

पत्रांक102..... पटना / दिनांक 08/05/2023

प्रेषक,

वरीय अनुसंधान पदाधिकारी,
लोक स्वास्थ्य संस्थान, पटना ।
लोक स्वास्थ्य अभियंत्रण विभाग, बिहार, पटना ।

सेवा में,

Principal,
Sun High School,
Saraswati Dham, Basuhar,
Punpun, Patna-804453.

विषय :- जल जाँच रिपोर्ट प्रस्तुत करने हेतु।

प्रसंग- आपका पत्रांक- 21/23 दिनांक- 02.05.2023

महाशय,

उपरोक्त प्रासंगिक पत्र में निहित निर्देश के आलोक में कुल 01 अदद जल जाँच नमूना का सभी पारामीटर जाँच हेतु भेजा गया था। जिसके आलोक में जल जाँच कर जाँचोपरान्त जाँच रिपोर्ट अग्रेतर कार्यवाही हेतु प्रस्तुत किया जा रहा है।

विश्वासभाजन



वरीय अनुसंधान पदाधिकारी,
लोक स्वास्थ्य संस्थान, पटना ।
लोक स्वास्थ्य अभियंत्रण विभाग, बिहार, पटना ।

शुभेकर



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

Format No.: SLWTL/FRM/02

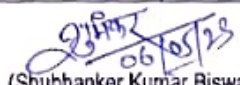
Issue No.: 113

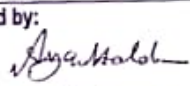
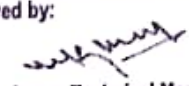
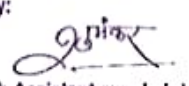
Issue Date: 06.05.2023



Certificate
No.: TC-5752

TEST REPORT

Report No: SLWTL/2023/GW-1714	ULR No.- TC575223000000113F	Date of Reporting: 06.05.2023				
Name of the Organisation/Person: Sun High School						
Location Details: Saraswati Dham, Basuher (Punpun), Patna-804453						
Ref Memo No: 21/23 dated 02.05.2023	Sample Received on: 02.05.2023					
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: Drinking 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: 02.05.2023					
Date of Analysis Started: 02.05.2023	Date of Analysis Completed: 06.05.2023					
Remarks: Submitted sample of water conform 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 23rd Ed. 2017)	Results
1	pH Value	2.0	6.5-8.5	No relaxation	4500-H+B, 4-95 to 4-99	7.17
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	335.00
4	Total Dissolved Solid, mg/l	10.0	500	2000	2540C, 2-69 to 2-70	218.00
5	Total Hardness(as CaCO_3), mg/l	10.0	200	600	2340C, 2-48 to 2-50	188.00
6	Calcium(as Ca), mg/l	5.0	75	200	3500-Ca B, 3-69	41.68
7	Magnesium(as Mg), mg/l	2.0	30	100	3500-Mg B, 3-86	20.41
8	Chloride(as Cl), mg/l	5.0	250	1000	4500-Cl B, 4-75	37.98
9	Alkalinity(as CaCO_3), mg/l	10.0	200	600	2320B, 2-37	192.00
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	5.70
13	Fluoride(as F), mg/l	0.01	1.0	1.5	4500-F C, 4-90 -4-92	0.25
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.  (Shubhanker Kumar Biswas) 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:  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

TEST REPORT

Format No.: SLWTL/FRM/02

Issue No.: 113

Issue Date: 06.05.2023

Report No: SLWTL/2023/GW-1714

Date of Reporting: 06.05.2023

Name of the Organisation/Person: Sun High School

Location Details: Saraswati Dham, Basuhat (Punpun), Patna-804453

Ref Memo No: 21/23 dated 02.05.2023

Sample Received on: 02.05.2023

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: Drinking 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: 02.05.2023

Date of Analysis Started: 02.05.2023

Date of Analysis Completed: 06.05.2023

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 23rd 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-Tesl-Tubo 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

(Shubhanker Kumar Biswas)

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

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

Prepared by:

Quality Manager

Approved by:

S.R.O cum Technical Manager

Issued by:

Research Assistant cum Lab-in-charge

Page 2 of 2

Revision No.: 0

Revision Date: Nil