

BEFORE THE NATIONAL GREEN TRIBUNAL
SOUTHERN ZONE, CHENNAI
Original Application No. 29 of 2025 (SZ)

IN THE MATTER OF

Tribunal on its own motion Suo Moto
Based on the news item published in
The Hindustan Times, Dated 06.12.2024,
Under the caption "3 dead due to contaminated
Drinking water near Chennai" and in
The Times of India, dated 07.12.2024 Under
The caption "Pathogens to watch out for
Taps near sewage lines could be behind
Chennai contamination deaths"

...Suo Moto

-Vs.-

1. Tamil Nadu Pollution Control Board,
Through its Member Secretary,
Tamil Nadu Pollution Control Board & Ors

...Respondents

INDEX

Sl.No.	Date	Description of Documents	Page
1	27.01.2025	Report filed by the 3 rd Respondent	1
2	05.12.2024	Compilation of Test Report (Annexure -A1)	9
3	09.12.2024	Compilation of Test Report (Annexure -A2)	17
4	10.12.2024	Compilation of Test Report (Annexure -A3)	31
5	11.12.2024	Compilation of Test Report (Annexure - A4)	45
6	12.12.2024	Compilation of Test Report (Annexure - A5)	65

Dated at Chennai on this the 6th day of February, 2024.



Counsel for ~~Respondent~~-3.

**BEFORE THE NATIONAL GREEN TRIBUNAL
SOUTHERN ZONE, CHENNAI**

Original Application No. of 2025(SZ)

IN THE MATTER OF

Tribunal on its own motion Suo Moto
Based on the news item published in
The Hindustan Times, dated 06.12.2024,
Under the caption "3 dead due to contaminated
drinking water near Chennai" and in
The Times of India, dated 07.12.2024 Under
the caption "Pathogens to watch out for
Taps near sewage lines could be behind
Chennai contamination deaths".

...Suo Moto.

-Vs-

1. Tamil Nadu Pollution Control Board,
Through its Member Secretary,
Tamil Nadu Pollution Control Board,
No.76, Mount Salai, Guindy, Chennai – 600 032.
2. Central Pollution Control Board,
Through its Member Secretary,
Parivesh Bhawan, East Arjun Nagar,
Delhi – 110032.
3. Tamil Nadu Water Supply and Drainage Board,
Through its Managing Director,
TWAD Board, 31, Kamarajar Salai,
Chepauk, Chennai – 600 005.
4. Ministry of Environment,
Forest and Climate Change, Through its Regional Office,
Integrated Regional Office, 1st Floor, Additional Office,
Block for GPOA, Shastri Bhawan, Haddows Road,
Nungambakkam, Chennai – 600 006.
5. District Magistrate, Chennai,
Fourth Floor, M. Singaravelar Maaligai,
62, Rajaji Salai, Chennai Collectorate,
Chennai – 600 001.

...Respondents.


Managing Director
Tamil Nadu Water Supply and Drainage Board
Chennai – 600 005.

REPORT FILED BY THE 3rd RESPONDENT

I, V. Dakshinamoorthy, S/o. Thiru. N. Varadhan, Hindu, aged about 57 years, having Office at No.31, Kamarajar Salai, Chepauk, Chennai-600 005, do hereby solemnly affirm and sincerely state as follows:

1. I am the Managing Director, Tamil Nadu Water Supply and Drainage Board, the third respondent herein and I am well conversant with the facts and circumstances of the case from the records available and as such I am filing this report.

2. It is submitted that the Original Application No.1365 of 2024 was registered by the Hon'ble National Green Tribunal, Principal Bench, New Delhi Suo Moto based on the news published in the "Hindustan Times" dated 06.12.2024 under the title "3 dead due to contaminated drinking water near Chennai" and News item published in the "The Times of India" dated 07.12.2024 under the title "Pathogens to watch out for Taps near sewage lines could be behind Chennai contaminated deaths".

3. It is submitted that the Hon'ble National Green Tribunal, Principal Bench, New Delhi on 13.12.2024 passed the following orders:

"6. Hence, we implead following as respondents in this matter:

(1) Tamil Nadu Pollution Control Board, Through its Member Secretary, Tamil Nadu Pollution Control Board, No.76, Mount Salai, Guindy, Chennai-600032.

(2) Central Pollution Control Board, Through its Member Secretary, Parivesh Bhawan, East Arjun Nagar, Delhi110032.



Managing Director
Tamil Nadu Water Supply and Drainage Board
Chennai - 600 005.

(3) Tamil Nadu Water Supply and Drainage Board,
Through its Managing Director, TWAD Board, 31,
Kamarajar Salai, Chepauk, Chennai-600 005.

(4) Ministry of Environment, Forest and Climate
Change, Through its Regional Office, Integrated
Regional Office, 1st Floor, Additional Office Block for
GPOA, Shastri Bhawan, Haddows Road,
Nungambakkam, Chennai - 600006.

(5) District Magistrate, Chennai, Fourth Floor, M.
Singaravelar Maaligai, 62, Rajaji Salai, Chennai
Collectorate, Chennai - 600 001.

7. Issue notice to the above respondents for filing their response/reply by way of affidavit before the appropriate Bench of the Tribunal at least one week before the next hearing date. If any respondent directly files the reply without routing it through his advocate, then the said respondent will remain virtually present to assist the Tribunal.

8. Since the matter relates to the Southern Zonal Bench, Chennai, therefore, OA is transferred to the Southern Zonal Bench for appropriate further action. The office is directed to transfer the original record of the OA to Southern Zonal Bench, Chennai.

9. List before Southern Zonal Bench at Chennai on 10.02.2025".


Managing Director
Tamil Nadu Water Supply and Drainage Board
Chennai - 600 005.

4. It is submitted that the Tamilnadu Water Supply and Drainage Board supplies about 10.00 Million Litres per Day (MLD) of drinking water to the Tambaram City Municipal Corporation (TCMC) through Palar River sources and the Chennai Metropolitan Water Supply and Sewerage Board (CMWSSB) supplies 23.16 Million Litres per Day (MLD) from Chembarambakkam lake source. In addition to that, Tambaram City Municipal Corporation receives 15.20 Million Litres per Day (MLD) from their own standalone schemes from Palar River as source and 24.64 Million Litres per Day (MLD) from thier local sources (HP/Openwells/PP with HDPE tank). Hence the total water supply to Tambaram corporation from various sources is about 73.00 Million Litres per Day (MLD).

5. It is submitted that in Chengalpattu District, there are 12 Nos of Combined Water Supply Schemes maintained by the Tamilnadu Water Supply and Drainage Board. Tambaram-Pallavaram Combined Water Supply Scheme is one among them providing water supply to Tambaram City Municipal Corporation and 7 other private beneficiaries. The Cantonment Board, Pallavaram is one among the beneficiaries of this Combined Water Supply Scheme. In Combined Water Supply Schemes to Tambaram-Pallavaram, water sources are infiltration wells, Borewells and Infiltration Gallery-1No in river Palar located at headworks in Melachery, Palayaseevaram and Vengudi in Kancheepuram District. The water from the above sources are collected in the sumps located at the head works Melachery, Palayaseevaram and Vengudi and then pumped to Booster Sump at Deveriyambakkam. From booster sump at Deveriyambakkam, the water is pumped to a distance of 11.50 km through 600mm Cast Iron pipe to


Managing Director
Tamil Nadu Water Supply and Drainage Board
Chennai - 600 005.

Break Pressure Tank at Oragadam. From Break Pressure Tank at Oragadam, water is gravitated to Krishna Nagar Booster Sump near Mudichur through a distance of 17.82 km. Water is then pumped from Krishnanagar Booster Sump to Kadaperi online Booster Station and sumps at Tambaram City Municipal Corporation Zone 4 (Tambaram west), Tambaram City Municipal Corporation-Zone 1 (Thiruneermalai) and Indian Air force. From Kadaperi online booster station water supply is provided to the beneficiaries sumps at MEPZ-Tambaram, Tambaram Corporation-Zone 3 (Chitlapakkam TP), National Siddha Institute -Tambaram, Fire service - Tambaram and Tambaram Corporation-Zone 2 (Pallavaram) and Cantonment Board, Pallavaram. The total quantity of 100 Lakh Litres per Day is supplied by the Tamilnadu Water Supply and Drainage Board to Tambaram City Municipal Corporation sumps and from these sumps water is pumped to the distribution sumps and Service Reservoirs of Tambaram City Municipal Corporation. After ensuring the recommended chlorination level, water is supplied through distribution network to the public of Tambaram City Municipal Corporation by household taps and public taps.

6. It is submitted that in Pallavaram area, Tamilnadu Water Supply and Drainage Board supplies about 30 Lakh litres of drinking water every day to 3 sumps of Tambaram City Municipal Corporation (Zone 2) located at Esa Pallavaram, Shanthi Colony and New Colony in Tambaram City Municipal Corporation (Zone 2 Pallavaram). The scope of the Tamilnadu Water Supply and Drainage Board is to provide protected drinking water


Managing Director
Tamil Nadu Water Supply and Drainage Board
Chennai - 600 005.

upto these three sumps only. From the 3 sumps, Tambaram City Municipal Corporation supplies water to the public through the distribution system maintained by Tambaram City Municipal Corporation. Similarly, Tamilnadu Water Supply and Drainage Board provide about 4 Lakh liters of water per day to 2 sumps of Cantonment Board, Pallavaram. One sump located at Ward No:6 (Mariamman Koil Street) and another at Ward No:7. From these 2 sumps, after chlorination, water is supplied to the public of Cantonment Board through the distribution network and public taps, by the Cantonment Board.

7. It is submitted that in response to the report regarding the death of three people and hospitalization of 20 others due to suspected contaminated drinking water in Tambaram City Municipal Corporation and Pallavaram Cantonment Board, a team of officials of Tamilnadu Water Supply and Drainage Board comprising of Engineers and Water Quality Analysts inspected the reported areas and collected water samples in the sumps which supplies water to Tambaram City Municipal Corporation Ward-13 and Pallavaram Cantonment Board ward-6 and sent to the State Level Water Quality testing Laboratory / Tamilnadu Water Supply and Drainage Board, Chepauk, Chennai for testing the Physical, Chemical and Bacteriological quality of water. **From the result, it was found that there was no evidence of any harmful micro-organisms or sewage contamination in the water samples.** (Report Enclosed as Annexure I).


Managing Director
Tamil Nadu Water Supply and Drainage Board
Chennai - 600 005.

8. It is submitted that on 05.12.2024, a team comprising of technical staffs of Tamilnadu Water Supply and Drainage Board along with the officials of Tambaram City Municipal Corporation immediately visited and inspected the reported areas and checked whether any leakage or damages caused in the pipeline along the pumping alignment, storage sumps, pump houses and other infrastructures. It was found that there was no leakage in the pipeline or damages in the infrastructure. However, as a precautionary measure, all the sumps were properly cleaned, pipelines were scoured completely from 06.12.2024 to 08.12.2024, Chlorination wash with water was done along the water distribution lines and then water supply resumed after testing for water quality. The Tamilnadu Water Supply and Drainage Board ensure that continuous chlorination at prescribed level is maintained. Furthermore, in addition to the daily monitoring of residual chlorine level by Tamilnadu Water Supply and Drainage Board maintenance staff, a team of Water Analyst experts from State Laboratory of Tamilnadu Water Supply and Drainage Board, Head Office, Chennai, conducted daily collection and testing of water samples from all the ground-level sumps of Tamilnadu Water Supply and Drainage Board from 09.12.2024 to 12.12.2024. The tests conducted revealed that the residual chlorine was in the recommended level and safe for drinking. (Report enclosed as Annexure II).



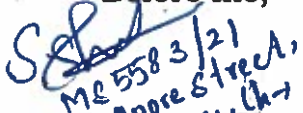
Managing Director
Tamil Nadu Water Supply and Drainage Board
Chennai - 600 005.

9. It is submitted that the Tamilnadu Water Supply and Drainage Board has 113 labs (1 State level Laboratory, 37 District level Laboratories, 51 Sub-District level Laboratories and 24 Block level Laboratories) throughout the State. Every year around 8.00 Lakhs of samples are tested to ensure water quality. In 2024-25, 7.52 Lakhs water samples were tested through Tamilnadu Water Supply and Drainage Board laboratories and appropriate action is taken. The water quality is being tested periodically by the Board in Tambaram City Municipal Corporation area and also to ensure potable water is supplied to the general public. Further, the Tamilnadu Water Supply and Drainage Board collects the water samples from the sumps and water quality test is conducted every week during December 2024 so as to ensure potable water is supplied to the general public. It is submitted that every day the maintenance staffs of Tamilnadu Water Supply and Drainage Board ensures that the recommended level of residual chlorine is maintained before supply.

It is therefore prayed that, this Hon'ble Tribunal may be pleased to accept the above report on behalf the third Respondent and pass such other further order/orders as this Hon'ble Court may deem fit and proper in the facts and circumstances of the present case in the interest of Justice.


Managing Director
Tamil Nadu Water Supply and Drainage Board
Chennai - 600 005.

Solemnly affirmed at Chennai, on
this the 27th day of January 2025,
and signed his name in my presence.

