

पत्रांक 233 पटना / दिनांक 24/06/2024

प्रेषक,

शोध पदाधिकारी,
(वरीय अनुसंधान पदाधिकारी)
राज्य स्तरीय जल जाँच प्रयोगशाला,
(लोक स्वास्थ्य संस्थान, छज्जुबाग)
लोक स्वास्थ्य अभियंत्रण विभाग, बिहार, पटना।

सेवा में,

Principal,
Himalayan National School
Hathiyakandh, Sarai, Patna - 801113

विषय :- जल जाँच प्रतिवेदन निर्गत करने के संबंध में।

प्रसंग :- आपका पत्रांक - R/HNS/Phd/13/2024, दिनांक - 21.06.2024

महाराय,

उपरोक्त प्रासंगिक पत्र के आलोक में कुल 01 अदद जल नमूना का सभी पारामीटर जाँच हेतु भेजा गया था। जाँचोपरांत जाँच प्रतिवेदन संलग्न कर भेजी जा रही है।

अनु०:- यथोपरि।

विश्वासभाजन

शोध पदाधिकारी

(वरीय अनुसंधान पदाधिकारी)

राज्य स्तरीय जल जाँच प्रयोगशाला,

(लोक स्वास्थ्य संस्थान, छज्जुबाग)

लोक स्वास्थ्य अभियंत्रण विभाग, बिहार, पटना

24.06.24

Lokesh Kumar
PRINCIPAL
HIMALAYAN NATIONAL SCHOOL
HATHIYAKANDH, SARAI, PATNA-13

V.J. HIMALAYA EDUCATIONAL TRUST
Secretary



STATE LEVEL WATER TESTING LABORATORY
P.H.E.D., GOVERNMENT OF BIHAR

Format No.: SLWTL/FRM/02

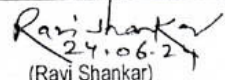
Issue No.: 225



Certificate
No.: TC-5752

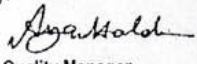
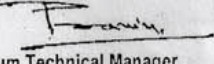
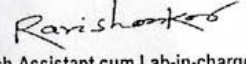
TEST REPORT

Issue Date: 24.06.2024

| Report No: SLWTL/2024/GW-11052 | ULR No.- TC57522400000225F | Date of Reporting: 24.06.2024 | | | | |
|--|---|-------------------------------|------------------|---|---|---|
| Name of the Organisation/Person: Himalayan National School | | | | | | |
| Location Details: Hathiyakandh, Sarai, Patna - 801113 | | | | | | |
| Ref Memo No: R/HNS/Phd/13/2024, Dated- 21.06.2024 | Sample Received on: 21.06.2024 | | | | | |
| Sample Collected by SLWTL (SLWTL collect sample followed by the Sampling Procedure "SLWTL/PCD/02/15"):No | | | | | | |
| Type of Sample: Ground Water | Source of Sample: R.O. Water | | | | | |
| Volume of Sample: 1 Ltr. | Type of Container: Plastic | | | | | |
| Mode of Preservation: Preserved | Sample Condition: Sealed | | | | | |
| Deviation of Method, If Any: NIL | Date of Sampling: 21.06.2024 | | | | | |
| Date of Analysis Started: 21.06.2024 | Date of Analysis Completed: 24.06.2024 | | | | | |
| Remarks: Submitted sample of water confirm to IS:10500-2012 with respect to tested parameters. | | | | | | |
| Sl. No. | Parameters | Minimum Detection Limit | Desirable Limit* | Permissible Limit* in absence of alternate source | Method of Testing Parameters (APHA 23 rd Ed. 2017) | Results |
| 1 | pH Value | 2.0 | 6.5-8.5 | No relaxation | 4500-H+B, 4-95 to 4-99 | 7.25 |
| 2 | Turbidity, NTU | 4.0 | 1 | 5 | 2130 B, 2-13 to 2-15 | <4.0 |
| 3 | Conductivity, μ mhos/cm | 1.0 | - | - | 2510 B, 2-58 to 2-59 | 181.50 |
| 4 | Total Dissolved Solid, mg/l | 10.0 | 500 | 2000 | 2540C, 2-69 to 2-70 | 118.00 |
| 5 | Total Hardness(as CaCO ₃), mg/l | 10.0 | 200 | 600 | 2340C, 2-48 to 2-50 | 80.00 |
| 6 | Calcium(as Ca), mg/l | 5.0 | 75 | 200 | 3500-Ca B, 3-69 | 20.84 |
| 7 | Magnesium(as Mg), mg/l | 2.0 | 30 | 100 | 3500-Mg B, 3-86 | 6.80 |
| 8 | Chloride(as Cl), mg/l | 5.0 | 250 | 1000 | 4500-Cl B, 4-75 | 3.99 |
| 9 | Alkalinity(as CaCO ₃), mg/l | 10.0 | 200 | 600 | 2320B, 2-37 | 93.00 |
| 10 | Iron(as Fe), mg/l | 0.01 | 1.0 | No relaxation | 3500-FeB 3-80 to 3-82 | <0.01 |
| 11 | Nitrate(as NO ₃), mg/l | 1.0 | 45 | No relaxation | 4500-NO ₃ B, 4-127, to 4-129 | <1.0 |
| 12 | Sulphate(as SO ₄), mg/l | 5.0 | 200 | 400 | 4500-SO ₄ E, 4-199 to 4-200 | 2.10 |
| 13 | Fluoride(as F), mg/l | 0.01 | 1.0 | 1.5 | 4500-F C, 4-90 -4-92 | 0.19 |
| 14 | Arsenic(as As), mg/l | 0.005 | 0.01 | No relaxation | 3500-As A & B, 3-66 to 3-68 | <0.005 |
| Note: * (i) Drinking Water Specification Second Revision -IS: 10500:2012., ND=Not Done, NR=Not Required. | | | | | | |
| | | | | | |  (Ravi Shankar) Signature of Lab-In-charge |
| Copy forwarded to: (i) S.R.O, PHED, Govt. of Bihar, (ii) Engineer-in-Chief, PHED, Govt. of Bihar | | | | | | Lab-in-charge SLWTL PHED, Patna Received By |
| 1. The results are reported based on the materials received. 2. Sample will be destroyed after 15 Days from the date of issue of the test report subject to nature of preparation unless otherwise specified. 3. Sample will be preserved according to standard method. The test report shall not be reproduced except in full, without the written permission of the competent authority of the Laboratory. | | | | | | |
| ----- END OF TEST REPORT ----- | | | | | | |

