

Annexure C

PROFORMA FOR SAFE DRINKING WATER AND SANITARY CONDITION CERTIFICATE

No. **330**

Dated: **20/07/2024**

It is certified that an inspection team headed by **Rajneesh Kumar Thakur**,

(Name of Officers with designation) from **P.H. Sub Division Dampar, Patna West**

inspected the **St. Karen's Collegiate School, Jaitipur, Bihta, Patna**

(Name & Address of the school) on **15/07/24** (date of inspection) and on the basis of

Water Test Report (Attached) bearing no. **261** dated **18/07/2024**

of **Senior Research Officer, State Level water testing lab.** (PHED Lab) certified that the

St. Karen's School (Name of school) has safe drinking water

facilities for the students and members of staff of the institution. School is also maintains the

hygienic sanitation condition in the school building & the campus as per norms prescribed by the

Central/ State/ U.T. Govt.

This certificate is valid till **18/07/25**

Signature with Seal:

Name

Designation

Name & Address of the Office / Department :

To

The Principal
St. Karen's Collegiate School
(Name & Address of the Institution)
Jaitipur, Bihta, Patna-801113

Note: The certificate is to be issued by authorized officer / PHED Lab / local bodies

त्रांक 261

पटना / दिनांक 18/07/2024

प्रेषक,

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

सेवा में,

Principal
St. Karen's Collegiate School
Jaitipur, Bihta, Patna – 801113

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

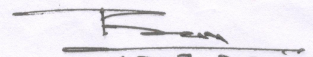
प्रसंग :- आपका पत्रांक – STKES/2024-25/07 दिनांक – 15.07.2024

महाशय,

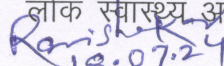
उपरोक्त प्रासंगिक पत्र के आलोक में कुल 02 अदद जल नमूना का सभी पारामीटर जाँच हेतु भेजा गया था। जाँचोपरांत जाँच प्रतिवेदन संलग्न कर भेजी जा रही है।



अनु० :- यथोपरि।

विश्वासभाजन


18.7.24
शोध पदाधिकारी

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


18.07.24

	STATE LEVEL WATER TESTING LABORATORY P.H.E.D., GOVERNMENT OF BIHAR	Format No.: SLWTL/FRM/02	 Certificate No.: TC-5752
		Issue No.: 248	
	TEST REPORT	Issue Date: 18.07.2024	

Report No: SLWTL/2024/GW-11574	ULR No.- TC575224000000248F	Date of Reporting: 18.07.2024
Name of the Organisation/Person: St. Karen's Collegiate School		
Location Details: Jaitipur, Bihta, Patna - 801113		
Ref Memo No: STKES/2024-25/07, 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	7.39
2	Turbidity, NTU	4.0	1	5	2130 B, 2-13 to 2-15	<4.0
3	Conductivity, μ mh/cm	1.0	-	-	2510 B, 2-58 to 2-59	656.00
4	Total Dissolved Solid, mg/l	10.0	500	2000	2540C, 2-69 to 2-70	426.00
5	Total Hardness(as CaCO ₃), mg/l	10.0	200	600	2340C, 2-48 to 2-50	212.00
6	Calcium(as Ca), mg/l	5.0	75	200	3500-Ca B, 3-69	40.09
7	Magnesium(as Mg), mg/l	2.0	30	100	3500-Mg B, 3-86	22.35
8	Chloride(as Cl), mg/l	5.0	250	1000	4500-Cl B, 4-75	17.99
9	Alkalinity(as CaCO ₃), mg/l	10.0	200	600	2320B, 2-37	228.00
10	Iron(as Fe), mg/l	0.01	1.0	No relaxation	3500-FeB 3-80 to 3-82	0.32
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	8.20
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.

Ravishankar
18.07.24
(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>Agarkhola</i> Quality Manager	Approved by: <i>Ravishankar</i> S.R.O cum Technical Manager	Issued by: <i>Ravishankar</i> Research Assistant cum Lab-in-charge	Page 1 of 4 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.: 248

TEST REPORT

Issue Date: 18.07.2024

Report No: SLWTL/2024/GW-11574				Date of Reporting: 18.07.2024		
Name of the Organisation/Person: St. Karen's Collegiate School						
Location Details: Jaitipur, Bihta, Patna – 801113						
Ref Memo No: STKES/2024-25/07, 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						
					Ravishankar 18.07.24 (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	
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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 4 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.: 248

Issue Date: 18.07.2024



Certificate
No.: TC-5752

TEST REPORT

Report No: SLWTL/2024/GW-11575 ULR No.- TC575224000000248F Date of Reporting: 18.07.2024

Name of the Organisation/Person: St. Karen's Collegiate School

Location Details: Jaitipur, Bihta, Patna – 801113

Ref Memo No: STKES/2024-25/07, 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: 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: 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 23rd Ed. 2017)	Results
1	pH Value	2.0	6.5-8.5	No relaxation	4500-H+B, 4-95 to 4-99	7.27
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	444.60
4	Total Dissolved Solid, mg/l	10.0	500	2000	2540C, 2-69 to 2-70	288.00
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	46.49
7	Magnesium(as Mg), mg/l	2.0	30	100	3500-Mg B, 3-86	17.49
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	238.00
10	Iron(as Fe), mg/l	0.01	1.0	No relaxation	3500-FeB 3-80 to 3-82	0.36
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	10.40
13	Fluoride(as F), mg/l	0.01	1.0	1.5	4500-F C, 4-90 –4-92	0.23
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.

Ravishanker
18.07.24
(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 -----

Prepared by:

Aravind Singh
Quality Manager

Approved by:

Aravind Singh
S.R.O cum Technical Manager

Issued by:

Ravishanker
Research Assistant cum Lab-in-charge

Page 3 of 4

Revision No.: 0

Revision Date: Nil



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

Format No.: SLWTL/FRM/02

Issue No.: 248

TEST REPORT

Issue Date: 18.07.2024

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Location Details: Jaitipur, Bihta, Patna - 801113						
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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: 15.07.2024			
Date of Analysis Started: 15.07.2024			Date of Analysis Completed: 18.07.2024			
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2	Coliform Organisms, MPN/100ml	--	--	**	M-Test-Tube Technique	Absent
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Copy forwarded to: (i) S.R.O., PHED, Govt. of Bihar, (ii) Engineer-in-Chief, PHED, Govt. of Bihar					Signature of Lab-In-charge (Ravi Shankar) 18.07.24 Lab-in-charge SLWTL, P.H.E.D, Patna	
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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 4 of 4 Revision No.: 0 Revision Date: Nil
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