Before me,

MG 5583/21
Moore Street,
Patt. Ch-7
Advocate, Chennai



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 – 28412098 E-mail: twadboardcwa2024@gmail.com

992
Annexure A

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Date:	05.12.2024			
Test Completed on :	06.12.2024			
Test Report Date :	06.12.2024			
Source :	Palar River - Tambaram Pallavaram CWSS			
Location :	Contonment Sump Water			
Appearance, Colour, Odour :	Clear / Colourless / Agreeable			
The test result of sample received is as follows.				
Sl. No.	I. PHYSICAL EXAMINATION	Method of Testing	Sample No. 1	IS 10500 : 2012 Permissible limit in the absence of alternate source
1	Turbidity NT Units	IS 3025 (Part 10) : 2023	4.5	5
2	Total dissolved Solids mg/L	IS 3025 (Part 16) : 2023	543	2000
3	Electrical Conductivity Micro mho/cm	IS 3025 (Part 14) : 2013	776	-
II. CHEMICAL EXAMINATION				
4	pH at 25°C	IS 3025 (Part 11) : 2022	7.64	6.5-8.5
5	Ph. Alkalinity as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	0	-
6	Total Alkalinity. as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	180	600
7	Total Hardness as CaCO ₃ mg/L	IS 3025 (Part 21) : 2023	164	600
8	Calcium as Ca mg/L	IS 3025 (Part 40) : 2024	40	200
9	Magnesium as Mg mg/L	IS 3025 (Part 46) : 2023	16	100
10	Sodium as Na mg/L	IS 3025 (Part 45) : 1993	96	-
11	Potassium as K mg/L	IS 3025 (Part 45) : 1993	4	-
12	Iron as Fe mg/L	IS 3025 (Part 53) : 2024	0.58	1.0
13	Manganese as Mn mg/L	IS 3025 (Part 59) : 2023	0	0.3
14	Free Ammonia as NH ₃ mg/L	IS 3025 (Part 34) : 2019	0.17	0.5
15	Nitrite as NO ₂ mg/L	IS 3025 (Part 34/Sec-1) : 2023	0.05	-
16	Nitrate as NO ₃ mg/L	IS 3025 (Part 34/Sec-1) : 2023	2	45
17	Chloride as Cl mg/L	IS 3025 (Part 32) : 1988	122	1000
18	Fluoride as F mg/L	IS 3025 (Part 60/Sec-1) : 2023	0.24	1.5
19	Sulphate as SO ₄ mg/L	IS 3025 (Part 24/Sec-1) : 2022	35	400
20	Phosphate as PO ₄ mg/L	IS 3025 (Part 31/Sec-1) : 2022	0.44	-
21	Residual Chlorine	IS 3025 (Part 26) : 1986 (RA 2003)	0.1	1.0

Report: The given water sample is chemically potable.

6/12/24
CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5

6/12/24

60



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 – 28412098 E-mail: twadboardcwa2024@gmail.com

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Source:	Palar River - Tambaram Pallavaram CWSS		
Location:	Contonment Sump Water		
Date of Sample Received:	05.12.2024		
Date of Test Completed:	06.12.2024		
Test Report Date :	06.12.2024		
The test result of sample received is as follows.			
Sl. No.	BACTERIOLOGICAL EXAMINATION	Sample No. 1 Result	BIS 10500 - 2012
			Max limit
1	E.Coli CFU/100ml	0	Nil/100 ml

Report:- The Water Sample is Bacteriologically safe.

pon
6/12/24
CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5
06/12/24 *ak*



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 – 28412098 E-mail: twadboardcwa2024@gmail.com

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Date:	05.12.2024			
Test Completed on :	06.12.2024			
Test Report Date :	06.12.2024			
Source :	Palar River - Tambaram Pallavaram CWSS			
Location :	Inlet Contonment Sump Water			
Appearance, Colour, Odour :	Clear / Colourless / Agreeable			
The test result of sample received is as follows.				
Sl. No.	I. PHYSICAL EXAMINATION	Method of Testing	Sample No. 2	IS 10500 : 2012 Permissible limit in the absence of alternate source
1	Turbidity NT Units	IS 3025 (Part 10) : 2023	4.6	5
2	Total dissolved Solids mg/L	IS 3025 (Part 16) : 2023	566	2000
3	Electrical Conductivity Micro mho/cm	IS 3025 (Part 14) : 2013	808	-
II. CHEMICAL EXAMINATION				
4	pH at 25°C	IS 3025 (Part 11) : 2022	7.38	6.5-8.5
5	Ph. Alkalinity as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	0	-
6	Total Alkalinity. as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	180	600
7	Total Hardness as CaCO ₃ mg/L	IS 3025 (Part 21) : 2023	168	600
8	Calcium as Ca mg/L	IS 3025 (Part 40) : 2024	37	200
9	Magnesium as Mg mg/L	IS 3025 (Part 46) : 2023	18	100
10	Sodium as Na mg/L	IS 3025 (Part 45) : 1993	97	-
11	Potassium as K mg/L	IS 3025 (Part 45) : 1993	4	-
12	Iron as Fe mg/L	IS 3025 (Part 53) : 2024	0.54	1.0
13	Manganese as Mn mg/L	IS 3025 (Part 59) : 2023	0	0.3
14	Free Ammonia as NH ₃ mg/L	IS 3025 (Part 34) : 2019	0.02	0.5
15	Nitrite as NO ₂ mg/L	IS 3025 (Part 34/Sec-1) : 2023	0.03	-
16	Nitrate as NO ₃ mg/L	IS 3025 (Part 34/Sec-1) : 2023	1	45
17	Chloride as Cl mg/L	IS 3025 (Part 32) : 1988	126	1000
18	Fluoride as F mg/L	IS 3025 (Part 60/Sec-1) : 2023	0.16	1.5
19	Sulphate as SO ₄ mg/L	IS 3025 (Part 24/Sec-1) : 2022	31	400
20	Phosphate as PO ₄ mg/L	IS 3025 (Part 31/Sec-1) : 2022	0.38	-
21	Residual Chlorine	IS 3025 (Part 26) : 1986 (RA 2003)	0.1	1.0

Report: The given water sample is chemically potable.

CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5

06/12/24



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 – 28412098 E-mail: twadboardcwa2024@gmail.com

12

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Source:	Palar River - Tambaram Pallavaram CWSS		
Location:	Inlet Contonment Sump Water		
Date of Sample Received:	05.12.2024		
Date of Test Completed:	06.12.2024		
Test Report Date :	06.12.2024		
The test result of sample received is as follows.			
Sl. No.	BACTERIOLOGICAL EXAMINATION	Sample No. 2 Result	BIS 10500 - 2012
			Max limit
1	E.Coli CFU/100ml	0	Nil/100 ml

Report:- The Water Sample is Bacteriologically Safe

amw
6/12/24
CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5

06/12/24



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 – 28412098 E-mail: twadboardcwa2024@gmail.com

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Date:	05.12.2024			
Test Completed on :	06.12.2024			
Test Report Date :	06.12.2024			
Source :	Palar River - Tambaram Pallavaram CWSS			
Location :	ESA Pallavaram OHT Water			
Appearance, Colour, Odour :	Clear / Colourless / Agreeable			
The test result of sample received is as follows.				
Sl. No.	I. PHYSICAL EXAMINATION	Method of Testing	Sample No. 3	IS 10500 : 2012 Permissible limit in the absence of alternate source
1	Turbidity NT Units	IS 3025 (Part 10) : 2023	3.8	5
2	Total dissolved Solids mg/L	IS 3025 (Part 16) : 2023	564	2000
3	Electrical Conductivity Micro mho/cm	IS 3025 (Part 14) : 2013	805	-
II. CHEMICAL EXAMINATION				
4	pH at 25°C	IS 3025 (Part 11) : 2022	7.89	6.5-8.5
5	Ph. Alkalinity as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	0	-
6	Total Alkalinity. as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	192	600
7	Total Hardness as CaCO ₃ mg/L	IS 3025 (Part 21) : 2023	164	600
8	Calcium as Ca mg/L	IS 3025 (Part 40) : 2024	34	200
9	Magnesium as Mg mg/L	IS 3025 (Part 46) : 2023	19	100
10	Sodium as Na mg/L	IS 3025 (Part 45) : 1993	110	-
11	Potassium as K mg/L	IS 3025 (Part 45) : 1993	4	-
12	Iron as Fe mg/L	IS 3025 (Part 53) : 2024	0.52	1.0
13	Manganese as Mn mg/L	IS 3025 (Part 59) : 2023	0	0.3
14	Free Ammonia as NH ₃ mg/L	IS 3025 (Part 34) : 2019	0.07	0.5
15	Nitrite as NO ₂ mg/L	IS 3025 (Part 34/Sec-1) : 2023	0.05	-
16	Nitrate as NO ₃ mg/L	IS 3025 (Part 34/Sec-1) : 2023	1	45
17	Chloride as Cl mg/L	IS 3025 (Part 32) : 1988	124	1000
18	Fluoride as F mg/L	IS 3025 (Part 60/Sec-1) : 2023	0.25	1.5
19	Sulphate as SO ₄ mg/L	IS 3025 (Part 24/Sec-1) : 2022	10	400
20	Phosphate as PO ₄ mg/L	IS 3025 (Part 31/Sec-1) : 2022	0.35	-
21	Residual Chlorine	IS 3025 (Part 26) : 1986 (RA 2003)	0.3	1.0

Report: The given water sample is chemically potable.


 CHIEF WATER ANALYST
 TWAD BOARD, CHENNAI-5


 06/12/24



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 – 28412098 E-mail: twadboardcwa2024@gmail.com

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Source:	Palar River - Tambaram Pallavaram CWSS		
Location:	ESA Pallavaram OHT Water		
Date of Sample Received:	05.12.2024		
Date of Test Completed:	06.12.2024		
Test Report Date :	06.12.2024		
The test result of sample received is as follows.			
Sl. No.	BACTERIOLOGICAL EXAMINATION	Sample No. 3 Result	BIS 10500 - 2012
			Max limit
1	E.Coli CFU/100ml	0	Nil/100 ml

Report:- The Water Sample is Bacteriologically safe.

[Signature]
06/12/24
CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5

[Signature]
06/12/24



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 – 28412098 E-mail: twadboardcwa2024@gmail.com

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Date:	05.12.2024			
Test Completed on :	06.12.2024			
Test Report Date :	06.12.2024			
Source :	Palar River - Tambaram Pallavaram CWSS			
Location :	Inlet ESA Pallavaram OHT Water			
Appearance, Colour, Odour :	Clear / Colourless / Agreeable			
The test result of sample received is as follows.				
Sl. No.	I. PHYSICAL EXAMINATION	Method of Testing	Sample No. 4	IS 10500 : 2012 Permissible limit in the absence of alternate source
1	Turbidity NT Units	IS 3025 (Part 10) : 2023	4.3	5
2	Total dissolved Solids mg/L	IS 3025 (Part 16) : 2023	599	2000
3	Electrical Conductivity Micro mho/cm	IS 3025 (Part 14) : 2013	856	-
II. CHEMICAL EXAMINATION				
4	pH at 25°C	IS 3025 (Part 11) : 2022	7.70	6.5-8.5
5	Ph. Alkalinity as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	0	-
6	Total Alkalinity. as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	184	600
7	Total Hardness as CaCO ₃ mg/L	IS 3025 (Part 21) : 2023	172	600
8	Calcium as Ca mg/L	IS 3025 (Part 40) : 2024	37	200
9	Magnesium as Mg mg/L	IS 3025 (Part 46) : 2023	19	100
10	Sodium as Na mg/L	IS 3025 (Part 45) : 1993	114	-
11	Potassium as K mg/L	IS 3025 (Part 45) : 1993	5	-
12	Iron as Fe mg/L	IS 3025 (Part 53) : 2024	0.62	1.0
13	Manganese as Mn mg/L	IS 3025 (Part 59) : 2023	0	0.3
14	Free Ammonia as NH ₃ mg/L	IS 3025 (Part 34) : 2019	0.09	0.5
15	Nitrite as NO ₂ mg/L	IS 3025 (Part 34/Sec-1) : 2023	0.04	-
16	Nitrate as NO ₃ mg/L	IS 3025 (Part 34/Sec-1) : 2023	1	45
17	Chloride as Cl mg/L	IS 3025 (Part 32) : 1988	136	1000
18	Fluoride as F mg/L	IS 3025 (Part 60/Sec-1) : 2023	0.15	1.5
19	Sulphate as SO ₄ mg/L	IS 3025 (Part 24/Sec-1) : 2022	18	400
20	Phosphate as PO ₄ mg/L	IS 3025 (Part 31/Sec-1) : 2022	0.43	-
21	Residual Chlorine	IS 3025 (Part 26) : 1986 (RA 2003)	0.1	1.0

Report: The given water sample is chemically potable.

CHIEF WATER ANALYST
 TWAD BOARD, CHENNAI-5

06/12/24

16



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 – 28412098 E-mail: twadboardcwa2024@gmail.com

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Source:	Palar River - Tambaram Pallavaram CWSS		
Location:	Inlet ESA Pallavaram OHT Water		
Date of Sample Received:	05.12.2024		
Date of Test Completed:	06.12.2024		
Test Report Date :	06.12.2024		
The test result of sample received is as follows.			
Sl. No.	BACTERIOLOGICAL EXAMINATION	Sample No. 4 Result	BIS 10500 - 2012
			Max limit
1	E.Coli CFU/100ml	0	Nil/100 ml

Report:- The Water Sample is Bacteriologically Safe

CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5

06/12/24



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 - 28412098 E-mail: twadboardcwa2024@gmail.com

12/17

Annexure-A

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Date:	09.12.2024			
Test Completed on :	10.12.2024			
Test Report Date :	10.12.2024			
Source :	Palar River - Tambaram Pallavaram CWSS			
Location :	8/16, Kumarasamy Street, Ward-9, Sunitha Bhaskar Household Tap			
Appearance, Colour, Odour :	Clear / Colourless / Agreeable			
The test result of sample received is as follows.				
Sl. No.	I. PHYSICAL EXAMINATION	Method of Testing	Sample No.1	IS 10500 : 2012 Permissible limit in the absence of alternate source
1	Turbidity NT Units	IS 3025 (Part 10) : 2023	4.2	5
2	Total dissolved Solids mg/L	IS 3025 (Part 16) : 2023	552	2000
3	Electrical Conductivity Micro mho/cm	IS 3025 (Part 14) : 2013	788	-
II. CHEMICAL EXAMINATION				
4	pH at 25°C	IS 3025 (Part 11) : 2022	7.72	6.5-8.5
5	Ph. Alkalinity as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	0	-
6	Total Alkalinity. as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	176	600
7	Total Hardness as CaCO ₃ mg/L	IS 3025 (Part 21) : 2023	180	600
8	Calcium as Ca mg/L	IS 3025 (Part 40) : 2024	40	200
9	Magnesium as Mg mg/L	IS 3025 (Part 46) : 2023	19	100
10	Sodium as Na mg/L	IS 3025 (Part 45) : 1993	85	-
11	Potassium as K mg/L	IS 3025 (Part 45) : 1993	4	-
12	Iron as Fe mg/L	IS 3025 (Part 53) : 2024	0.07	1.0
13	Manganese as Mn mg/L	IS 3025 (Part 59) : 2023	0	0.3
14	Free Ammonia as NH ₃ mg/L	IS 3025 (Part 34) : 2019	0.13	0.5
15	Nitrite as NO ₂ mg/L	IS 3025 (Part 34/Sec-1) : 2023	0.01	-
16	Nitrate as NO ₃ mg/L	IS 3025 (Part 34/Sec-1) : 2023	2	45
17	Chloride as Cl mg/L	IS 3025 (Part 32) : 1988	94	1000
18	Fluoride as F mg/L	IS 3025 (Part 60/Sec-1) : 2023	0.14	1.5
19	Sulphate as SO ₄ mg/L	IS 3025 (Part 24/Sec-1) : 2022	64	400
20	Phosphate as PO ₄ mg/L	IS 3025 (Part 31/Sec-1) : 2022	0.55	-
21	Residual Chlorine	IS 3025 (Part 26) : 1986 (RA 2003)	0.4	1.0

Report: The Water Sample is chemically potable.

