TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

DISTRICT WATER TESTING LABORATORY

TWAD BOARD,Buliding Centre,Opp,Vinayaga Inn,Kotagiri Road

Udhagamandalm-643001. Phone: 0423 - 2445535

E-mail: jwaooty.nilgiris@gmail.com

TC-15229

TEST REPORT

Doc.No: DWTL/FORM/7.8/01

Report No:	TR /2026/727-1	Report Issue Date :	12.10.2026
Invoice Details:	552/Dt. 08.10.2026 Amt.Rs.8,260/-		
ULR No	TC1522026000000727F		

SS Client Name & Address Contact No / Email.ID	:	The Headmaster, The Lawrence School, Lovedale, The Nilgiris
Sample Name	:	Water
Sample code	:	2026/727-1
Sample Description	:	Drinking Water (Lake Water)
Sample Submitted by	:	Customer - The Headmaster
Location & Date	:	Tap Water at Junior School Kitchen & 08.10.2026
Quantity of sample Received	:	2 Litre
Sample Container	:	Plastic – Good condition
Sample Condition on Receipt	:	Good
Sample Received On	:	08.10.2026
Test Commenced on	:	08.10.2026
Test Completed on	:	12.10.2026
Environmental Condition	:	23°C to 27°C

S.No	Parameters	Test Method	Unit	Result	Specification as per IS 10500 : 2012	
					Acceptable Limit	Permissible Limit in the absence of alternate source
1	pH @ 25° C	IS 3025 Part 11-2022	-	7.33	6.5-8.5	6.5-8.5
2	Total Hardness as $CaCO_3$	IS 3025 Part 21-2009	mg/L	16	200	600
3	Total Alkalinity as $CaCO_3$	IS 3025–Part 23-2023	mg/L	12	200	600
4	Chloride as Cl	IS 3025-Part 32-1988	mg/L	06	250	1000
5	Sulphate as SO4	IS 3025-Part 24// Sec-1 Turbidity method -2022	mg/L	<5	200	400
6	Nitrate as NO_3	APHA 24rd Edition 2023– 4500 –NO3 B	mg/L	<2	45	45
7	Fluoride as F	APHA 24rd Edition 2023– 4500- F-D	mg/L	01	1.0	1.5

Remarks - The above water samples confirmed to IS 10500 - 2012 Drinking water specification with respect to above tested parameters.

Reviewed & Authorised Signatory

12/10/2026

S.Sangeetha
Assistant Executive Engineer,
TWAD BD,D.W.T Lab,Ooty

1.The test results relate only to the items tested.
2.The test report shall not be reproduced anywhere except in full and in the same format without the permission of the laboratory.
3.Unless informed by customer, the test items will not be retained for more than 15 days from the date of issue of the test report.
4.The result applied to the sample as received basis.

.....End of the Report.....

TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

DISTRICT WATER TESTING LABORATORY

TWAD BOARD,Buliding Centre,Opp,Vinayaga Inn,Kotagiri Road

Udhagamandalm-643001. Phone: 0423 - 2445535

E-mail: jwaooty.nilgiris@gmail.com

TEST REPORT

Doc.No: DWTL/FORM/7.8/01

Sample / Lab No:	TR /2026/727-2	Report Issue Date :	12.10.2026
Invoice Details:	552/Dt. 08.10.2026 Amt.Rs.8,260/-		

Client Name & Address Contact No / Email.ID	:	The Headmaster, The Lawrence School, Lovedale, The Nilgiris
Sample Name	:	Water
Sample code	:	2026/727-2
Sample Description	:	Drinking Water (Lake Water)
Sample Submitted by	:	Customer - The Headmaster
Location & Date	:	Tap Water at Junior School Kitchen & 08.10.2026
Quantity of sample Received	:	2 Litre
Sample Container	:	Plastic – Good condition
Sample Condition on Receipt	:	Good
Sample Received On	:	08.10.2026
Test Commenced on	:	08.10.2026
Test Completed on	:	12.10.2026
Environmental Condition	:	23°C to 27°C

