

पत्रांक 222 पटना / दिनांक 14/06/2024

प्रेषक,

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

सेवा में,

Principal,
J.M.V. Residential School
Chhitnawan, Danapur, Patna - 801502

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

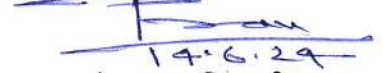
प्रसंग :- आपका पत्रांक - JM/182/Chhit/06/24, Dated- 12.06.2024 दिनांक - 12.06.2024

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,

(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	 Certificate No.: TC-5752
		Issue No.: 216	
TEST REPORT		Issue Date: 14.06.2024	

Report No: SLWTL/2024/GW-10840	ULR No.- TC575224000000216F	Date of Reporting: 14.06.2024
Name of the Organisation/Person: J.M.V. Residential School		
Location Details: Chhitnawan, Danapur, Patna - 801502		
Ref Memo No: JM/182/Chhit/06/24, Dated- 12.06.2024	Sample Received on: 12.06.2024	
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: 12.06.2024	
Date of Analysis Started: 12.06.2024	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 rd Ed. 2017)	Results
1	pH Value	2.0	6.5-8.5	No relaxation	4500-H ⁺ B, 4-95 to 4-99	7.08
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	404.30
4	Total Dissolved Solid, mg/l	10.0	500	2000	2540C, 2-69 to 2-70	262.00
5	Total Hardness(as CaCO ₃), mg/l	10.0	200	600	2340C, 2-48 to 2-50	156.00
6	Calcium(as Ca), mg/l	5.0	75	200	3500-Ca B, 3-69	36.87
7	Magnesium(as Mg), mg/l	2.0	30	100	3500-Mg B, 3-86	15.55
8	Chloride(as Cl), mg/l	5.0	250	1000	4500-Cl B, 4-75	13.99
9	Alkalinity(as CaCO ₃), mg/l	10.0	200	600	2320B, 2-37	216.00
10	Iron(as Fe), mg/l	0.01	1.0	No relaxation	3500-FeB 3-80 to 3-82	0.41
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	10.30
13	Fluoride(as F), mg/l	0.01	1.0	1.5	4500-F C, 4-90 -4-92	0.37
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
14-06-24
(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>Ayaz Khatun</i> Quality Manager	Approved by: <i>Franklin</i> S.R.O cum Technical Manager	Issued by: <i>Ravi Shankar</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

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TEST REPORT

Issue Date: 14.06.2024

Report No: SLWTL/2024/GW-10840

Date of Reporting: 14.06.2024

Name of the Organisation/Person: J.M.V. Residential School

Location Details: Chhitnawan, Danapur, Patna – 801502

Ref Memo No: JM/182/Chhit/06/24, Dated- 12.06.2024

Sample Received on: 12.06.2024

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: 12.06.2024

Date of Analysis Started: 12.06.2024

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 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

Ravishanker
14.06.24
(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:

Ajay Kishor
Quality Manager

Approved by:

T. Pravin
S.R.O cum Technical Manager

Issued by:

Ravishanker
Research Assistant cum Lab-in-charge

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Revision No.: 0

Revision Date: Nil