[Signature]
10/14/24
CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 – 28412098 E-mail: twadboardcwa2024@gmail.com

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Source:	Palar River - Tambaram Pallavaram CWSS		
Location:	8/16, Kumarasamy Street, Ward-9, Sunitha Bhaskar Household Tap		
Date of Sample Received:	09.12.2024		
Date of Test Completed:	10.12.2024		
Test Report Date :	10.12.2024		
The test result of sample received is as follows.			
Sl. No.	BACTERIOLOGICAL EXAMINATION	Sample No. 1 Result	BIS 10500 - 2012
			Max limit
1	Total coliform CFU/100ml	0	Nil/100 ml
2	E.Coli CFU/100ml	0	Nil/100 ml
3	Fecal coliform CFU/100ml	0	Nil/100 ml

Report : The Water Sample is Bacteriologically safe

10/12/24
CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 – 28412098 E-mail: twadboardcwa2024@gmail.com

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Date:	09.12.2024			
Test Completed on :	10.12.2024			
Test Report Date :	10.12.2024			
Source :	Palar River - Tambaram Pallavaram CWSS			
Location :	26, Yasikhan Street, Saleem Household Tap			
Appearance, Colour, Odour :	Clear / Colourless / Agreeable			
The test result of sample received is as follows.				
Sl. No.	I. PHYSICAL EXAMINATION	Method of Testing	Sample No.2	IS 10500 : 2012 Permissible limit in the absence of alternate source
1	Turbidity NT Units	IS 3025 (Part 10) : 2023	4.3	5
2	Total dissolved Solids mg/L	IS 3025 (Part 16) : 2023	535	2000
3	Electrical Conductivity Micro mho/cm	IS 3025 (Part 14) : 2013	764	-
II. CHEMICAL EXAMINATION				
4	pH at 25°C	IS 3025 (Part 11) : 2022	7.69	6.5-8.5
5	Ph. Alkalinity as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	0	-
6	Total Alkalinity. as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	180	600
7	Total Hardness as CaCO ₃ mg/L	IS 3025 (Part 21) : 2023	176	600
8	Calcium as Ca mg/L	IS 3025 (Part 40) : 2024	40	200
9	Magnesium as Mg mg/L	IS 3025 (Part 46) : 2023	18	100
10	Sodium as Na mg/L	IS 3025 (Part 45) : 1993	86	-
11	Potassium as K mg/L	IS 3025 (Part 45) : 1993	3	-
12	Iron as Fe mg/L	IS 3025 (Part 53) : 2024	0.10	1.0
13	Manganese as Mn mg/L	IS 3025 (Part 59) : 2023	0	0.3
14	Free Ammonia as NH ₃ mg/L	IS 3025 (Part 34) : 2019	0.18	0.5
15	Nitrite as NO ₂ mg/L	IS 3025 (Part 34/Sec-1) : 2023	0.02	-
16	Nitrate as NO ₃ mg/L	IS 3025 (Part 34/Sec-1) : 2023	2	45
17	Chloride as Cl mg/L	IS 3025 (Part 32) : 1988	98	1000
18	Fluoride as F mg/L	IS 3025 (Part 60/Sec-1) : 2023	0.15	1.5
19	Sulphate as SO ₄ mg/L	IS 3025 (Part 24/Sec-1) : 2022	85	400
20	Phosphate as PO ₄ mg/L	IS 3025 (Part 31/Sec-1) : 2022	0.54	-
21	Residual Chlorine	IS 3025 (Part 26) : 1986 (RA 2003)	0.3	1.0

Report: The Water Sample is chemically potable.


 10/12/24
CHIEF WATER ANALYST
 TWAD BOARD, CHENNAI-5



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 - 28412098 E-mail: twadboardcwa2024@gmail.com

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Source:	Palar River - Tambaram Pallavaram CWSS		
Location:	26, Yasikhan Street, Saleem Household Tap		
Date of Sample Received:	09.12.2024		
Date of Test Completed:	10.12.2024		
Test Report Date :	10.12.2024		
The test result of sample received is as follows.			
Sl. No.	BACTERIOLOGICAL EXAMINATION	Sample No.2 Result	BIS 10500 - 2012
			Max limit
1	Total coliform CFU/100ml	0	Nil/100 ml
2	E.Coli CFU/100ml	0	Nil/100 ml
3	Fecal coliform CFU/100ml	0	Nil/100 ml

Report : The Water Sample is Bacteriologically safe


 10/12/24
CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 – 28412098 E-mail: twadboardcwa2024@gmail.com

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Date:	09.12.2024			
Test Completed on :	10.12.2024			
Test Report Date :	10.12.2024			
Source :	Palar River - Tambaram Pallavaram CWSS			
Location :	Krishna Nagar Sump			
Appearance, Colour, Odour :	Clear / Colourless / Agreeable			
The test result of sample received is as follows.				
Sl. No.	I. PHYSICAL EXAMINATION	Method of Testing	Sample No.3	IS 10500 : 2012 Permissible limit in the absence of alternate source
1	Turbidity NT Units	IS 3025 (Part 10) : 2023	3.6	5
2	Total dissolved Solids mg/L	IS 3025 (Part 16) : 2023	520	2000
3	Electrical Conductivity Micro mho/cm	IS 3025 (Part 14) : 2013	743	-
II. CHEMICAL EXAMINATION				
4	pH at 25°C	IS 3025 (Part 11) : 2022	7.33	6.5-8.5
5	Ph. Alkalinity as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	0	-
6	Total Alkalinity. as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	180	600
7	Total Hardness as CaCO ₃ mg/L	IS 3025 (Part 21) : 2023	180	600
8	Calcium as Ca mg/L	IS 3025 (Part 40) : 2024	40	200
9	Magnesium as Mg mg/L	IS 3025 (Part 46) : 2023	19	100
10	Sodium as Na mg/L	IS 3025 (Part 45) : 1993	88	-
11	Potassium as K mg/L	IS 3025 (Part 45) : 1993	4	-
12	Iron as Fe mg/L	IS 3025 (Part 53) : 2024	0.21	1.0
13	Manganese as Mn mg/L	IS 3025 (Part 59) : 2023	0	0.3
14	Free Ammonia as NH ₃ mg/L	IS 3025 (Part 34) : 2019	0.08	0.5
15	Nitrite as NO ₂ mg/L	IS 3025 (Part 34/Sec-1) : 2023	0.00	-
16	Nitrate as NO ₃ mg/L	IS 3025 (Part 34/Sec-1) : 2023	1	45
17	Chloride as Cl mg/L	IS 3025 (Part 32) : 1988	84	1000
18	Fluoride as F mg/L	IS 3025 (Part 60/Sec-1) : 2023	0.15	1.5
19	Sulphate as SO ₄ mg/L	IS 3025 (Part 24/Sec-1) : 2022	65	400
20	Phosphate as PO ₄ mg/L	IS 3025 (Part 31/Sec-1) : 2022	0.46	-
21	Residual Chlorine	IS 3025 (Part 26) : 1986 (RA 2003)	0.3	1.0

Report: The Water Sample is chemically potable.

M. 10/12/24
CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 – 28412098 E-mail: twadboardcwa2024@gmail.com

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Source:	Palar River - Tambaram Pallavaram CWSS		
Location:	Krishna Nagar Sump		
Date of Sample Received:	09.12.2024		
Date of Test Completed:	10.12.2024		
Test Report Date :	10.12.2024		
The test result of sample received is as follows.			
Sl. No.	BACTERIOLOGICAL EXAMINATION	Sample No. 3 Result	BIS 10500 - 2012
			Max limit
1	Total coliform CFU/100ml	0	Nil/100 ml
2	E.Coli CFU/100ml	0	Nil/100 ml
3	Fecal coliform CFU/100ml	0	Nil/100 ml

Report : The Water Sample is Bacteriologically safe

10/14/24
CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 – 28412098 E-mail: twadboardcwa2024@gmail.com

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Date:	09.12.2024			
Test Completed on :	10.12.2024			
Test Report Date :	10.12.2024			
Source :	Palar River - Tambaram Pallavaram CWSS			
Location :	Krishna Nagar Outlet			
Appearance, Colour, Odour :	Clear / Colourless / Agreeable			
The test result of sample received is as follows.				
Sl. No.	I. PHYSICAL EXAMINATION	Method of Testing	Sample No.4	IS 10500 : 2012 Permissible limit in the absence of alternate source
1	Turbidity NT Units	IS 3025 (Part 10) : 2023	4.4	5
2	Total dissolved Solids mg/L	IS 3025 (Part 16) : 2023	516	2000
3	Electrical Conductivity Micro mho/cm	IS 3025 (Part 14) : 2013	737	-
II. CHEMICAL EXAMINATION				
4	pH at 25°C	IS 3025 (Part 11) : 2022	7.48	6.5-8.5
5	Ph. Alkalinity as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	0	-
6	Total Alkalinity. as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	180	600
7	Total Hardness as CaCO ₃ mg/L	IS 3025 (Part 21) : 2023	176	600
8	Calcium as Ca mg/L	IS 3025 (Part 40) : 2024	40	200
9	Magnesium as Mg mg/L	IS 3025 (Part 46) : 2023	18	100
10	Sodium as Na mg/L	IS 3025 (Part 45) : 1993	86	-
11	Potassium as K mg/L	IS 3025 (Part 45) : 1993	5	-
12	Iron as Fe mg/L	IS 3025 (Part 53) : 2024	0.05	1.0
13	Manganese as Mn mg/L	IS 3025 (Part 59) : 2023	0	0.3
14	Free Ammonia as NH ₃ mg/L	IS 3025 (Part 34) : 2019	0.28	0.5
15	Nitrite as NO ₂ mg/L	IS 3025 (Part 34/Sec-1) : 2023	0.00	-
16	Nitrate as NO ₃ mg/L	IS 3025 (Part 34/Sec-1) : 2023	1	45
17	Chloride as Cl mg/L	IS 3025 (Part 32) : 1988	86	1000
18	Fluoride as F mg/L	IS 3025 (Part 60/Sec-1) : 2023	0.05	1.5
19	Sulphate as SO ₄ mg/L	IS 3025 (Part 24/Sec-1) : 2022	72	400
20	Phosphate as PO ₄ mg/L	IS 3025 (Part 31/Sec-1) : 2022	0.49	-
21	Residual Chlorine	IS 3025 (Part 26) : 1986 (RA 2003)	0.4	1.0

Report: The Water Sample is chemically potable.


CHIEF WATER ANALYST
 TWAD BOARD, CHENNAI-5

24



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 – 28412098 E-mail: twadboardcwa2024@gmail.com

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Source:	Palar River - Tambaram Pallavaram CWSS		
Location:	Krishna Nagar Outlet		
Date of Sample Received:	09.12.2024		
Date of Test Completed:	10.12.2024		
Test Report Date :	10.12.2024		
The test result of sample received is as follows.			
Sl. No.	BACTERIOLOGICAL EXAMINATION	Sample No. 4 Result	BIS 10500 - 2012
			Max limit
1	Total coliform CFU/100ml	0	Nil/100 ml
2	E.Coli CFU/100ml	0	Nil/100 ml
3	Fecal coliform CFU/100ml	0	Nil/100 ml

Report : The Water Sample is Bacteriologically safe


 10/12/24
CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 – 28412098 E-mail: twadboardcwa2024@gmail.com

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Date:	09.12.2024			
Test Completed on :	10.12.2024			
Test Report Date :	10.12.2024			
Source :	Palar River - Tambaram Pallavaram CWSS			
Location :	Esa Pallavaram Sump Inlet			
Appearance, Colour, Odour :	Clear / Colourless / Agreeable			
The test result of sample received is as follows.				
Sl. No.	I. PHYSICAL EXAMINATION	Method of Testing	Sample No.5	IS 10500 : 2012 Permissible limit in the absence of alternate source
1	Turbidity NT Units	IS 3025 (Part 10) : 2023	3.8	5
2	Total dissolved Solids mg/L	IS 3025 (Part 16) : 2023	485	2000
3	Electrical Conductivity Micro mho/cm	IS 3025 (Part 14) : 2013	693	-
II. CHEMICAL EXAMINATION				
4	pH at 25°C	IS 3025 (Part 11) : 2022	7.56	6.5-8.5
5	Ph. Alkalinity as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	0	-
6	Total Alkalinity. as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	176	600
7	Total Hardness as CaCO ₃ mg/L	IS 3025 (Part 21) : 2023	172	600
8	Calcium as Ca mg/L	IS 3025 (Part 40) : 2024	40	200
9	Magnesium as Mg mg/L	IS 3025 (Part 46) : 2023	18	100
10	Sodium as Na mg/L	IS 3025 (Part 45) : 1993	80	-
11	Potassium as K mg/L	IS 3025 (Part 45) : 1993	4	-
12	Iron as Fe mg/L	IS 3025 (Part 53) : 2024	0.11	1.0
13	Manganese as Mn mg/L	IS 3025 (Part 59) : 2023	0	0.3
14	Free Ammonia as NH ₃ mg/L	IS 3025 (Part 34) : 2019	0.10	0.5
15	Nitrite as NO ₂ mg/L	IS 3025 (Part 34/Sec-1) : 2023	0.02	-
16	Nitrate as NO ₃ mg/L	IS 3025 (Part 34/Sec-1) : 2023	2	45
17	Chloride as Cl mg/L	IS 3025 (Part 32) : 1988	100	1000
18	Fluoride as F mg/L	IS 3025 (Part 60/Sec-1) : 2023	0.06	1.5
19	Sulphate as SO ₄ mg/L	IS 3025 (Part 24/Sec-1) : 2022	57	400
20	Phosphate as PO ₄ mg/L	IS 3025 (Part 31/Sec-1) : 2022	0.48	-
21	Residual Chlorine	IS 3025 (Part 26) : 1986 (RA 2003)	0.5	1.0

Report: The Water Sample is chemically potable.


