

Date of Analysis Started: 10.04.2024

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

Format No.: SLWTL/FRM/02

Issue No.: 137

Date of Analysis Completed: 13.04.2024

Issue Date: 13.04.2024



TEST REPORT

Report No: SLWTL/2024/GW-6367 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: 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

Remarks: Submitted sample of water confirm to IS:10500-2012 with respect to tested parameters

SI. 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, µmhos/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-SO4 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.

(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 SIMTL PHED, 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

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Prepared by:	Approved by:	Issued by:	Page 1 of 4
SyaMold	- and wi	Rarishanker	Revision No.: 0
Quality Manager	S.R.O cum Technical Manager	Research Assistant cum Lab-in-charge	Revision Date: Nil

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



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TEST REPORT

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. Minimum Permissible Limit* Desirable Method of Testing Parameters **Parameters** No. Detection in absence of Results Limit* (APHA 23™ Ed. 2017) Limit alternate source 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 Copy forwarded to: (i) S.R.O , PHED, Govt. of Bihar, (ii) Engineer-in-Chief, PHED, Govt. of Bihar Lab-in-charge SLWTI PHED Patna

Received By

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END OF TEST REPORT -

Prepared by: Approved by: Issued by: Page 2 of 4 Revision No.: 0 Quality Manager S.R.O cum Technical Manager Revision Date: Nil Research Assistant cum Lab-in-charge



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

Issue No.: 137



TEST REPORT

Issue Date: 13.04.2024

Format No.: SLWTL/FRM/02

ULR No.- TC575224000000137F Date of Reporting: 13.03.2024 Report No: SLWTL/2024/GW-6368 Name of the Organisation/Person: Littera Public School Location Details: N.H-31, Moujipur Vikrampur, Near Chhapak Water Park, Patna Sample Received on: 10.04.2024 Ref Memo No: Nil Sample Collected by SLWTL (SLWTL collect sample followed by the Sampling Procedure "SLWTL/PCD/02/15"): Yes Source of Sample: Filter Water Type of Sample: Ground Water Type of Container: Plastic Volume of Sample: 1 Ltr Sample Condition: Sealed Mode of Preservation: Preserved Deviation of Method, If Any: NIL Date of Sampling: 10.04.2024 Date of Analysis Completed: 13.04.2024 Date of Analysis Started: 10.04.2024 Remarks: Submitted sample of water confirm to IS:10500-2012 with respect to tested parameters. Permissible Limit* Minimum Method of Testing Parameters SI. Desirable Results **Parameters** in absence of Detection (APHA 23rd Ed. 2017) No. Limit* alternate source Limit 7.73 4500-H+B, 4-95 to 4-99 1 pH Value 2.0 6.5-8.5 No relaxation <4.0 2 2130 B, 2-13 to 2-15 Turbidity, NTU 4.0 454.90 3 2510 B, 2-58 to 2-59 Conductivity, µmhos/cm 1.0 296.00 4 2000 2540C, 2-69 to 2-70 10.0 500 Total Dissolved Solid, mg/l 184.00 2340C, 2-48 to 2-50 5 Total Hardness(as CaCO₃), mg/l 10.0 200 600 48.09 3500-Ca B, 3-69 6 5.0 75 200 Calcium(as Ca), mg/l 21.38 3500-Mg B, 3-86 7 2.0 30 100 Magnesium(as Mg), mg/l 15.99 8 Chloride(as Cl), mg/l 5.0 250 1000 4500-CI B, 4-75 2320B, 2-37 234.00 9 10.0 200 600 Alkalinity(as CaCO₃), mg/l < 0.01 0.01 No relaxation 3500-FeB 3-80 to 3-82 1.0 10 Iron(as Fe), mg/l 45 4500-NO₃B, 4-127, to 4-129 <1.0 1.0 No relaxation 11 Nitrate(as NO₃), mg/l 5.30 5.0 200 400 4500-SO4 E , 4-199 to 4-200 12 Sulphate(as SO₄), mg/l 0.33 1.5 4500-F C, 4-90 -4-92 0.01 1.0 13 Fluoride(as F), mg/l 0.01 0.005 No relaxation 3500-As A & B,3-66 to 3-68 < 0.005 14 Arsenic(as As), mg/l Note: * (i) Drinking Water Specification Second Revision -IS: 10500:2012., ND=Not Done, NR=Not Required. 13.03.2 (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 is SLWTUPHED Patha

Prepared by:	Approved by:	Issued by:	Page 3 of 4
Siga Hold	T-ania.	Ravishankers	Revision No.: 0
Quality Manager	S.R.O cum Technical Manager	Research Assistant cum Lab-in-charge	Revision Date: Nil

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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				
Sam	ple Collected by SLWTL (SLWTL colle	ct sample fo	llowed by th	ne Sampling Procedu	re "SLWTL	/PCD/02/15"): Yes		
Type of Sample: Ground Water				Source of Sample: Filter Water				
Volume of Sample: 250 ml.			Type of Container: Plastic					
Mod	e of Preservation: Preserved			Sample Condition: Sealed				
Devi	ation of Method , If Any: NIL			Date of Sampling	Date of Sampling: 10.04.2024			
Date	of Analysis Started: 10.04.2024			Date of Analysis	Date of Analysis Completed: 13.04.2024			
Remarks: Submitted sample of water confirm to IS:10500-2012 with respect to tested parameters.								
SI. No.	Parameters	Minimum Detection Limit	Desirable Limit*	Permissible Limit* in absence of alternate source	Method of Testing Parameters (APHA 23 rd Ed. 2017) Res			
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 Abser		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						In-charge		
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