

पत्रांक ..... 225 ..... पटना / दिनांक ..... 18/06/2024

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 World School  
Char-Hazar Mohallah,  
Maner, Patna - 801108

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

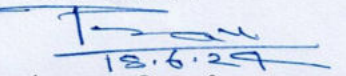
प्रसंग :- आपका पत्रांक - HWS/2024-25/11, दिनांक - 14.06.2024

महाशय,

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

अनु०:- यथोपरि।

विश्वासभाजन



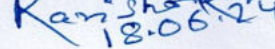
शोध पदाधिकारी

(वरीय अनुसंधान पदाधिकारी)

राज्य स्तरीय जल जाँच प्रयोगशाला,

(लोक स्वास्थ्य संस्थान, छज्जुबाग)

लोक स्वास्थ्य अभियंत्रण विभाग, बिहार, पटना।





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

Format No.: SLWTL/FRM/02

Issue No.: 218

Issue Date: 18.06.2024



Certificate  
No.: TC-5752

TEST REPORT

Report No: SLWTL/2024/GW-10897 ULR No.- TC57522400000218F Date of Reporting: 18.06.2024

Name of the Organisation/Person: Himalayan World School

Location Details: Char-Hazar Mohallah, Maner, Patna - 801108

Ref Memo No: HWS/2024-25/11, Dated- 14.06.2024

Sample Received on: 14.06.2024

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: 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: 14.06.2024

Date of Analysis Started: 14.06.2024

Date of Analysis Completed: 14.06.2024

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 <sup>rd</sup> Ed. 2017)	Results
1	pH Value	2.0	6.5-8.5	No relaxation	4500-H <sup>+</sup> B, 4-95 to 4-99	7.62
2	Turbidity, NTU	4.0	1	5	2130 B, 2-13 to 2-15	<4.0
3	Conductivity, $\mu$ mhos/cm	1.0	-	-	2510 B, 2-58 to 2-59	582.00
4	Total Dissolved Solid, mg/l	10.0	500	2000	2540C, 2-69 to 2-70	378.00
5	Total Hardness(as CaCO <sub>3</sub> ), 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	52.90
7	Magnesium(as Mg), mg/l	2.0	30	100	3500-Mg B, 3-86	27.21
8	Chloride(as Cl), mg/l	5.0	250	1000	4500-Cl B, 4-75	41.97
9	Alkalinity(as CaCO <sub>3</sub> ), mg/l	10.0	200	600	2320B, 2-37	284.00
10	Iron(as Fe), mg/l	0.01	1.0	No relaxation	3500-FeB 3-80 to 3-82	0.28
11	Nitrate(as NO <sub>3</sub> ), mg/l	1.0	45	No relaxation	4500-NO <sub>3</sub> B, 4-127, to 4-129	<1.0
12	Sulphate(as SO <sub>4</sub> ), mg/l	5.0	200	400	4500-SO <sub>4</sub> E, 4-199 to 4-200	37.60
13	Fluoride(as F), mg/l	0.01	1.0	1.5	4500-F C, 4-90 -4-92	0.12
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.

*Ravishankar*  
18.06.24  
(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 P.H.E.D. 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 -----

Prepared by: <i>Agarwal</i> Quality Manager	Approved by: <i>Pravin</i> S.R.O cum Technical Manager	Issued by: <i>Ravishankar</i> 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.: 218

**TEST REPORT**

Issue Date: 18.06.2024

Report No: SLWTL/2024/GW-10897 Date of Reporting: 18.06.2024

Name of the Organisation/Person: Himalayan World School

Location Details: Char-Hazar Mohallah, Maner, Patna - 801108

Ref Memo No: HWS/2024-25/11, Dated- 14.06.2024 Sample Received on: 14.06.2024

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: 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: 14.06.2024

Date of Analysis Started: 14.06.2024 Date of Analysis Completed: 18.06.2024

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 <sup>rd</sup> 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*  
18.06.24  
(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 P.H.E.D, Patna**

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

Prepared by: <i>Anurag Khatun</i> Quality Manager	Approved by: <i>T. Prasad</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
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