S.No	Parameters	Test Method	Unit	Result	Specification as per IS 10500 : 2012	
					Acceptable Limit	Permissible Limit
8	Appearance	Physical observation	--	Clear	-	-
9	Colour	APHA - 24rd (Edn) 4500 H+B	Hazen	Colourless	Agreeable	Agreeable
10	Odour	IS 3025 Part 5 : 1983	--	None	-	-
11	Turbidity	APHA 24rd Edition 2023- 2130 B	NTU	0	1	5
12	Total Dissolved Solids	APHA 24rd Edition 2023- 2540 C	mg/L	35	500	2000
13	Conductivity	APHA 24rd Edition 2023- 2540 C B	µS/cm	50	-	-
14	P - Alkalinity	IS 3025-part 23-2023	mg/L	0	-	-
15	Calcium	APHA 24rd Edition 2023 - 3500 Ca B	mg/L	05	75	200
16	Magnesium	APHA 24rd Edition 2023- 3500 Mg BB	mg/L	01	30	100
17	Sodium	APHA 24rd Edition 2023 - 3500 Na B	mg/L	03	-	-
18	Potassium	APHA 24rd Edition 2023 - 3500 K B	mg/L	1.5	-	-
19	Iron	APHA 24rd Edition 2023- 3500 Fe B	mg/L	0.025	S0.3	1
20	Manganese	APHA 24rd Edition 2023 - 3500 Mn B	mg/L	0.000	0.1	0.3
21	Ammonia	APHA 24rd Edition 2023- 4500 NH_3C	mg/L	0.036	S0.5	0.5
22	Nitrite as NO_2	APHA 24rd Edition 2023- 4500 -NO_2 B	mg/L	0.00	0.0	0.0
23	Total Phosphate as PO4	APHA 24rd Edition 2023 - 4500 P- D	mg/L	0.012	-	-
24	Residual Chlorine	IS/APHA	mg/L	0.2		
25	Feacal Coliform	IS/APHA	CFU/ 100 ML	0	-	-

Remarks - The above water samples Confirmed to IS 10500 - 2012 Drinking water specification with respect to above tested parameter

Authorised Signatory

12/10/2026

S.Sangeetha

Assistant Executive Engineer,

TWAD BD,D.W.T Lab, Ooty:

1. The test results relate only to the items tested.
2. The test report shall not be reproduced anywhere except in full and in the same format without the permission of the laboratory.
3. Unless informed by customer, the test items will not be retained for more than 15 days from the date of issue of the test report.
4. The result applied to the sample as received basis.

.....End of the report.....

TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

DISTRICT WATER TESTING LABORATORY

TWAD BOARD,Buliding Centre,Opp,Vinayaga Inn,Kotagiri Road

Udhagamandalm-643001. Phone: 0423 - 2445535

E-mail: jwaooty.nilgiris@gmail.com

TC-15220

TEST REPORT

Doc.No: DWTL/FORM/7.8/01

Report No:	TR /2026/571-1	Report Issue Date :	13.08.2026
Invoice Details:	485/Dt.10.08.2026 Amt.Rs.9,912/-		
ULR No	TC1522026000000571F		

Client Name & Address Contact No / Email.ID	:	The Headmaster , The Lawrence School, Lovedale
Sample Name	:	Water
Sample code	:	2026/571-1
Sample Description	:	Drinking Water (Lake Water)
Sample Submitted by	:	Customer - The Headmaster,
Location & Date	:	Junior School , The Lawrence School, Lovedale & 10.08.2026
Quantity of sample Received	:	2 Litre
Sample Container	:	Plastic – Good condition
Sample Condition on Receipt	:	Good
Sample Received On	:	10.08.2026
Test Commenced on	:	10.08.2026
Test Completed on	:	13.08.2026
Environmental Condition	:	23°C to 27°C

