

पत्रांक 265.

पटना / दिनांक 20.7.24

प्रेषक,

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

सेवा में,

Principal
New Era High School
Abha Nagar, Fatehpur, Patna - 800007

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

प्रसंग :- आपका पत्रांक - EHS-05/2024 दिनांक - 15.07.2024

महाशय,

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,
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लोक स्वास्थ्य अभियंत्रण विभाग, बिहार, पटना।

Ranishankar
20.07.24



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

Format No.: SLWTL/FRM/02

Issue No.: 250

Issue Date: 19.07.2024



Certificate
No.: TC-5752

TEST REPORT

Report No: SLWTL/2024/GW-11661 ULR No.- TC57522400000250F Date of Reporting: 19.07.2024

Name of the Organisation/Person: New Era High School

Location Details: Abha Nagar, Fatehpur, Patna - 800007

Ref Memo No: NEHS-05/2024, Dated- 15.07.2024

Sample Received on: 15.07.2024

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: Boring 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: 15.07.2024

Date of Analysis Started: 15.07.2024

Date of Analysis Completed: 18.07.2024

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 | 7.01 |
| 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 | 556.30 |
| 4 | Total Dissolved Solid, mg/l | 10.0 | 500 | 2000 | 2540C, 2-69 to 2-70 | 362.00 |
| 5 | Total Hardness(as CaCO ₃), mg/l | 10.0 | 200 | 600 | 2340C, 2-48 to 2-50 | 244.00 |
| 6 | Calcium(as Ca), mg/l | 5.0 | 75 | 200 | 3500-Ca B, 3-69 | 51.30 |
| 7 | Magnesium(as Mg), mg/l | 2.0 | 30 | 100 | 3500-Mg B, 3-86 | 28.18 |
| 8 | Chloride(as Cl), mg/l | 5.0 | 250 | 1000 | 4500-Cl B, 4-75 | 21.98 |
| 9 | Alkalinity(as CaCO ₃), mg/l | 10.0 | 200 | 600 | 2320B, 2-37 | 260.00 |
| 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 | 10.90 |
| 13 | Fluoride(as F), mg/l | 0.01 | 1.0 | 1.5 | 4500-F C, 4-90 -4-92 | 0.43 |
| 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
20.07.24
(Ravi Shankar)

Signature of Lab-In-charge

Lab-In-charge
SLWTL P.H.E.D. Patna

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

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 -----

Prepared by:

Agarwal

Quality Manager

Approved by:

Prasanna

S.R.O cum Technical Manager

Issued by:

Ravi Shankar

Research Assistant cum Lab-in-charge

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Revision No.: 0

Revision Date: Nil



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

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Name of the Organisation/Person: New Era High School

Location Details: Abha Nagar, Fatehpur, Patna - 800007

Ref Memo No: NEHS-05/2024, Dated- 15.07.2024

Sample Received on: 15.07.2024

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: Boring 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: 15.07.2024

Date of Analysis Started: 15.07.2024

Date of Analysis Completed: 18.07.2024

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

Ravi Shankar
20.07.24
(Ravi Shankar)

Signature of Lab-In-charge

Lab-In-charge
SLWTL, P.H.E.D. Patna

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

Prepared by:

Asghar
Quality Manager

Approved by:

Frank
S.R.O cum Technical Manager

Issued by:

Ravi Shankar
Research Assistant cum Lab-in-charge

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Revision No.: 0

Revision Date: Nil