CHIEF WATER ANALYST
 TWAD BOARD, CHENNAI-5



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 - 28412098 E-mail: twadboardcwa2024@gmail.com

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Source:	Palar River - Tambaram Pallavaram CWSS		
Location:	Esa Pallavaram Sump Inlet		
Date of Sample Received:	09.12.2024		
Date of Test Completed:	10.12.2024		
Test Report Date :	10.12.2024		
The test result of sample received is as follows.			
Sl. No.	BACTERIOLOGICAL EXAMINATION	Sample No. 5 Result	BIS 10500 - 2012
			Max limit
1	Total coliform CFU/100ml	0	Nil/100 ml
2	E.Coli CFU/100ml	0	Nil/100 ml
3	Fecal coliform CFU/100ml	0	Nil/100 ml

Report : The Water Sample is Bacteriologically safe

[Handwritten Signature]
CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 – 28412098 E-mail: twadboardcwa2024@gmail.com

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Date:	09.12.2024			
Test Completed on :	10.12.2024			
Test Report Date :	10.12.2024			
Source :	Palar River - Tambaram Pallavaram CWSS			
Location :	Esa Pallavaram OHT			
Appearance, Colour, Odour :	Clear / Colourless / Agreeable			
The test result of sample received is as follows.				
Sl. No.	I. PHYSICAL EXAMINATION	Method of Testing	Sample No.6	IS 10500 : 2012 Permissible limit in the absence of alternate source
1	Turbidity NT Units	IS 3025 (Part 10) : 2023	3.5	5
2	Total dissolved Solids mg/L	IS 3025 (Part 16) : 2023	534	2000
3	Electrical Conductivity Micro mho/cm	IS 3025 (Part 14) : 2013	763	-
II. CHEMICAL EXAMINATION				
4	pH at 25°C	IS 3025 (Part 11) : 2022	7.48	6.5-8.5
5	Ph. Alkalinity as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	0	-
6	Total Alkalinity. as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	180	600
7	Total Hardness as CaCO ₃ mg/L	IS 3025 (Part 21) : 2023	180	600
8	Calcium as Ca mg/L	IS 3025 (Part 40) : 2024	40	200
9	Magnesium as Mg mg/L	IS 3025 (Part 46) : 2023	19	100
10	Sodium as Na mg/L	IS 3025 (Part 45) : 1993	83	-
11	Potassium as K mg/L	IS 3025 (Part 45) : 1993	4	-
12	Iron as Fe mg/L	IS 3025 (Part 53) : 2024	0.10	1.0
13	Manganese as Mn mg/L	IS 3025 (Part 59) : 2023	0	0.3
14	Free Ammonia as NH ₃ mg/L	IS 3025 (Part 34) : 2019	0.15	0.5
15	Nitrite as NO ₂ mg/L	IS 3025 (Part 34/Sec-1) : 2023	0.00	-
16	Nitrate as NO ₃ mg/L	IS 3025 (Part 34/Sec-1) : 2023	2	45
17	Chloride as Cl mg/L	IS 3025 (Part 32) : 1988	106	1000
18	Fluoride as F mg/L	IS 3025 (Part 60/Sec-1) : 2023	0.21	1.5
19	Sulphate as SO ₄ mg/L	IS 3025 (Part 24/Sec-1) : 2022	46	400
20	Phosphate as PO ₄ mg/L	IS 3025 (Part 31/Sec-1) : 2022	0.50	-
21	Residual Chlorine	IS 3025 (Part 26) : 1986 (RA 2003)	0.4	1.0

Report: The Water Sample is chemically potable.


 CHIEF WATER ANALYST
 TWAD BOARD, CHENNAI-5



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 - 28412098 E-mail: twadboardcwa2024@gmail.com

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Source:	Palar River - Tambaram Pallavaram CWSS		
Location:	Esa Pallavaram OHT		
Date of Sample Received:	09.12.2024		
Date of Test Completed:	10.12.2024		
Test Report Date :	10.12.2024		
The test result of sample received is as follows.			
Sl. No.	BACTERIOLOGICAL EXAMINATION	Sample No. 6 Result	BIS 10500 - 2012
			Max limit
1	Total coliform CFU/100ml	0	Nil/100 ml
2	E.Coli CFU/100ml	0	Nil/100 ml
3	Fecal coliform CFU/100ml	0	Nil/100 ml

Report : The Water Sample Is Bacteriologically safe

John
10/12/24
CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 – 28412098 E-mail: twadboardcwa2024@gmail.com

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Date:	09.12.2024			
Test Completed on :	10.12.2024			
Test Report Date :	10.12.2024			
Source :	Palar River - Tambaram Pallavaram CWSS			
Location :	Kadapperi Online Booster			
Appearance, Colour, Odour :	Clear / Colourless / Agreeable			
The test result of sample received is as follows.				
Sl. No.	I. PHYSICAL EXAMINATION	Method of Testing	Sample No.7	IS 10500 : 2012 Permissible limit in the absence of alternate source
1	Turbidity NT Units	IS 3025 (Part 10) : 2023	4.7	5
2	Total dissolved Solids mg/L	IS 3025 (Part 16) : 2023	517	2000
3	Electrical Conductivity Micro mho/cm	IS 3025 (Part 14) : 2013	739	-
II. CHEMICAL EXAMINATION				
4	pH at 25°C	IS 3025 (Part 11) : 2022	7.51	6.5-8.5
5	Ph. Alkalinity as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	0	-
6	Total Alkalinity. as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	176	600
7	Total Hardness as CaCO ₃ mg/L	IS 3025 (Part 21) : 2023	180	600
8	Calcium as Ca mg/L	IS 3025 (Part 40) : 2024	43	200
9	Magnesium as Mg mg/L	IS 3025 (Part 46) : 2023	18	100
10	Sodium as Na mg/L	IS 3025 (Part 45) : 1993	81	-
11	Potassium as K mg/L	IS 3025 (Part 45) : 1993	5	-
12	Iron as Fe mg/L	IS 3025 (Part 53) : 2024	0.21	1.0
13	Manganese as Mn mg/L	IS 3025 (Part 59) : 2023	0	0.3
14	Free Ammonia as NH ₃ mg/L	IS 3025 (Part 34) : 2019	0.11	0.5
15	Nitrite as NO ₂ mg/L	IS 3025 (Part 34/Sec-1) : 2023	0.01	-
16	Nitrate as NO ₃ mg/L	IS 3025 (Part 34/Sec-1) : 2023	1	45
17	Chloride as Cl mg/L	IS 3025 (Part 32) : 1988	108	1000
18	Fluoride as F mg/L	IS 3025 (Part 60/Sec-1) : 2023	0.19	1.5
19	Sulphate as SO ₄ mg/L	IS 3025 (Part 24/Sec-1) : 2022	72	400
20	Phosphate as PO ₄ mg/L	IS 3025 (Part 31/Sec-1) : 2022	0.40	-
21	Residual Chlorine	IS 3025 (Part 26) : 1986 (RA 2003)	0.5	1.0

Report: The Water Sample is chemically potable.


CHIEF WATER ANALYST
 TWAD BOARD, CHENNAI-5



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 – 28412098 E-mail: twadboardcwa2024@gmail.com

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Source:	Palar River - Tambaram Pallavaram CWSS		
Location:	Kadapperi Online Booster		
Date of Sample Received:	09.12.2024		
Date of Test Completed:	10.12.2024		
Test Report Date :	10.12.2024		
The test result of sample received is as follows.			
SI. No.	BACTERIOLOGICAL EXAMINATION	Sample No. 7 Result	BIS 10500 - 2012
			Max limit
1	Total coliform CFU/100ml	0	Nil/100 ml
2	E.Coli CFU/100ml	0	Nil/100 ml
3	Fecal coliform CFU/100ml	0	Nil/100 ml

Report : The Water Sample is Bacteriologically safe


 CHIEF WATER ANALYST
 TWAD BOARD, CHENNAI-5.



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 – 28412098 E-mail: twadboardcwa2024@gmail.com

31

Annexure - A₃

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Date:	10.12.2024			
Test Completed on :	11.12.2024			
Test Report Date :	11.12.2024			
Source :	Palar River - Tambaram Pallavaram CWSS			
Location :	Krishna Nagar Sump			
Appearance, Colour, Odour :	Clear / Colourless / Chlorinous			
The test result of sample received is as follows.				
Sl. No.	I. PHYSICAL EXAMINATION	Method of Testing	Sample No.1	IS 10500 : 2012 Permissible limit in the absence of alternate source
1	Turbidity NT Units	IS 3025 (Part 10) : 2023	3.9	5
2	Total dissolved Solids mg/L	IS 3025 (Part 16) : 2023	515	2000
3	Electrical Conductivity Micro mho/cm	IS 3025 (Part 14) : 2013	736	-
II. CHEMICAL EXAMINATION				
4	pH at 25°C	IS 3025 (Part 11) : 2022	7.21	6.5-8.5
5	Ph. Alkalinity as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	0	-
6	Total Alkalinity. as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	184	600
7	Total Hardness as CaCO ₃ mg/L	IS 3025 (Part 21) : 2023	180	600
8	Calcium as Ca mg/L	IS 3025 (Part 40) : 2024	42	200
9	Magnesium as Mg mg/L	IS 3025 (Part 46) : 2023	18	100
10	Sodium as Na mg/L	IS 3025 (Part 45) : 1993	88	-
11	Potassium as K mg/L	IS 3025 (Part 45) : 1993	4	-
12	Iron as Fe mg/L	IS 3025 (Part 53) : 2024	0.24	1.0
13	Manganese as Mn mg/L	IS 3025 (Part 59) : 2023	0	0.3
14	Free Ammonia as NH ₃ mg/L	IS 3025 (Part 34) : 2019	0.06	0.5
15	Nitrite as NO ₂ mg/L	IS 3025 (Part 34/Sec-1) : 2023	0.01	-
16	Nitrate as NO ₃ mg/L	IS 3025 (Part 34/Sec-1) : 2023	1	45
17	Chloride as Cl mg/L	IS 3025 (Part 32) : 1988	86	1000
18	Fluoride as F mg/L	IS 3025 (Part 60/Sec-1) : 2023	0.21	1.5
19	Sulphate as SO ₄ mg/L	IS 3025 (Part 24/Sec-1) : 2022	63	400
20	Phosphate as PO ₄ mg/L	IS 3025 (Part 31/Sec-1) : 2022	0.41	-
21	Residual Chlorine	IS 3025 (Part 26) : 1986 (RA 2003)	3.0	1.0

Report: The Water Sample is chemically potable.

Handwritten signature

CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5

**TAMILNADU WATER SUPPLY AND DRAINAGE BOARD**

82

STATE LEVEL WATER TESTING LABORATORY**31, Kamarajar Salai, Chepauk, Chennai - 600 005**Phone: **044 – 28412098** E-mail: **twadboardcwa2024@gmail.com****Test Report**

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Source:	Palar River - Tambaram Pallavaram CWSS
Location:	Krishna Nagar Sump
Date of Sample Received:	10.12.2024
Date of Test Completed:	12.12.2024
Test Report Date :	12.12.2024

The test result of sample received is as follows.

SI. No.	BACTERIOLOGICAL EXAMINATION	Sample No. 1 Result	BIS 10500 - 2012
			Max limit
1	Total coliform CFU/100ml	0	Nil/100 ml
2	E.Coli CFU/100ml	0	Nil/100 ml
3	Fecal coliform CFU/100ml	0	Nil/100 ml

Report : The Water Sample is Bacteriologically safe

Don
12/12/24
CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

33

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 – 28412098 E-mail: twadboardcwa2024@gmail.com

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Date:	10.12.2024			
Test Completed on :	11.12.2024			
Test Report Date :	11.12.2024			
Source :	Palar River - Tambaram Pallavaram CWSS			
Location :	Krishna Nagar Outlet			
Appearance, Colour, Odour :	Turbid / Colourless / Chlorinous			
The test result of sample received is as follows.				
Sl. No.	I. PHYSICAL EXAMINATION	Method of Testing	Sample No.2	IS 10500 : 2012 Permissible limit in the absence of alternate source
1	Turbidity NT Units	IS 3025 (Part 10) : 2023	11.7	5
2	Total dissolved Solids mg/L	IS 3025 (Part 16) : 2023	519	2000
3	Electrical Conductivity Micro mho/cm	IS 3025 (Part 14) : 2013	741	-
II. CHEMICAL EXAMINATION				
4	pH at 25°C	IS 3025 (Part 11) : 2022	7.42	6.5-8.5
5	Ph. Alkalinity as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	0	-
6	Total Alkalinity. as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	176	600
7	Total Hardness as CaCO ₃ mg/L	IS 3025 (Part 21) : 2023	180	600
8	Calcium as Ca mg/L	IS 3025 (Part 40) : 2024	42	200
9	Magnesium as Mg mg/L	IS 3025 (Part 46) : 2023	18	100
10	Sodium as Na mg/L	IS 3025 (Part 45) : 1993	84	-
11	Potassium as K mg/L	IS 3025 (Part 45) : 1993	4	-
12	Iron as Fe mg/L	IS 3025 (Part 53) : 2024	0.00	1.0
13	Manganese as Mn mg/L	IS 3025 (Part 59) : 2023	0	0.3
14	Free Ammonia as NH ₃ mg/L	IS 3025 (Part 34) : 2019	0.39	0.5
15	Nitrite as NO ₂ mg/L	IS 3025 (Part 34/Sec-1) : 2023	0.00	-
16	Nitrate as NO ₃ mg/L	IS 3025 (Part 34/Sec-1) : 2023	1	45
17	Chloride as Cl mg/L	IS 3025 (Part 32) : 1988	84	1000
18	Fluoride as F mg/L	IS 3025 (Part 60/Sec-1) : 2023	0.27	1.5
19	Sulphate as SO ₄ mg/L	IS 3025 (Part 24/Sec-1) : 2022	65	400
20	Phosphate as PO ₄ mg/L	IS 3025 (Part 31/Sec-1) : 2022	0.50	-
21	Residual Chlorine	IS 3025 (Part 26) : 1986 (RA 2003)	2.5	1.0