S.No	Parameters	Test Method	Unit	Result	Specification as per IS 10500 : 2012	
					Acceptable Limit	Permissible Limit in the absence of alternate source
1	pH @ 25° C	IS 3025 Part 11-2022	-	7.66	6.5-8.5	6.5-8.5
2	Total Hardness as $CaCO_3$	IS 3025 Part 21-2009	mg/L	13	200	600
3	Total Alkalinity as $CaCO_3$	IS 3025–Part 23-2023	mg/L	08	200	600
4	Chloride as Cl	IS 3025-Part 32-1988	mg/L	05	250	1000
5	Sulphate as SO4	IS 3025-Part 24// Sec-1 Turbidity method -2022	mg/L	<5	200	400
6	Nitrate as NO_3	APHA 24rd Edition 2023– 4500 –NO3 B	mg/L	<2	45	45
7	Fluoride as F	APHA 24rd Edition 2023– 4500- F-D	mg/L	01	1.0	1.5

Remarks - The above water samples confirmed to IS 10500 - 2012 Drinking water specification with respect to above tested parameters.

Reviewed & Authorised Signatory

13/8/2026

S.Sangeetha
Assistant Executive Engineer,
TWAD BD,D.W.T Lab,Ooty

1.The test results relate only to the items tested.
2.The test report shall not be reproduced anywhere except in full and in the same format without the permission of the laboratory.
3.Unless informed by customer, the test items will not be retained for more than 15 days from the date of issue of the test report.
4.The result applied to the sample as received basis.

.....End of the Report.....

TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

DISTRICT WATER TESTING LABORATORY

TWAD BOARD,Buliding Centre,Opp,Vinayaga Inn,Kotagiri Road

Udhagamandalm-643001. Phone: 0423 - 2445535

E-mail: jwaooty.nilgiris@gmail.com

TEST REPORT

Doc.No: DWTL/FORM/7.8/01

Sample / Lab No:	TR /2026/571-2	Report Issue Date :	13.08.2026
Invoice Details:	485/Dt. 10.08.2026/Amt. Rs.9,912/-		

Client Name & Address Contact No / Email.ID	:	The Headmaster, The Lawrence School, Lovedale.
Sample Name	:	Water
Sample code	:	2026/571-2
Sample Description	:	Drinking Water (Lake Water)
Sample Submitted by	:	Customer – The Headmaster,
Location & Date	:	Junior School, The Lawrence School, Lovedale & 10.08.2026
Quantity of sample Received	:	2 Litre
Sample Container	:	Plastic – Good condition
Sample Condition on Receipt	:	Good
Sample Received On	:	10.08.2026
Test Commenced on	:	10.08.2026
Test Completed on	:	13.08.2026
Environmental Condition	:	23°C to 27°C

S.No	Parameters	Test Method	Unit	Result	Specification as per IS 10500 : 2012	
					Acceptable Limit	Permissible Limit
8	Appearance	Physical observation	--	Clear	-	-
9	Colour	APHA - 24rd (Edn) 4500 H+B	Hazen	Colourless	Agreeable	Agreeable
10	Odour	IS 3025 Part 5 : 1983	--	None	-	-
11	Turbidity	APHA 24rd Edition 2023- 2130 B	NTU	0	1	5
12	Total Dissolved Solids	APHA 24rd Edition 2023- 2540 C	mg/L	25	500	2000
13	Conductivity	APHA 24rd Edition 2023- 2540 C B	µS/cm	35	-	-
14	P - Alkalinity	IS 3025-part 23-2023	mg/L	0	-	-
15	Calcium	APHA 24rd Edition 2023 - 3500 Ca B	mg/L	04	75	200
16	Magnesium	APHA 24rd Edition 2023- 3500 Mg BB	mg/L	01	30	100
17	Sodium	APHA 24rd Edition 2023 - 3500 Na B	mg/L	02	-	-
18	Potassium	APHA 24rd Edition 2023 - 3500 K B	mg/L	01	-	-
19	Iron	APHA 24rd Edition 2023- 3500 Fe B	mg/L	0.00	0.3	1
20	Manganese	APHA 24rd Edition 2023 - 3500 Mn B	mg/L	0.00	0.1	0.3
21	Ammonia	APHA 24rd Edition 2023- 4500 NH_3C	mg/L	0.00	0.5	0.5
22	Nitrite as NO_2	APHA 24rd Edition 2023- 4500 -NO_2 B	mg/L	0.00	0.0	0.0
23	Total Phosphate as PO4	APHA 24rd Edition 2023 - 4500 P- D	mg/L	0.00	-	-
24	Residual Chorine	IS/APHA	mg/L	0.2		
25	Feacal Coliform	IS/APHA	CFU/ 100 ML	0.0	-	-

