 10/03/2026             | Sampling Plan & procedure  | Sampling not done by Lab staff |
|                                                                                                                                           | DL receipt no.           | 242                    | DL Receipt date            | 10/03/2026                     |
|                                                                                                                                           | Date of analysis started | 11/03/2026             | Date of analysis completed | 13/03/2026                     |

### Sample Details

| S.N. | Sample I.D.      | District /Block | City / Village | Habitation | Location/Source ID./GPS Identification |
|------|------------------|-----------------|----------------|------------|----------------------------------------|
| 1    | 242/2831/03/2026 | Chhura          | Chhura         | Chhura     | Borewell NO.01                         |
| 2    | 242/2832/03/2026 | Chhura          | Chhura         | Chhura     | Borewell NO.02                         |
|      |                  |                 |                |            |                                        |
|      |                  |                 |                |            |                                        |
|      |                  |                 |                |            |                                        |
|      |                  |                 |                |            |                                        |

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

| S.N. | Parameters                          | Test method<br>IS:3025/APHA 24 <sup>th</sup> ed. |                      | Unit     | As per IS-10500-2012<br>drinking water |                   | Result Of S.No. |           |    |    |    |    |
|------|-------------------------------------|--------------------------------------------------|----------------------|----------|----------------------------------------|-------------------|-----------------|-----------|----|----|----|----|
|      |                                     | Method                                           | Part no.             |          | Acceptable Limit                       | Permissible Limit | 1               | 2         | 3  | 4  | 5  | 6  |
| 1    | 2                                   | 3                                                | 4                    | 5        | 6                                      | 7                 | 8               | 9         | 10 | 11 | 12 | 13 |
| 1    | Turbidity (25°C)                    | APHA 24 <sup>th</sup> ed.                        | 2130 B : 2023        | NTU      | 1                                      | 5                 | 0.44            | 1.03      | -  | -  | -  | -  |
| 2    | pH (25°C)                           | APHA 24 <sup>th</sup> ed.                        | 4500 B : 2023        | PH scale | 6.5-8.5                                | No Relaxation     | 6.89            | 7.03      | -  | -  | -  | -  |
| 3    | Alkalinity as CaCO <sub>3</sub>     | APHA 24 <sup>th</sup> ed.                        | 2320 B : 2023        | mg/l.    | 200                                    | 600               | 61.97           | 49.97     | -  | -  | -  | -  |
| 4    | Chloride as CL                      | APHA 24 <sup>th</sup> ed.                        | 4500 B : 2023        | mg/l.    | 250                                    | 1000              | 32.90           | 13.96     | -  | -  | -  | -  |
| 5    | Total Hardness as CaCO <sub>3</sub> | APHA 24 <sup>th</sup> ed.                        | 2340 C : 2023        | mg/l.    | 200                                    | 600               | 66.39           | 50.30     | -  | -  | -  | -  |
| 6    | Calcium as Ca <sup>2+</sup>         | APHA 24 <sup>th</sup> ed.                        | 3500 B : 2023        | mg/l.    | 75                                     | 200               | 9.67            | 6.45      | -  | -  | -  | -  |
| 7    | Magnesium as Mg <sup>2+</sup>       | APHA 24 <sup>th</sup> ed.                        | 3500mg B : 2023      | mg/l.    | 30                                     | 100               | 10.26           | 8.31      | -  | -  | -  | -  |
| 8    | Colour                              | APHA 24 <sup>th</sup> ed.                        | 2120 Colour Method-B | Hazen    | 05                                     | 15                | 01              | 01        | -  | -  | -  | -  |
| 9    | Taste                               | IS.3025                                          | Part- 8 : 2017       | -        | Agreeable                              | Agreeable         | Agreeable       | Agreeable | -  | -  | -  | -  |
| 10   | Odour                               | IS.3025                                          | Part- 5 : 2018       | -        | Agreeable                              | Agreeable         | Agreeable       | Agreeable | -  | -  | -  | -  |
| 11   | TDS                                 | APHA 24 <sup>th</sup> ed.                        | 2540 C : 2023        | mg/l.    | 500                                    | 2000              | 80.00           | 66.67     | -  | -  | -  | -  |

- The report should not be produced partly or full without approval signatory authority of legal purpose.
- 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.
- The results refer only to tested samples and parameters.
- Samples will be stored for a period of 10 days from date of issue of report.
- This Lab does not hold any responsibility for variation in results for samples kept on hold for wants of clarification.
- The Laboratory does not give interpretation on Test result Passed / Failed.