Report: The Water Sample is chemically potable.

mm
11/12/24
CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 – 28412098 E-mail: twadboardcwa2024@gmail.com

34

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Source:	Palar River - Tambaram Pallavaram CWSS		
Location:	Krishna Nagar Outlet		
Date of Sample Received:	10.12.2024		
Date of Test Completed:	12.12.2024		
Test Report Date :	12.12.2024		
The test result of sample received is as follows.			
Sl. No.	BACTERIOLOGICAL EXAMINATION	Sample No. 2 Result	BIS 10500 - 2012 Max limit
1	Total coliform CFU/100ml	0	Nil/100 ml
2	E.Coli CFU/100ml	0	Nil/100 ml
3	Fecal coliform CFU/100ml	0	Nil/100 ml

Report : The Water Sample is Bacteriologically safe

Signature
12/12/24
CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-8



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

35

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 - 28412098 E-mail: twadboardcwa2024@gmail.com

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Date:	10.12.2024			
Test Completed on :	11.12.2024			
Test Report Date :	11.12.2024			
Source :	Palar River - Tambaram Pallavaram CWSS			
Location :	Kadapperi Online Booster			
Appearance, Colour, Odour :	Turbid / Colourless / Agreeable			
The test result of sample received is as follows.				
Sl. No.	I. PHYSICAL EXAMINATION	Method of Testing	Sample No.3	IS 10500 : 2012 Permissible limit in the absence of alternate source
1	Turbidity NT Units	IS 3025 (Part 10) : 2023	9.8	5
2	Total dissolved Solids mg/L	IS 3025 (Part 16) : 2023	510	2000
3	Electrical Conductivity Micro mho/cm	IS 3025 (Part 14) : 2013	728	-
II. CHEMICAL EXAMINATION				
4	pH at 25°C	IS 3025 (Part 11) : 2022	7.39	6.5-8.5
5	Ph. Alkalinity as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	0	-
6	Total Alkalinity, as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	180	600
7	Total Hardness as CaCO ₃ mg/L	IS 3025 (Part 21) : 2023	176	600
8	Calcium as Ca mg/L	IS 3025 (Part 40) : 2024	42	200
9	Magnesium as Mg mg/L	IS 3025 (Part 46) : 2023	18	100
10	Sodium as Na mg/L	IS 3025 (Part 45) : 1993	82	-
11	Potassium as K mg/L	IS 3025 (Part 45) : 1993	5	-
12	Iron as Fe mg/L	IS 3025 (Part 53) : 2024	0.00	1.0
13	Manganese as Mn mg/L	IS 3025 (Part 59) : 2023	0	0.3
14	Free Ammonia as NH ₃ mg/L	IS 3025 (Part 34) : 2019	0.16	0.5
15	Nitrite as NO ₂ mg/L	IS 3025 (Part 34/Sec-1) : 2023	0.00	-
16	Nitrate as NO ₃ mg/L	IS 3025 (Part 34/Sec-1) : 2023	1	45
17	Chloride as Cl mg/L	IS 3025 (Part 32) : 1988	106	1000
18	Fluoride as F mg/L	IS 3025 (Part 60/Sec-1) : 2023	0.25	1.5
19	Sulphate as SO ₄ mg/L	IS 3025 (Part 24/Sec-1) : 2022	63	400
20	Phosphate as PO ₄ mg/L	IS 3025 (Part 31/Sec-1) : 2022	0.48	-
21	Residual Chlorine	IS 3025 (Part 26) : 1986 (RA 2003)	0.5	1.0

Report: The Water Sample is chemically potable.

Don
11/12/24
CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

36

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 – 28412098 E-mail: twadboardcwa2024@gmail.com

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Source:	Palar River - Tambaram Pallavaram CWSS
Location:	Kadapperi Online Booster
Date of Sample Received:	10.12.2024
Date of Test Completed:	12.12.2024
Test Report Date :	12.12.2024

The test result of sample received is as follows.

Sl. No.	BACTERIOLOGICAL EXAMINATION	Sample No. 3 Result	BIS 10500 - 2012
			Max limit
1	Total coliform CFU/100ml	0	Nil/100 ml
2	E.Coli CFU/100ml	0	Nil/100 ml
3	Fecal coliform CFU/100ml	0	Nil/100 ml

Report : The Water Sample is Bacteriologically safe

om
12/12/24
CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 – 28412098 E-mail: twadboardcwa2024@gmail.com

38

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Date:	10.12.2024			
Test Completed on :	11.12.2024			
Test Report Date :	11.12.2024			
Source :	Palar River - Tambaram Pallavaram CWSS			
Location :	Esa Pallavaram Sump Inlet			
Appearance, Colour, Odour :	Slightly Turbid / Colourless / Agreeable			
The test result of sample received is as follows.				
Sl. No.	I. PHYSICAL EXAMINATION	Method of Testing	Sample No.4	IS 10500 : 2012 Permissible limit in the absence of alternate source
1	Turbidity NT Units	IS 3025 (Part 10) : 2023	4.9	5
2	Total dissolved Solids mg/L	IS 3025 (Part 16) : 2023	480	2000
3	Electrical Conductivity Micro mho/cm	IS 3025 (Part 14) : 2013	685	-
II. CHEMICAL EXAMINATION				
4	pH at 25°C	IS 3025 (Part 11) : 2022	7.41	6.5-8.5
5	Ph. Alkalinity as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	0	-
6	Total Alkalinity. as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	172	600
7	Total Hardness as CaCO ₃ mg/L	IS 3025 (Part 21) : 2023	168	600
8	Calcium as Ca mg/L	IS 3025 (Part 40) : 2024	38	200
9	Magnesium as Mg mg/L	IS 3025 (Part 46) : 2023	18	100
10	Sodium as Na mg/L	IS 3025 (Part 45) : 1993	79	-
11	Potassium as K mg/L	IS 3025 (Part 45) : 1993	4	-
12	Iron as Fe mg/L	IS 3025 (Part 53) : 2024	0.16	1.0
13	Manganese as Mn mg/L	IS 3025 (Part 59) : 2023	0	0.3
14	Free Ammonia as NH ₃ mg/L	IS 3025 (Part 34) : 2019	0.20	0.5
15	Nitrite as NO ₂ mg/L	IS 3025 (Part 34/Sec-1) : 2023	0.01	-
16	Nitrate as NO ₃ mg/L	IS 3025 (Part 34/Sec-1) : 2023	1	45
17	Chloride as Cl mg/L	IS 3025 (Part 32) : 1988	98	1000
18	Fluoride as F mg/L	IS 3025 (Part 60/Sec-1) : 2023	0.24	1.5
19	Sulphate as SO ₄ mg/L	IS 3025 (Part 24/Sec-1) : 2022	53	400
20	Phosphate as PO ₄ mg/L	IS 3025 (Part 31/Sec-1) : 2022	0.44	-
21	Residual Chlorine	IS 3025 (Part 26) : 1986 (RA 2003)	0.5	1.0

Report: The Water Sample is chemically potable.

[Signature]
11/12/24
CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5


TAMILNADU WATER SUPPLY AND DRAINAGE BOARD
STATE LEVEL WATER TESTING LABORATORY
31, Kamarajar Salai, Chepauk, Chennai - 600 005
Phone: 044 – 28412098 E-mail: twadboardcwa2024@gmail.com
Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Source:	Palar River - Tambaram Pallavaram CWSS		
Location:	Esa Pallavaram Sump Inlet		
Date of Sample Received:	10.12.2024		
Date of Test Completed:	12.12.2024		
Test Report Date :	12.12.2024		
The test result of sample received is as follows.			
Sl. No.	BACTERIOLOGICAL EXAMINATION	Sample No. 4 Result	BIS 10500 - 2012
			Max limit
1	Total coliform CFU/100ml	0	Nil/100 ml
2	E.Coli CFU/100ml	0	Nil/100 ml
3	Fecal coliform CFU/100ml	0	Nil/100 ml

Report : The Water Sample is Bacteriologically safe


 12/12/24
CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

39

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 – 28412098 E-mail: twadboardcwa2024@gmail.com

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Date:	10.12.2024			
Test Completed on :	11.12.2024			
Test Report Date :	11.12.2024			
Source :	Palar River - Tambaram Pallavaram CWSS			
Location :	Esa Pallavaram OHT			
Appearance, Colour, Odour :	Turbid / Colourless / Chlorinous			
The test result of sample received is as follows.				
Sl. No.	I. PHYSICAL EXAMINATION	Method of Testing	Sample No.5	IS 10500 : 2012 Permissible limit in the absence of alternate source
1	Turbidity NT Units	IS 3025 (Part 10) : 2023	9.5	5
2	Total dissolved Solids mg/L	IS 3025 (Part 16) : 2023	545	2000
3	Electrical Conductivity Micro mho/cm	IS 3025 (Part 14) : 2013	778	-
II. CHEMICAL EXAMINATION				
4	pH at 25°C	IS 3025 (Part 11) : 2022	7.54	6.5-8.5
5	Ph. Alkalinity as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	0	-
6	Total Alkalinity. as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	180	600
7	Total Hardness as CaCO ₃ mg/L	IS 3025 (Part 21) : 2023	176	600
8	Calcium as Ca mg/L	IS 3025 (Part 40) : 2024	42	200
9	Magnesium as Mg mg/L	IS 3025 (Part 46) : 2023	18	100
10	Sodium as Na mg/L	IS 3025 (Part 45) : 1993	86	-
11	Potassium as K mg/L	IS 3025 (Part 45) : 1993	4	-
12	Iron as Fe mg/L	IS 3025 (Part 53) : 2024	0.12	1.0
13	Manganese as Mn mg/L	IS 3025 (Part 59) : 2023	0	0.3
14	Free Ammonia as NH ₃ mg/L	IS 3025 (Part 34) : 2019	0.19	0.5
15	Nitrite as NO ₂ mg/L	IS 3025 (Part 34/Sec-1) : 2023	0.01	-
16	Nitrate as NO ₃ mg/L	IS 3025 (Part 34/Sec-1) : 2023	2	45
17	Chloride as Cl mg/L	IS 3025 (Part 32) : 1988	104	1000
18	Fluoride as F mg/L	IS 3025 (Part 60/Sec-1) : 2023	0.25	1.5
19	Sulphate as SO ₄ mg/L	IS 3025 (Part 24/Sec-1) : 2022	48	400
20	Phosphate as PO ₄ mg/L	IS 3025 (Part 31/Sec-1) : 2022	0.51	-
21	Residual Chlorine	IS 3025 (Part 26) : 1986 (RA 2003)	2.5	1.0

Report: The Water Sample is chemically potable.

[Signature]
CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 - 28412098 E-mail: twadboardcwa2024@gmail.com

40

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Source:	Palar River - Tambaram Pallavaram CWSS		
Location:	Esa Pallavaram OHT		
Date of Sample Received:	10.12.2024		
Date of Test Completed:	12.12.2024		
Test Report Date :	12.12.2024		
The test result of sample received is as follows.			
Sl. No.	BACTERIOLOGICAL EXAMINATION	Sample No. 5 Result	BIS 10500 - 2012
			Max limit
1	Total coliform CFU/100ml	0	Nil/100 ml
2	E.Coli CFU/100ml	0	Nil/100 ml
3	Fecal coliform CFU/100ml	0	Nil/100 ml

Report : The Water Sample is Bacteriologically safe

Handwritten signature
12/12/24

CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 - 28412098 E-mail: twadboardcwa2024@gmail.com

41

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Date:	10.12.2024			
Test Completed on :	11.12.2024			
Test Report Date :	11.12.2024			
Source :	Palar River - Tambaram Pallavaram CWSS			
Location :	8/16, Kumarasamy Street, Ward-9, Sunitha Bhaskar Household Tap			
Appearance, Colour, Odour :	Turbid / Colourless / Chlorinous			
The test result of sample received is as follows.				
Sl. No.	I. PHYSICAL EXAMINATION	Method of Testing	Sample No.6	IS 10500 : 2012 Permissible limit in the absence of alternate source
1	Turbidity NT Units	IS 3025 (Part 10) : 2023	8.6	5
2	Total dissolved Solids mg/L	IS 3025 (Part 16) : 2023	537	2000
3	Electrical Conductivity Micro mho/cm	IS 3025 (Part 14) : 2013	767	-
II. CHEMICAL EXAMINATION				
4	pH at 25°C	IS 3025 (Part 11) : 2022	7.61	6.5-8.5
5	Ph. Alkalinity as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	0	-
6	Total Alkalinity. as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	180	600
7	Total Hardness as CaCO ₃ mg/L	IS 3025 (Part 21) : 2023	176	600
8	Calcium as Ca mg/L	IS 3025 (Part 40) : 2024	38	200
9	Magnesium as Mg mg/L	IS 3025 (Part 46) : 2023	19	100
10	Sodium as Na mg/L	IS 3025 (Part 45) : 1993	83	-
11	Potassium as K mg/L	IS 3025 (Part 45) : 1993	4	-
12	Iron as Fe mg/L	IS 3025 (Part 53) : 2024	0.10	1.0
13	Manganese as Mn mg/L	IS 3025 (Part 59) : 2023	0	0.3
14	Free Ammonia as NH ₃ mg/L	IS 3025 (Part 34) : 2019	0.13	0.5
15	Nitrite as NO ₂ mg/L	IS 3025 (Part 34/Sec-1) : 2023	0.01	-
16	Nitrate as NO ₃ mg/L	IS 3025 (Part 34/Sec-1) : 2023	2	45
17	Chloride as Cl mg/L	IS 3025 (Part 32) : 1988	96	1000
18	Fluoride as F mg/L	IS 3025 (Part 60/Sec-1) : 2023	0.19	1.5
19	Sulphate as SO ₄ mg/L	IS 3025 (Part 24/Sec-1) : 2022	70	400
20	Phosphate as PO ₄ mg/L	IS 3025 (Part 31/Sec-1) : 2022	0.55	-
21	Residual Chlorine	IS 3025 (Part 26) : 1986 (RA 2003)	2.5	1.0

Report: The Water Sample is chemically potable.