Remarks - The above water samples confirmed to IS 10500 - 2012 Drinking water specification with respect to above tested parameter

Authorised Signatory

13/8/2026

S.Sangeetha

Assistant Executive Engineer,

TWAD BD,D.W.T Lab, Ooty.

1. The test results relate only to the items tested.
2. The test report shall not be reproduced anywhere except in full and in the same format without the permission of the laboratory.
3. Unless informed by customer, the test items will not be retained for more than 15 days from the date of issue of the test report.
4. The result applied to the sample as received basis.

.....End of the report.....

TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

DISTRICT WATER TESTING LABORATORY

TWAD BOARD,Buliding Centre,Opp,Vinayaga Inn,Kotagiri Road

Udhagamandalm-643001. Phone: 0423 - 2445535

E-mail: jwaooty.nilgiris@gmail.com

TEST REPORT

Doc.No: DWTL/FORM/7.8/01

Report No:	TR /2026/635-1	Report Issue Date :	05.09.2026
Invoice Details:	513/Dt.02.09.2026 Amt.Rs.8,260/-		
ULR No	TC1522026000000635F		

Client Name & Address Contact No / Email.ID	:	The Headmaster, The Lawrence School, Lovedale,Ooty, The Nilgiris-643003
Sample Name	:	Water
Sample code	:	2026/635-1
Sample Description	:	Drinking Water (Lake Water)
Sample Submitted by	:	Customer - The Headmaster,
Location & Date	:	Junior School , Lawrence School, Lovedale & 02.09.2026
Quantity of sample Received	:	2 Litre
Sample Container	:	Plastic – Good condition
Sample Condition on Receipt	:	Good
Sample Received On	:	02.09.2026
Test Commenced on	:	02.09.2026
Test Completed on	:	05.09.2026
Environmental Condition	:	23°C to 27°C

S.No	Parameters	Test Method	Unit	Result	Specification as per IS 10500 : 2012	
					Acceptable Limit	Permissible Limit in the absence of alternate source
1	pH @ 25° C	IS 3025 Part 11-2022	-	7.56	6.5-8.5	6.5-8.5
2	Total Hardness as $CaCO_3$	IS 3025 Part 21-2009	mg/L	14	200	600
3	Total Alkalinity as $CaCO_3$	IS 3025–Part 23-2023	mg/L	09	200	600
4	Chloride as Cl	IS 3025-Part 32-1988	mg/L	06	250	1000
5	Sulphate as SO4	IS 3025-Part 24// Sec-1 Turbidity method -2022	mg/L	<5	200	400
6	Nitrate as NO_3	APHA 24rd Edition 2023– 4500 –NO3 B	mg/L	<2	45	45
7	Fluoride as F	APHA 24rd Edition 2023– 4500- F-D	mg/L	01	1.0	1.5

Remarks - The above water samples confirmed to IS 10500 - 2012 Drinking water specification with respect to above tested parameters.

Reviewed & Authorised Signatory

5/9/2026

S.Sangeetha
Assistant Executive Engineer,
TWAD BD,D.W.T Lab,Ooty

1.The test results relate only to the items tested.
2.The test report shall not be reproduced anywhere except in full and in the same format without the permission of the laboratory.
3.Unless informed by customer, the test items will not be retained for more than 15 days from the date of issue of the test report.
4.The result applied to the sample as received basis.