Lokesh Kumar
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HATHIYAKANDH, SARAI, PATNA-13

V.J. HIMALAYA EDUCATIONAL TRUST
Secretary

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|--|--|--|--|
| Prepared by:  Quality Manager | Approved by:  S.R.O cum Technical Manager | Issued by:  Research Assistant cum Lab-in-charge | Page 1 of 2 Revision No.: 0 Revision Date: Nil |
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**STATE LEVEL WATER TESTING LABORATORY
P.H.E.D., GOVERNMENT OF BIHAR**

Format No.: SLWTL/FRM/02

Issue No.: 225

TEST REPORT

Issue Date: 24.06.2024

Report No: SLWTL/2024/GW-11052

Date of Reporting: 24.06.2024

Name of the Organisation/Person: Himalayan National School

Location Details: Hathiyakandh, Sarai, Patna - 801113

Ref Memo No: R/HNS/Phd/13/2024, Dated- 21.06.2024

Sample Received on: 21.06.2024

Sample Collected by SLWTL (SLWTL collect sample followed by the Sampling Procedure "SLWTL/PCD/02/15"): No

Type of Sample: Ground Water.

Source of Sample: R.O. Water

Volume of Sample: 250 ml.

Type of Container: Plastic

Mode of Preservation: Preserved

Sample Condition: Sealed

Deviation of Method, If Any: NIL

Date of Sampling: 21.06.2024

Date of Analysis Started: 21.06.2024

Date of Analysis Completed: 24.06.2024

Remarks: Submitted sample of water confirm to IS:10500-2012 with respect to tested parameters.

| Sl. No. | Parameters | Minimum Detection Limit | Desirable Limit* | Permissible Limit* in absence of alternate source | Method of Testing Parameters (APHA 23 rd Ed. 2017) | Results |
|---------|-------------------------------|-------------------------|------------------|---|---|---------|
| 1 | Manganese (as Mn), mg/l, Max | 0.01 | 0.10 | 0.30 | IS, 3025 (Part 59) | <0.01 |
| 2 | Coliform Organisms, MPN/100ml | -- | -- | ** | M-Test-Tube Technique | Absent |

Note: * (i) Drinking Water Specification Second Revision -IS: 10500:2012, ND=Not Done, NR=Not Required.
** Shall not be detectable in any 100 ml sample

Ravishankar
24.06.24
(Ravi Shankar)

Signature of Lab-in-charge

Copy forwarded to: (i) S.R.O, PHED, Govt. of Bihar, (ii) Engineer-in-Chief, PHED, Govt. of Bihar

Lab-in-charge
SLWTL PHED, Patna

Received By

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----- END OF TEST REPORT -----

Lokesh Kumar
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HATHIYAKANDH, SARAI, PATNA-13

V.J. HIMALAYA EDUCATIONAL TRUST
Jitendra Kumar
Secretary

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|--|---|--|--|
| Prepared by: <i>Ayazkhalid</i> Quality Manager | Approved by: <i>T. Pravin</i> S.R.O cum Technical Manager | Issued by: <i>Ravishankar</i> Research Assistant cum Lab-in-charge | Page 2 of 2 Revision No.: 0 Revision Date: Nil |
|--|---|--|--|