Handwritten signature
11/12/24

CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5

**TAMILNADU WATER SUPPLY AND DRAINAGE BOARD**

42

STATE LEVEL WATER TESTING LABORATORY**31, Kamarajar Salai, Chepauk, Chennai - 600 005**

Phone: 044 – 28412098 E-mail: twadboardcwa2024@gmail.com

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Source:	Palar River - Tambaram Pallavaram CWSS
Location:	8/16, Kumarasamy Street, Ward-9, Sunitha Bhaskar Household Tap
Date of Sample Received:	10.12.2024
Date of Test Completed:	12.12.2024
Test Report Date :	12.12.2024

The test result of sample received is as follows.

Sl. No.	BACTERIOLOGICAL EXAMINATION	Sample No. 6 Result	BIS 10500 - 2012
			Max limit
1	Total coliform CFU/100ml	0	Nil/100 ml
2	E.Coli CFU/100ml	0	Nil/100 ml
3	Fecal coliform CFU/100ml	0	Nil/100 ml

Report : The Water Sample is Bacteriologically safe

12/12/24
CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 – 28412098 E-mail: twadboardcwa2024@gmail.com

43

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Date:	10.12.2024			
Test Completed on :	11.12.2024			
Test Report Date :	11.12.2024			
Source :	Palar River - Tambaram Pallavaram CWSS			
Location :	26, Yasikhan Street, Saleem Household Tap			
Appearance, Colour, Odour :	Turbid / Colourless / Chlorinous			
The test result of sample received is as follows.				
Sl. No.	I. PHYSICAL EXAMINATION	Method of Testing	Sample No.7	IS 10500 : 2012 Permissible limit in the absence of alternate source
1	Turbidity NT Units	IS 3025 (Part 10) : 2023	9.3	5
2	Total dissolved Solids mg/L	IS 3025 (Part 16) : 2023	540	2000
3	Electrical Conductivity Micro mho/cm	IS 3025 (Part 14) : 2013	771	-
II. CHEMICAL EXAMINATION				
4	pH at 25°C	IS 3025 (Part 11) : 2022	7.64	6.5-8.5
5	Ph. Alkalinity as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	0	-
6	Total Alkalinity. as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	180	600
7	Total Hardness as CaCO ₃ mg/L	IS 3025 (Part 21) : 2023	172	600
8	Calcium as Ca mg/L	IS 3025 (Part 40) : 2024	40	200
9	Magnesium as Mg mg/L	IS 3025 (Part 46) : 2023	18	100
10	Sodium as Na mg/L	IS 3025 (Part 45) : 1993	85	-
11	Potassium as K mg/L	IS 3025 (Part 45) : 1993	4	-
12	Iron as Fe mg/L	IS 3025 (Part 53) : 2024	0.10	1.0
13	Manganese as Mn mg/L	IS 3025 (Part 59) : 2023	0	0.3
14	Free Ammonia as NH ₃ mg/L	IS 3025 (Part 34) : 2019	0.15	0.5
15	Nitrite as NO ₂ mg/L	IS 3025 (Part 34/Sec-1) : 2023	0.01	-
16	Nitrate as NO ₃ mg/L	IS 3025 (Part 34/Sec-1) : 2023	2	45
17	Chloride as Cl mg/L	IS 3025 (Part 32) : 1988	96	1000
18	Fluoride as F mg/L	IS 3025 (Part 60/Sec-1) : 2023	0.18	1.5
19	Sulphate as SO ₄ mg/L	IS 3025 (Part 24/Sec-1) : 2022	80	400
20	Phosphate as PO ₄ mg/L	IS 3025 (Part 31/Sec-1) : 2022	0.59	-
21	Residual Chlorine	IS 3025 (Part 26) : 1986 (RA 2003)	2.5	1.0

Report: The Water Sample is chemically potable.

omw
11/12/24

CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5

**TAMILNADU WATER SUPPLY AND DRAINAGE BOARD****STATE LEVEL WATER TESTING LABORATORY****31, Kamarajar Salai, Chepauk, Chennai - 600 005**Phone: **044 - 28412098** E-mail: **twadboardcwa2024@gmail.com**

44

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Source:	Palar River - Tambaram Pallavaram CWSS
Location:	26, Yasikhan Street, Saleem Household Tap
Date of Sample Received:	10.12.2024
Date of Test Completed:	12.12.2024
Test Report Date :	12.12.2024

The test result of sample received is as follows.

Sl. No.	BACTERIOLOGICAL EXAMINATION	Sample No. 7 Result	BIS 10500 - 2012
			Max limit
1	Total coliform CFU/100ml	0	Nil/100 ml
2	E.Coli CFU/100ml	0	Nil/100 ml
3	Fecal coliform CFU/100ml	0	Nil/100 ml

Report : The Water Sample is Bacteriologically safe

Handwritten signature
CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 - 28412098 E-mail: twadboardcwa2024@gmail.com

45

Annexure-4

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Date:	11.12.2024			
Test Completed on :	12.12.2024			
Test Report Date :	12.12.2024			
Source :	Palar River - Tambaram Pallavaram CWSS			
Location :	M.R.Park, Inlet Sump			
Appearance, Colour, Odour :	Clear / Colourless / Agreeable			
The test result of sample received is as follows.				
Sl. No.	I. PHYSICAL EXAMINATION	Method of Testing	Sample No.1	IS 10500 : 2012 Permissible limit in the absence of alternate source
1	Turbidity NT Units	IS 3025 (Part 10) : 2023	3.9	5
2	Total dissolved Solids mg/L	IS 3025 (Part 16) : 2023	517	2000
3	Electrical Conductivity Micro mho/cm	IS 3025 (Part 14) : 2013	739	-
II. CHEMICAL EXAMINATION				
4	pH at 25°C	IS 3025 (Part 11) : 2022	7.19	6.5-8.5
5	Ph. Alkalinity as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	0	-
6	Total Alkalinity. as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	188	600
7	Total Hardness as CaCO ₃ mg/L	IS 3025 (Part 21) : 2023	196	600
8	Calcium as Ca mg/L	IS 3025 (Part 40) : 2024	40	200
9	Magnesium as Mg mg/L	IS 3025 (Part 46) : 2023	23	100
10	Sodium as Na mg/L	IS 3025 (Part 45) : 1993	82	-
11	Potassium as K mg/L	IS 3025 (Part 45) : 1993	4	-
12	Iron as Fe mg/L	IS 3025 (Part 53) : 2024	0.10	1.0
13	Manganese as Mn mg/L	IS 3025 (Part 59) : 2023	0	0.3
14	Free Ammonia as NH ₃ mg/L	IS 3025 (Part 34) : 2019	0.07	0.5
15	Nitrite as NO ₂ mg/L	IS 3025 (Part 34/Sec-1) : 2023	0.01	-
16	Nitrate as NO ₃ mg/L	IS 3025 (Part 34/Sec-1) : 2023	1	45
17	Chloride as Cl mg/L	IS 3025 (Part 32) : 1988	118	1000
18	Fluoride as F mg/L	IS 3025 (Part 60/Sec-1) : 2023	0.31	1.5
19	Sulphate as SO ₄ mg/L	IS 3025 (Part 24/Sec-1) : 2022	28	400
20	Phosphate as PO ₄ mg/L	IS 3025 (Part 31/Sec-1) : 2022	0.38	-
21	Residual Chlorine	IS 3025 (Part 26) : 1986 (RA 2003)	0.1	1.0

Report: The Water Sample is chemically potable.

M
16/12/24

CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-6

**TAMILNADU WATER SUPPLY AND DRAINAGE BOARD**

46

STATE LEVEL WATER TESTING LABORATORY**31, Kamarajar Salai, Chepauk, Chennai - 600 005**

Phone: 044 – 28412098 E-mail: twadboardcwa2024@gmail.com

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Source:	Palar River - Tambaram Pallavaram CWSS		
Location:	M.R.Park, Inlet Sump		
Date of Sample Received:	11.12.2024		
Date of Test Completed:	13.12.2024		
Test Report Date :	13.12.2024		
The test result of sample received is as follows.			
Sl. No.	BACTERIOLOGICAL EXAMINATION	Sample No. 1 Result	BIS 10500 - 2012
			Max limit
1	Total coliform CFU/100ml	0	Nil/100 ml
2	E.Coli CFU/100ml	0	Nil/100 ml
3	Fecal coliform CFU/100ml	0	Nil/100 ml

Report : The Water Sample is Bacteriologically safe

gan
16/12/24
CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

47

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 - 28412098 E-mail: twadboardcwa2024@gmail.com

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Date:	11.12.2024			
Test Completed on :	12.12.2024			
Test Report Date :	12.12.2024			
Source :	Palar River - Tambaram Pallavaram CWSS			
Location :	M.R.Park Outlet OHT			
Appearance, Colour, Odour :	Clear / Colourless / Agreeable			
The test result of sample received is as follows.				
Sl. No.	I. PHYSICAL EXAMINATION	Method of Testing	Sample No.2	IS 10500 : 2012 Permissible limit in the absence of alternate source
1	Turbidity NT Units	IS 3025 (Part 10) : 2023	3.1	5
2	Total dissolved Solids mg/L	IS 3025 (Part 16) : 2023	472	2000
3	Electrical Conductivity Micro mho/cm	IS 3025 (Part 14) : 2013	674	-
II. CHEMICAL EXAMINATION				
4	pH at 25°C	IS 3025 (Part 11) : 2022	7.43	6.5-8.5
5	Ph. Alkalinity as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	0	-
6	Total Alkalinity. as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	160	600
7	Total Hardness as CaCO ₃ mg/L	IS 3025 (Part 21) : 2023	168	600
8	Calcium as Ca mg/L	IS 3025 (Part 40) : 2024	40	200
9	Magnesium as Mg mg/L	IS 3025 (Part 46) : 2023	17	100
10	Sodium as Na mg/L	IS 3025 (Part 45) : 1993	75	-
11	Potassium as K mg/L	IS 3025 (Part 45) : 1993	4	-
12	Iron as Fe mg/L	IS 3025 (Part 53) : 2024	0.00	1.0
13	Manganese as Mn mg/L	IS 3025 (Part 59) : 2023	0	0.3
14	Free Ammonia as NH ₃ mg/L	IS 3025 (Part 34) : 2019	0.05	0.5
15	Nitrite as NO ₂ mg/L	IS 3025 (Part 34/Sec-1) : 2023	0.01	-
16	Nitrate as NO ₃ mg/L	IS 3025 (Part 34/Sec-1) : 2023	2	45
17	Chloride as Cl mg/L	IS 3025 (Part 32) : 1988	108	1000
18	Fluoride as F mg/L	IS 3025 (Part 60/Sec-1) : 2023	0.10	1.5
19	Sulphate as SO ₄ mg/L	IS 3025 (Part 24/Sec-1) : 2022	28	400
20	Phosphate as PO ₄ mg/L	IS 3025 (Part 31/Sec-1) : 2022	0.34	-
21	Residual Chlorine	IS 3025 (Part 26) : 1986 (RA 2003)	0.3	1.0

Report: The Water Sample is chemically potable.

DM
16/12/24

CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

48

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 - 28412098 E-mail: twadboardcwa2024@gmail.com

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Source:	Paigar River - Tambaram Pallavaram CWSS
Location:	M.R.Park Outlet OHT
Date of Sample Received:	11.12.2024
Date of Test Completed:	13.12.2024
Test Report Date :	13.12.2024

The test result of sample received is as follows.

Sl. No.	BACTERIOLOGICAL EXAMINATION	Sample No. 2 Result	BIS 10500 - 2012
			Max limit
1	Total coliform CFU/100ml	0	Nil/100 ml
2	E.Coli CFU/100ml	0	Nil/100 ml
3	Fecal coliform CFU/100ml	0	Nil/100 ml

Report : The Water Sample is Bacteriologically safe

omr
16/12/24
CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 - 28412098 E-mail: twadboardcwa2024@gmail.com

49

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Date:	11.12.2024			
Test Completed on :	12.12.2024			
Test Report Date :	12.12.2024			
Source :	Palar River - Tambaram Pallavaram CWSS			
Location :	Krishna Nagar Sump Inlet			
Appearance, Colour, Odour :	Clear / Colourless / Agreeable			
The test result of sample received is as follows.				
Sl. No.	I. PHYSICAL EXAMINATION	Method of Testing	Sample No.3	IS 10500 : 2012 Permissible limit in the absence of alternate source
1	Turbidity NT Units	IS 3025 (Part 10) : 2023	1.5	5
2	Total dissolved Solids mg/L	IS 3025 (Part 16) : 2023	424	2000
3	Electrical Conductivity Micro mho/cm	IS 3025 (Part 14) : 2013	605	-
II. CHEMICAL EXAMINATION				
4	pH at 25°C	IS 3025 (Part 11) : 2022	7.22	6.5-8.5
5	Ph. Alkalinity as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	0	-
6	Total Alkalinity. as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	156	600
7	Total Hardness as CaCO ₃ mg/L	IS 3025 (Part 21) : 2023	160	600
8	Calcium as Ca mg/L	IS 3025 (Part 40) : 2024	34	200
9	Magnesium as Mg mg/L	IS 3025 (Part 46) : 2023	18	100
10	Sodium as Na mg/L	IS 3025 (Part 45) : 1993	65	-
11	Potassium as K mg/L	IS 3025 (Part 45) : 1993	5	-
12	Iron as Fe mg/L	IS 3025 (Part 53) : 2024	0.00	1.0
13	Manganese as Mn mg/L	IS 3025 (Part 59) : 2023	0	0.3
14	Free Ammonia as NH ₃ mg/L	IS 3025 (Part 34) : 2019	0.19	0.5
15	Nitrite as NO ₂ mg/L	IS 3025 (Part 34/Sec-1) : 2023	0.00	-
16	Nitrate as NO ₃ mg/L	IS 3025 (Part 34/Sec-1) : 2023	2	45
17	Chloride as Cl mg/L	IS 3025 (Part 32) : 1988	94	1000
18	Fluoride as F mg/L	IS 3025 (Part 60/Sec-1) : 2023	0.00	1.5
19	Sulphate as SO ₄ mg/L	IS 3025 (Part 24/Sec-1) : 2022	26	400
20	Phosphate as PO ₄ mg/L	IS 3025 (Part 31/Sec-1) : 2022	0.27	-
21	Residual Chlorine	IS 3025 (Part 26) : 1986 (RA 2003)	0.0	1.0

Report: The Water Sample is chemically potable.

