



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

Format No.: SLWTL/FRM/02

Issue No.: 137



Certificate
No.: TC-5752

TEST REPORT

Issue Date: 13.04.2024

Report No: SLWTL/2024/GW-6367 ULR No.- TC57522400000137F Date of Reporting: 13.03.2024

Name of the Organisation/Person: Littera Public School

Location Details: N.H-31, Moujipur Vikrampur, Near Chhapak Water Park, Patna

Ref Memo No: Nil Sample Received on: 10.04.2024

Sample Collected by SLWTL (SLWTL collect sample followed by the Sampling Procedure "SLWTL/PCD/02/15"): Yes

Type of Sample: Ground Water Source of Sample: Bore Well

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: 10.04.2024

Date of Analysis Started: 10.04.2024 Date of Analysis Completed: 13.04.2024

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	7.62
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	457.70
4	Total Dissolved Solid, mg/l	10.0	500	2000	2540C, 2-69 to 2-70	298.00
5	Total Hardness(as CaCO ₃), mg/l	10.0	200	600	2340C, 2-48 to 2-50	168.00
6	Calcium(as Ca), mg/l	5.0	75	200	3500-Ca B, 3-69	44.88
7	Magnesium(as Mg), mg/l	2.0	30	100	3500-Mg B, 3-86	19.44
8	Chloride(as Cl), mg/l	5.0	250	1000	4500-Cl B, 4-75	15.99
9	Alkalinity(as CaCO ₃), mg/l	10.0	200	600	2320B, 2-37	246.00
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	6.90
13	Fluoride(as F), mg/l	0.01	1.0	1.5	4500-F C, 4-90 -4-92	0.31
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
13.04.24
(Ravi Shankar)

Signature of Lab-in-charge

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Lab-in-charge
SLWTL PHED, Patna

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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>Agarwala</i> Quality Manager	Approved by: <i>Franklin</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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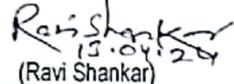
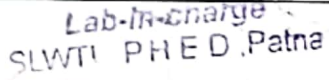
STATE LEVEL WATER TESTING LABORATORY
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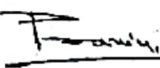
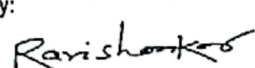
Format No.: SLWTL/FRM/02

Issue No.: 137

TEST REPORT

Issue Date: 13.04.2024

Report No: SLWTL/2024/GW-6367				Date of Reporting: 13.04.2024		
Name of the Organisation/Person: Littera Public School						
Location Details: N.H-31, Moujipur Vikrampur, Near Chhapak Water Park, Patna						
Ref Memo No: Nil			Sample Received on: 10.04.2024			
Sample Collected by SLWTL (SLWTL collect sample followed by the Sampling Procedure "SLWTL/PCD/02/15"): Yes						
Type of Sample: Ground Water			Source of Sample: Bore Well			
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: 10.04.2024			
Date of Analysis Started: 10.04.2024			Date of Analysis Completed: 13.04.2024			
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) Signature of Lab-In-charge	
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					 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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Certificate
No.: TC-5752

TEST REPORT

Report No: SLWTL/2024/GW-6368	ULR No.- TC575224000000137F	Date of Reporting: 13.03.2024				
Name of the Organisation/Person: Littera Public School						
Location Details: N.H-31, Moujipur Vikrampur, Near Chhapak Water Park, Patna						
Ref Memo No: Nil	Sample Received on: 10.04.2024					
Sample Collected by SLWTL (SLWTL collect sample followed by the Sampling Procedure "SLWTL/PCD/02/15"): Yes						
Type of Sample: Ground Water	Source of Sample: Filter 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: 10.04.2024					
Date of Analysis Started: 10.04.2024	Date of Analysis Completed: 13.04.2024					
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	7.73
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	454.90
4	Total Dissolved Solid, mg/l	10.0	500	2000	2540C, 2-69 to 2-70	296.00
5	Total Hardness(as CaCO ₃), mg/l	10.0	200	600	2340C, 2-48 to 2-50	184.00
6	Calcium(as Ca), mg/l	5.0	75	200	3500-Ca B, 3-69	48.09
7	Magnesium(as Mg), mg/l	2.0	30	100	3500-Mg B, 3-86	21.38
8	Chloride(as Cl), mg/l	5.0	250	1000	4500-Cl B, 4-75	15.99
9	Alkalinity(as CaCO ₃), mg/l	10.0	200	600	2320B, 2-37	234.00
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	5.30
13	Fluoride(as F), mg/l	0.01	1.0	1.5	4500-F C, 4-90 -4-92	0.33
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.						
						<p><i>Ravi Shankar</i> 13.03.24 (Ravi Shankar) Signature of Lab-In-charge</p>
Copy forwarded to: (i) S.R.O, PHED, Govt. of Bihar, (ii) Engineer-in-Chief, PHED, Govt. of Bihar						<p>Lab-In-charge SLWTI PHED, Patna</p>
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----- END OF TEST REPORT -----						

Prepared by: <i>Ajay Kishor</i> Quality Manager	Approved by: <i>Pranvi</i> S.R.O cum Technical Manager	Issued by: <i>Ravi Shankar</i> Research Assistant cum Lab-in-charge	Page 3 of 4 Revision No.: 0 Revision Date: Nil
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TEST REPORT

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Report No: SLWTL/2024/GW-6368

Date of Reporting: 13.04.2024

Name of the Organisation/Person: Littera Public School

Location Details: N.H-31, Moujipur Vikrampur, Near Chhapak Water Park, Patna

Ref Memo No: Nil

Sample Received on: 10.04.2024

Sample Collected by SLWTL (SLWTL collect sample followed by the Sampling Procedure "SLWTL/PCD/02/15"): Yes

Type of Sample: Ground Water

Source of Sample: Filter 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: 10.04.2024

Date of Analysis Started: 10.04.2024

Date of Analysis Completed: 13.04.2024

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
13.04.24
(Ravi Shankar)

Signature of Lab-In-charge

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Lab-in-charge
SLWTL PHED, Patna

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Prepared by:

Ayaz Akhbar

Quality Manager

Approved by:

Franklin

S.R.O cum Technical Manager

Issued by:

Ravishankar

Research Assistant cum Lab-in-charge

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Revision No.: 0

Revision Date: Nil