Report Checked By

  
(Teerath Sahu)

Issue no.- 242 Date :- 13/03/2026

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:End of Test Report :

  
(Vani Sahu)  
Authorized Signatory  
(Quality Manager)

**District Water Testing Laboratory**  
Public Health Engineering Department, Div. Gariyaband  
Devbhog Main Road, Rawanbhattha, Keshodar Road Gariyaband (C.G.)  
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**Test Report (Drinking Water)**

|                                                                                                                                           |                                 |                        |                                      |                                |
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| Report no. DL/PHED/GBD. - 242                                                                                                             |                                 | Group:- Drinking Water |                                      |                                |
| <b>Senders name &amp; address:-</b><br><br>Principal<br>St. John's English Medium School<br>Korakhan road Chhura<br>Dist-Gariyaband(C.G.) | <b>Senders letter no./Date</b>  | 726/10/03/2026         | <b>Sampled by</b>                    | Lovit Ratnakar                 |
|                                                                                                                                           | <b>Sample collection date</b>   | 10/03/2026             | <b>Sampling Plan &amp; procedure</b> | Sampling not done by Lab staff |
|                                                                                                                                           | <b>DL receipt no.</b>           | 242                    | <b>DL Receipt date</b>               | 10/03/2026                     |
|                                                                                                                                           | <b>Date of analysis started</b> | 11/03/2026             | <b>Date of analysis completed</b>    | 13/03/2026                     |

**Sample Details**

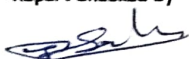
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|      |                  |                 |                |            |                                        |
|      |                  |                 |                |            |                                        |

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

| S.N. | Parameters        | Test method<br>IS:3025/ APHA 24 <sup>th</sup> ed.. |              | Unit      | As per IS-10500-2012<br>drinking water |                          | Result Of S.No. |       |    |    |    |    |
|------|-------------------|----------------------------------------------------|--------------|-----------|----------------------------------------|--------------------------|-----------------|-------|----|----|----|----|
|      |                   | Method                                             | Part no.     |           | Accepta<br>ble<br>Limit                | Permissi<br>ble<br>Limit |                 |       |    |    |    |    |
|      |                   |                                                    |              |           |                                        |                          | 1               | 2     | 3  | 4  | 5  | 6  |
| 1    | 2                 | 3                                                  | 4            | 5         | 6                                      | 7                        | 8               | 9     | 10 | 11 | 12 | 13 |
| 1    | Iron              | APHA 24 <sup>th</sup> ed.                          | 3500 -Fe -B  | mg/l.     | 0.3                                    | 1.0                      | -               | -     | -  | -  | -  | -  |
| 2    | Nitrates          | APHA 24 <sup>th</sup> ed.                          | 4500-NO3 - B | mg/l.     | 45                                     | No Relaxation            | -               | -     | -  | -  | -  | -  |
| 3    | Fluoride          | APHA 24 <sup>th</sup> ed.                          | 4500-F- C    | mg/l.     | 1.0                                    | 1.5                      | 0.194           | 0.173 | -  | -  | -  | -  |
| 4    | Residual Chlorine | -                                                  | -            | mg/l.     | 0.2                                    | 1.0                      | -               | -     | -  | -  | -  | -  |
| 5    | Sulphate          | IS:3025                                            | Part- 24     | mg/l.     | 200                                    | 400                      | -               | -     | -  | -  | -  | -  |
| 6    | Manganese         | APHA 24 <sup>th</sup> ed.                          | 3500Mn-B     | Mg/l.     | 0.1                                    | 0.3                      | -               | -     | -  | -  | -  | -  |
| 7    | Spe. Conductivity | IS:3025                                            | Part- 14     | µmho/cm   | -                                      | -                        | -               | -     | -  | -  | -  | -  |
| 8    | E.Coli            | -                                                  | -            | CFU/100ml | -                                      | -                        | Nil             | Nil   | -  | -  | -  | -  |

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**Report Checked By**

  
(Teerath Sahu)

Issue no:-242 Date :- 13/03/2026



**Chemist**  
**District Water Testing Laboratory**  
**P.H.E.D. Gariyaband (C.G.)**

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