Jan 16/12/24
CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

50

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 - 28412098 E-mail: twadboardcwa2024@gmail.com

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Source:	Palar River - Tambaram Pallavaram CWSS		
Location:	Krishna Nagar Sump Inlet		
Date of Sample Received:	11.12.2024		
Date of Test Completed:	13.12.2024		
Test Report Date :	13.12.2024		
The test result of sample received is as follows.			
Sl. No.	BACTERIOLOGICAL EXAMINATION	Sample No. 3 Result	BIS 10500 - 2012
			Max limit
1	Total coliform CFU/100ml	0	Nil/100 ml
2	E.Coli CFU/100ml	0	Nil/100 ml
3	Fecal coliform CFU/100ml	0	Nil/100 ml

Report : The Water Sample is Bacteriologically safe

000/16/12/24
CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

51

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 - 28412098 E-mail: twadboardcwa2024@gmail.com

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Date:	11.12.2024			
Test Completed on :	12.12.2024			
Test Report Date :	12.12.2024			
Source :	Palar River - Tambaram Pallavaram CWSS			
Location :	Krishna Nagar Booster Sump (5 Lakh)			
Appearance, Colour, Odour :	Clear / Colourless / Chlorinous			
The test result of sample received is as follows.				
Sl. No.	I. PHYSICAL EXAMINATION	Method of Testing	Sample No.4	IS 10500 : 2012 Permissible limit in the absence of alternate source
1	Turbidity NT Units	IS 3025 (Part 10) : 2023	4.1	5
2	Total dissolved Solids mg/L	IS 3025 (Part 16) : 2023	541	2000
3	Electrical Conductivity Micro mho/cm	IS 3025 (Part 14) : 2013	773	-
II. CHEMICAL EXAMINATION				
4	pH at 25°C	IS 3025 (Part 11) : 2022	7.34	6.5-8.5
5	Ph. Alkalinity as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	0	-
6	Total Alkalinity. as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	192	600
7	Total Hardness as CaCO ₃ mg/L	IS 3025 (Part 21) : 2023	204	600
8	Calcium as Ca mg/L	IS 3025 (Part 40) : 2024	40	200
9	Magnesium as Mg mg/L	IS 3025 (Part 46) : 2023	25	100
10	Sodium as Na mg/L	IS 3025 (Part 45) : 1993	80	-
11	Potassium as K mg/L	IS 3025 (Part 45) : 1993	6	-
12	Iron as Fe mg/L	IS 3025 (Part 53) : 2024	0.09	1.0
13	Manganese as Mn mg/L	IS 3025 (Part 59) : 2023	0	0.3
14	Free Ammonia as NH ₃ mg/L	IS 3025 (Part 34) : 2019	0.03	0.5
15	Nitrite as NO ₂ mg/L	IS 3025 (Part 34/Sec-1) : 2023	0.00	-
16	Nitrate as NO ₃ mg/L	IS 3025 (Part 34/Sec-1) : 2023	1	45
17	Chloride as Cl mg/L	IS 3025 (Part 32) : 1988	116	1000
18	Fluoride as F mg/L	IS 3025 (Part 60/Sec-1) : 2023	0.10	1.5
19	Sulphate as SO ₄ mg/L	IS 3025 (Part 24/Sec-1) : 2022	32	400
20	Phosphate as PO ₄ mg/L	IS 3025 (Part 31/Sec-1) : 2022	0.53	-
21	Residual Chlorine	IS 3025 (Part 26) : 1986 (RA 2003)	1.0	1.0

Report: The Water Sample is chemically potable.

16/12/24

CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5

**TAMILNADU WATER SUPPLY AND DRAINAGE BOARD**

52

STATE LEVEL WATER TESTING LABORATORY**31, Kamarajar Salai, Chepauk, Chennai - 600 005**Phone: **044 - 28412098** E-mail: **twadboardcwa2024@gmail.com****Test Report**

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Source:	Palar River - Tambaram Pallavaram CWSS		
Location:	Krishna Nagar Booster Sump (5 Lakh)		
Date of Sample Received:	11.12.2024		
Date of Test Completed:	13.12.2024		
Test Report Date :	13.12.2024		
The test result of sample received is as follows.			
Sl. No.	BACTERIOLOGICAL EXAMINATION	Sample No. 4 Result	BIS 10500 - 2012
			Max limit
1	Total coliform CFU/100ml	0	Nil/100 ml
2	E.Coli CFU/100ml	0	Nil/100 ml
3	Fecal coliform CFU/100ml	0	Nil/100 ml

Report : The Water Sample is Bacteriologically safe

Jan
16/12/24
CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

53

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 - 28412098 E-mail: twadboardcwa2024@gmail.com

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Date:	11.12.2024			
Test Completed on :	12.12.2024			
Test Report Date :	12.12.2024			
Source :	Palar River - Tambaram Pallavaram CWSS			
Location :	Krishna Nagar Booster Outlet			
Appearance, Colour, Odour :	Clear / Colourless / Agreeable			
The test result of sample received is as follows.				
Sl. No.	I. PHYSICAL EXAMINATION	Method of Testing	Sample No.5	IS 10500 : 2012 Permissible limit in the absence of alternate source
1	Turbidity NT Units	IS 3025 (Part 10) : 2023	3.2	5
2	Total dissolved Solids mg/L	IS 3025 (Part 16) : 2023	533	2000
3	Electrical Conductivity Micro mho/cm	IS 3025 (Part 14) : 2013	762	-
II. CHEMICAL EXAMINATION				
4	pH at 25°C	IS 3025 (Part 11) : 2022	7.49	6.5-8.5
5	Ph. Alkalinity as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	0	-
6	Total Alkalinity. as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	188	600
7	Total Hardness as CaCO ₃ mg/L	IS 3025 (Part 21) : 2023	192	600
8	Calcium as Ca mg/L	IS 3025 (Part 40) : 2024	45	200
9	Magnesium as Mg mg/L	IS 3025 (Part 46) : 2023	19	100
10	Sodium as Na mg/L	IS 3025 (Part 45) : 1993	80	-
11	Potassium as K mg/L	IS 3025 (Part 45) : 1993	4	-
12	Iron as Fe mg/L	IS 3025 (Part 53) : 2024	0.10	1.0
13	Manganese as Mn mg/L	IS 3025 (Part 59) : 2023	0	0.3
14	Free Ammonia as NH ₃ mg/L	IS 3025 (Part 34) : 2019	0.09	0.5
15	Nitrite as NO ₂ mg/L	IS 3025 (Part 34/Sec-1) : 2023	0.00	-
16	Nitrate as NO ₃ mg/L	IS 3025 (Part 34/Sec-1) : 2023	1	45
17	Chloride as Cl mg/L	IS 3025 (Part 32) : 1988	118	1000
18	Fluoride as F mg/L	IS 3025 (Part 60/Sec-1) : 2023	0.10	1.5
19	Sulphate as SO ₄ mg/L	IS 3025 (Part 24/Sec-1) : 2022	28	400
20	Phosphate as PO ₄ mg/L	IS 3025 (Part 31/Sec-1) : 2022	0.44	-
21	Residual Chlorine	IS 3025 (Part 26) : 1986 (RA 2003)	0.2	1.0

Report: The Water Sample is chemically potable.

mm
16/12/24
CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

54

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 - 28412098 E-mail: twadboardcwa2024@gmail.com

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Source:	Palar River - Tambaram Pallavaram CWSS		
Location:	Krishna Nagar Booster Outlet		
Date of Sample Received:	11.12.2024		
Date of Test Completed:	13.12.2024		
Test Report Date :	13.12.2024		
The test result of sample received is as follows.			
Sl. No.	BACTERIOLOGICAL EXAMINATION	Sample No. 5 Result	BIS 10500 - 2012
			Max limit
1	Total coliform CFU/100ml	0	Nil/100 ml
2	E.Coli CFU/100ml	0	Nil/100 ml
3	Fecal coliform CFU/100ml	0	Nil/100 ml

Report : The Water Sample is Bacteriologically safe

m
16/12/24

CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 - 28412098 E-mail: twadboardcwa2024@gmail.com

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Date:	11.12.2024			
Test Completed on :	12.12.2024			
Test Report Date :	12.12.2024			
Source :	Palar River - Tambaram Pallavaram CWSS			
Location :	Kone Krishna Sump Inlet			
Appearance, Colour, Odour :	Clear / Colourless / Agreeable			
The test result of sample received is as follows.				
Sl. No.	I. PHYSICAL EXAMINATION	Method of Testing	Sample No.6	IS 10500 : 2012 Permissible limit in the absence of alternate source
1	Turbidity NT Units	IS 3025 (Part 10) : 2023	4.1	5
2	Total dissolved Solids mg/L	IS 3025 (Part 16) : 2023	464	2000
3	Electrical Conductivity Micro mho/cm	IS 3025 (Part 14) : 2013	663	-
II. CHEMICAL EXAMINATION				
4	pH at 25°C	IS 3025 (Part 11) : 2022	7.41	6.5-8.5
5	Ph. Alkalinity as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	0	-
6	Total Alkalinity. as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	172	600
7	Total Hardness as CaCO ₃ mg/L	IS 3025 (Part 21) : 2023	168	600
8	Calcium as Ca mg/L	IS 3025 (Part 40) : 2024	38	200
9	Magnesium as Mg mg/L	IS 3025 (Part 46) : 2023	18	100
10	Sodium as Na mg/L	IS 3025 (Part 45) : 1993	71	-
11	Potassium as K mg/L	IS 3025 (Part 45) : 1993	5	-
12	Iron as Fe mg/L	IS 3025 (Part 53) : 2024	0.00	1.0
13	Manganese as Mn mg/L	IS 3025 (Part 59) : 2023	0	0.3
14	Free Ammonia as NH ₃ mg/L	IS 3025 (Part 34) : 2019	0.00	0.5
15	Nitrite as NO ₂ mg/L	IS 3025 (Part 34/Sec-1) : 2023	0.00	-
16	Nitrate as NO ₃ mg/L	IS 3025 (Part 34/Sec-1) : 2023	1	45
17	Chloride as Cl mg/L	IS 3025 (Part 32) : 1988	102	1000
18	Fluoride as F mg/L	IS 3025 (Part 60/Sec-1) : 2023	0.10	1.5
19	Sulphate as SO ₄ mg/L	IS 3025 (Part 24/Sec-1) : 2022	26	400
20	Phosphate as PO ₄ mg/L	IS 3025 (Part 31/Sec-1) : 2022	0.36	-
21	Residual Chlorine	IS 3025 (Part 26) : 1986 (RA 2003)	0.1	1.0

Report: The Water Sample is chemically potable.

Handwritten signature
16/12/24

CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

56

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 – 28412098 E-mail: twadboardcwa2024@gmail.com

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Source:	Palar River - Tambaram Pallavaram CWSS		
Location:	Kone Krishna Sump Inlet		
Date of Sample Received:	11.12.2024		
Date of Test Completed:	13.12.2024		
Test Report Date :	13.12.2024		
The test result of sample received is as follows.			
SI. No.	BACTERIOLOGICAL EXAMINATION	Sample No. 6 Result	BIS 10500 - 2012
			Max limit
1	Total coliform CFU/100ml	0	Nil/100 ml
2	E.Coli CFU/100ml	0	Nil/100 ml
3	Fecal coliform CFU/100ml	0	Nil/100 ml

Report : The Water Sample is Bacteriologically safe

Handwritten signature and date: 16/12/24

CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 - 28412098 E-mail: twadboardcwa2024@gmail.com

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Date:	11.12.2024			
Test Completed on :	12.12.2024			
Test Report Date :	12.12.2024			
Source :	Palar River - Tambaram Pallavaram CWSS			
Location :	Kone Krishna OHT Outlet			
Appearance, Colour, Odour :	Clear / Colourless / Chlorinous			
The test result of sample received is as follows.				
Sl. No.	I. PHYSICAL EXAMINATION	Method of Testing	Sample No.7	IS 10500 : 2012 Permissible limit in the absence of alternate source
1	Turbidity NT Units	IS 3025 (Part 10) : 2023	4.7	5
2	Total dissolved Solids mg/L	IS 3025 (Part 16) : 2023	523	2000
3	Electrical Conductivity Micro mho/cm	IS 3025 (Part 14) : 2013	747	-
II. CHEMICAL EXAMINATION				
4	pH at 25°C	IS 3025 (Part 11) : 2022	7.76	6.5-8.5
5	Ph. Alkalinity as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	0	-
6	Total Alkalinity. as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	160	600
7	Total Hardness as CaCO ₃ mg/L	IS 3025 (Part 21) : 2023	156	600
8	Calcium as Ca mg/L	IS 3025 (Part 40) : 2024	40	200
9	Magnesium as Mg mg/L	IS 3025 (Part 46) : 2023	14	100
10	Sodium as Na mg/L	IS 3025 (Part 45) : 1993	82	-
11	Potassium as K mg/L	IS 3025 (Part 45) : 1993	4	-
12	Iron as Fe mg/L	IS 3025 (Part 53) : 2024	0.00	1.0
13	Manganese as Mn mg/L	IS 3025 (Part 59) : 2023	0	0.3
14	Free Ammonia as NH ₃ mg/L	IS 3025 (Part 34) : 2019	0.01	0.5
15	Nitrite as NO ₂ mg/L	IS 3025 (Part 34/Sec-1) : 2023	0.00	-
16	Nitrate as NO ₃ mg/L	IS 3025 (Part 34/Sec-1) : 2023	2	45
17	Chloride as Cl mg/L	IS 3025 (Part 32) : 1988	124	1000
18	Fluoride as F mg/L	IS 3025 (Part 60/Sec-1) : 2023	0.00	1.5
19	Sulphate as SO ₄ mg/L	IS 3025 (Part 24/Sec-1) : 2022	26	400
20	Phosphate as PO ₄ mg/L	IS 3025 (Part 31/Sec-1) : 2022	0.32	-
21	Residual Chlorine	IS 3025 (Part 26) : 1986 (RA 2003)	2.5	1.0

Report: The Water Sample is chemically potable.