.....End of the Report.....

TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

DISTRICT WATER TESTING LABORATORY

TWAD BOARD,Buliding Centre,Opp,Vinayaga Inn,Kotagiri Road

Udhagamandalm-643001. Phone: 0423 - 2445535

E-mail: jwaooty.nilgiris@gmail.com

TEST REPORT

Doc.No: DWTL/FORM/7.8/01

Sample / Lab No:	TR /2026/635-2	Report Issue Date :	05.09.2026
Invoice Details:	513/Dt. 02.09.2026/Amt. Rs.8,260/-		

Client Name & Address Contact No / Email.ID	:	The Headmaster, The Lawrence School, Lovedale,Ooty, The Nilgiris-643003
Sample Name	:	Water
Sample code	:	2026/635-2
Sample Description	:	Drinking Water (Lake Water)
Sample Submitted by	:	Customer – The Headmaster,
Location & Date	:	Junior School, Lawrence School, Lovedale & 02.09.2026
Quantity of sample Received	:	2 Litre
Sample Container	:	Plastic – Good condition
Sample Condition on Receipt	:	Good
Sample Received On	:	02.09.2026
Test Commenced on	:	02.09.2026
Test Completed on	:	05.09.2026
Environmental Condition	:	23°C to 27°C

S.No	Parameters	Test Method	Unit	Result	Specification as per IS 10500 : 2012	
					Acceptable Limit	Permissible Limit
8	Appearance	Physical observation	--	Clear	-	-
9	Colour	APHA - 24rd (Edn) 4500 H+B	Hazen	Colourless	Agreeable	Agreeable
10	Odour	IS 3025 Part 5 : 1983	--	None	-	-
11	Turbidity	APHA 24rd Edition 2023- 2130 B	NTU	0	1	5
12	Total Dissolved Solids	APHA 24rd Edition 2023- 2540 C	mg/L	30	500	2000
13	Conductivity	APHA 24rd Edition 2023- 2540 C B	µS/cm	43	-	-
14	P - Alkalinity	IS 3025-part 23-2023	mg/L	0	-	-
15	Calcium	APHA 24rd Edition 2023 - 3500 Ca B	mg/L	04	75	200
16	Magnesium	APHA 24rd Edition 2023- 3500 Mg BB	mg/L	01	30	100
17	Sodium	APHA 24rd Edition 2023 - 3500 Na B	mg/L	02	-	-
18	Potassium	APHA 24rd Edition 2023 - 3500 K B	mg/L	01	-	-
19	Iron	APHA 24rd Edition 2023- 3500 Fe B	mg/L	0.00	0.3	1
20	Manganese	APHA 24rd Edition 2023 - 3500 Mn B	mg/L	0.00	0.1	0.3
21	Ammonia	APHA 24rd Edition 2023- 4500 NH_3C	mg/L	0.00	0.5	0.5
22	Nitrite as NO_2	APHA 24rd Edition 2023- 4500 -NO_2 B	mg/L	0.00	0.0	0.0
23	Total Phosphate as PO4	APHA 24rd Edition 2023 - 4500 P- D	mg/L	0.00	-	-
24	Residual Chorine	IS/APHA	mg/L	✓0.2		
25	Feacal Coliform	IS/APHA	CFU/ 100 ML	0	-	-

Remarks - The above water samples confirmed to IS 10500 - 2012 Drinking water specification with respect to above tested parameter

Authorised Signatory

S.Sangeetha

Assistant Executive Engineer,

TWAD BD,D.W.T Lab, Ooty.

1. The test results relate only to the items tested.
2. The test report shall not be reproduced anywhere except in full and in the same format without the permission of the laboratory.
3. Unless informed by customer, the test items will not be retained for more than 15 days from the date of issue of the test report.
4. The result applied to the sample as received basis.

.....End of the report.....