 CHIEF WATER ANALYST
 TWAD BOARD, CHENNAI-5

**TAMILNADU WATER SUPPLY AND DRAINAGE BOARD**

58

STATE LEVEL WATER TESTING LABORATORY**31, Kamarajar Salai, Chepauk, Chennai - 600 005**Phone: **044 – 28412098** E-mail: **twadboardcwa2024@gmail.com****Test Report**

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Source:	Palar River - Tambaram Pallavaram CWSS
Location:	Kone Krishna OHT Outlet
Date of Sample Received:	11.12.2024
Date of Test Completed:	13.12.2024
Test Report Date :	13.12.2024

The test result of sample received is as follows.

Sl. No.	BACTERIOLOGICAL EXAMINATION	Sample No. 7 Result	BIS 10500 - 2012
			Max limit
1	Total coliform CFU/100ml	0	Nil/100 ml
2	E.Coli CFU/100ml	0	Nil/100 ml
3	Fecal coliform CFU/100ml	0	Nil/100 ml

Report : The Water Sample is Bacteriologically safe

Handwritten signature
16/12/24

**CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5**



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

59

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 - 28412098 E-mail: twadboardcwa2024@gmail.com

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Date:	11.12.2024
Test Completed on :	12.12.2024
Test Report Date :	12.12.2024
Source :	Palar River - Tambaram Pallavaram CWSS
Location :	Kadeperi Booster Tapping Inlet
Appearance, Colour, Odour :	Clear / Colourless / Agreeable

The test result of sample received is as follows.

Sl. No.	I. PHYSICAL EXAMINATION	Method of Testing	Sample No.8	IS 10500 : 2012
				Permissible limit in the absence of alternate source
1	Turbidity NT Units	IS 3025 (Part 10) : 2023	3.2	5
2	Total dissolved Solids mg/L	IS 3025 (Part 16) : 2023	530	2000
3	Electrical Conductivity Micro mho/cm	IS 3025 (Part 14) : 2013	757	-
II. CHEMICAL EXAMINATION				
4	pH at 25°C	IS 3025 (Part 11) : 2022	7.66	6.5-8.5
5	Ph. Alkalinity as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	0	-
6	Total Alkalinity. as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	180	600
7	Total Hardness as CaCO ₃ mg/L	IS 3025 (Part 21) : 2023	196	600
8	Calcium as Ca mg/L	IS 3025 (Part 40) : 2024	42	200
9	Magnesium as Mg mg/L	IS 3025 (Part 46) : 2023	22	100
10	Sodium as Na mg/L	IS 3025 (Part 45) : 1993	80	-
11	Potassium as K mg/L	IS 3025 (Part 45) : 1993	5	-
12	Iron as Fe mg/L	IS 3025 (Part 53) : 2024	0.09	1.0
13	Manganese as Mn mg/L	IS 3025 (Part 59) : 2023	0	0.3
14	Free Ammonia as NH ₃ mg/L	IS 3025 (Part 34) : 2019	0.00	0.5
15	Nitrite as NO ₂ mg/L	IS 3025 (Part 34/Sec-1) : 2023	0.00	-
16	Nitrate as NO ₃ mg/L	IS 3025 (Part 34/Sec-1) : 2023	1	45
17	Chloride as Cl mg/L	IS 3025 (Part 32) : 1988	114	1000
18	Fluoride as F mg/L	IS 3025 (Part 60/Sec-1) : 2023	0.10	1.5
19	Sulphate as SO ₄ mg/L	IS 3025 (Part 24/Sec-1) : 2022	27	400
20	Phosphate as PO ₄ mg/L	IS 3025 (Part 31/Sec-1) : 2022	0.44	-
21	Residual Chlorine	IS 3025 (Part 26) : 1986 (RA 2003)	0.1	1.0

Report: The Water Sample is chemically potable.

mm
(6/12/24)

CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 – 28412098 E-mail: twadboardcwa2024@gmail.com

60

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Source:	Palar River - Tambaram Pallavaram CWSS		
Location:	Kadeperi Booster Tapping Inlet		
Date of Sample Received:	11.12.2024		
Date of Test Completed:	13.12.2024		
Test Report Date :	13.12.2024		
The test result of sample received is as follows.			
Sl. No.	BACTERIOLOGICAL EXAMINATION	Sample No. & Result	BIS 10500 - 2012
			Max limit
1	Total coliform CFU/100ml	0	Nil/100 ml
2	E.Coli CFU/100ml	0	Nil/100 ml
3	Fecal coliform CFU/100ml	0	Nil/100 ml

Report : The Water Sample is Bacteriologically safe

Handwritten signature and date: 16/12/24

CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

61

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 - 28412098 E-mail: twadboardcwa2024@gmail.com

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Date:	11.12.2024			
Test Completed on :	12.12.2024			
Test Report Date :	12.12.2024			
Source :	Palar River - Tambaram Pallavaram CWSS			
Location :	New Colony Pallavaram Ground Level Sump			
Appearance, Colour, Odour :	Clear / Colourless / Agreeable			
The test result of sample received is as follows.				
Sl. No.	I. PHYSICAL EXAMINATION	Method of Testing	Sample No.9	IS 10500 : 2012 Permissible limit in the absence of alternate source
1	Turbidity NT Units	IS 3025 (Part 10) : 2023	3.8	5
2	Total dissolved Solids mg/L	IS 3025 (Part 16) : 2023	491	2000
3	Electrical Conductivity Micro mho/cm	IS 3025 (Part 14) : 2013	701	-
II. CHEMICAL EXAMINATION				
4	pH at 25°C	IS 3025 (Part 11) : 2022	7.64	6.5-8.5
5	Ph. Alkalinity as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	0	-
6	Total Alkalinity. as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	172	600
7	Total Hardness as CaCO ₃ mg/L	IS 3025 (Part 21) : 2023	188	600
8	Calcium as Ca mg/L	IS 3025 (Part 40) : 2024	40	200
9	Magnesium as Mg mg/L	IS 3025 (Part 46) : 2023	21	100
10	Sodium as Na mg/L	IS 3025 (Part 45) : 1993	77	-
11	Potassium as K mg/L	IS 3025 (Part 45) : 1993	6	-
12	Iron as Fe mg/L	IS 3025 (Part 53) : 2024	0.05	1.0
13	Manganese as Mn mg/L	IS 3025 (Part 59) : 2023	0	0.3
14	Free Ammonia as NH ₃ mg/L	IS 3025 (Part 34) : 2019	0.05	0.5
15	Nitrite as NO ₂ mg/L	IS 3025 (Part 34/Sec-1) : 2023	0.00	-
16	Nitrate as NO ₃ mg/L	IS 3025 (Part 34/Sec-1) : 2023	1	45
17	Chloride as Cl mg/L	IS 3025 (Part 32) : 1988	104	1000
18	Fluoride as F mg/L	IS 3025 (Part 60/Sec-1) : 2023	0.10	1.5
19	Sulphate as SO ₄ mg/L	IS 3025 (Part 24/Sec-1) : 2022	27	400
20	Phosphate as PO ₄ mg/L	IS 3025 (Part 31/Sec-1) : 2022	0.40	-
21	Residual Chlorine	IS 3025 (Part 26) : 1986 (RA 2003)	0.1	1.0

Report: The Water Sample is chemically potable.

am
16/12/24

CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 - 28412098 E-mail: twadboardcwa2024@gmail.com

62

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Source:	Palar River - Tambaram Pallavaram CWSS		
Location:	New Colony Pallavaram Ground Level Sump		
Date of Sample Received:	11.12.2024		
Date of Test Completed:	13.12.2024		
Test Report Date :	13.12.2024		
The test result of sample received is as follows.			
Sl. No.	BACTERIOLOGICAL EXAMINATION	Sample No. 9 Result	BIS 10500 - 2012
			Max limit
1	Total coliform CFU/100ml	0	Nil/100 ml
2	E.Coli CFU/100ml	0	Nil/100 ml
3	Fecal coliform CFU/100ml	0	Nil/100 ml

Report : The Water Sample is Bacteriologically safe

Handwritten signature and date: 16/12/24

CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

63

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 - 28412098 E-mail: twadboardcwa2024@gmail.com

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Date:	11.12.2024			
Test Completed on :	12.12.2024			
Test Report Date :	12.12.2024			
Source :	Palar River - Tambaram Pallavaram CWSS			
Location :	Tap Water - GST Road, Mr.Bhuhari Hotel			
Appearance, Colour, Odour :	Clear / Colourless / Agreeable			
The test result of sample received is as follows.				
Sl. No.	I. PHYSICAL EXAMINATION	Method of Testing	Sample No.10	IS 10500 : 2012 Permissible limit in the absence of alternate source
1	Turbidity NT Units	IS 3025 (Part 10) : 2023	4.7	5
2	Total dissolved Solids mg/L	IS 3025 (Part 16) : 2023	506	2000
3	Electrical Conductivity Micro mho/cm	IS 3025 (Part 14) : 2013	723	-
II. CHEMICAL EXAMINATION				
4	pH at 25°C	IS 3025 (Part 11) : 2022	7.51	6.5-8.5
5	Ph. Alkalinity as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	0	-
6	Total Alkalinity. as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	184	600
7	Total Hardness as CaCO ₃ mg/L	IS 3025 (Part 21) : 2023	188	600
8	Calcium as Ca mg/L	IS 3025 (Part 40) : 2024	42	200
9	Magnesium as Mg mg/L	IS 3025 (Part 46) : 2023	20	100
10	Sodium as Na mg/L	IS 3025 (Part 45) : 1993	84	-
11	Potassium as K mg/L	IS 3025 (Part 45) : 1993	5	-
12	Iron as Fe mg/L	IS 3025 (Part 53) : 2024	0.10	1.0
13	Manganese as Mn mg/L	IS 3025 (Part 59) : 2023	0	0.3
14	Free Ammonia as NH ₃ mg/L	IS 3025 (Part 34) : 2019	0.00	0.5
15	Nitrite as NO ₂ mg/L	IS 3025 (Part 34/Sec-1) : 2023	0.00	-
16	Nitrate as NO ₃ mg/L	IS 3025 (Part 34/Sec-1) : 2023	1	45
17	Chloride as Cl mg/L	IS 3025 (Part 32) : 1988	110	1000
18	Fluoride as F mg/L	IS 3025 (Part 60/Sec-1) : 2023	0.10	1.5
19	Sulphate as SO ₄ mg/L	IS 3025 (Part 24/Sec-1) : 2022	27	400
20	Phosphate as PO ₄ mg/L	IS 3025 (Part 31/Sec-1) : 2022	0.44	-
21	Residual Chlorine	IS 3025 (Part 26) : 1986 (RA 2003)	0.1	1.0

Report: The Water Sample is chemically potable.

mm
16/12/24
CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 – 28412098 E-mail: twadboardcwa2024@gmail.com

64

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Source:	Palar River - Tambaram Pallavaram CWSS
Location:	Tap Water - GST Road, Mr.Bhuhari Hotel
Date of Sample Received:	11.12.2024
Date of Test Completed:	13.12.2024
Test Report Date :	13.12.2024

The test result of sample received is as follows.

Sl. No.	BACTERIOLOGICAL EXAMINATION	Sample No. 10 Result	BIS 10500 - 2012
			Max limit
1	Total coliform CFU/100ml	0	Nil/100 ml
2	E.Coli CFU/100ml	0	Nil/100 ml
3	Fecal coliform CFU/100ml	0	Nil/100 ml

Report : The Water Sample is Bacteriologically safe

mm
16/12/24

CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 - 28412098 E-mail: twadboardcwa2024@gmail.com

65

Annexure-A

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Date:	12.12.2024			
Test Completed on :	14.12.2024			
Test Report Date :	14.12.2024			
Source :	Palar River - Tambaram Pallavaram CWSS			
Location :	TNHB Colony-1 Sump Outlet			
Appearance, Colour, Odour :	Clear / Colourless / Agreeable			
The test result of sample received is as follows.				
Sl. No.	I. PHYSICAL EXAMINATION	Method of Testing	Sample No.1	IS 10500 : 2012 Permissible limit in the absence of alternate source
1	Turbidity NT Units	IS 3025 (Part 10) : 2023	4.0	5
2	Total dissolved Solids mg/L	IS 3025 (Part 16) : 2023	548	2000
3	Electrical Conductivity Micro mho/cm	IS 3025 (Part 14) : 2013	783	-
II. CHEMICAL EXAMINATION				
4	pH at 25°C	IS 3025 (Part 11) : 2022	7.30	6.5-8.5
5	Ph. Alkalinity as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	0	-
6	Total Alkalinity. as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	184	600
7	Total Hardness as CaCO ₃ mg/L	IS 3025 (Part 21) : 2023	200	600
8	Calcium as Ca mg/L	IS 3025 (Part 40) : 2024	67	200
9	Magnesium as Mg mg/L	IS 3025 (Part 46) : 2023	8	100
10	Sodium as Na mg/L	IS 3025 (Part 45) : 1993	82	-
11	Potassium as K mg/L	IS 3025 (Part 45) : 1993	4	-
12	Iron as Fe mg/L	IS 3025 (Part 53) : 2024	0.00	1.0
13	Manganese as Mn mg/L	IS 3025 (Part 59) : 2023	0	0.3
14	Free Ammonia as NH ₃ mg/L	IS 3025 (Part 34) : 2019	0.00	0.5
15	Nitrite as NO ₂ mg/L	IS 3025 (Part 34/Sec-1) : 2023	0.01	-
16	Nitrate as NO ₃ mg/L	IS 3025 (Part 34/Sec-1) : 2023	1	45
17	Chloride as Cl mg/L	IS 3025 (Part 32) : 1988	118	1000
18	Fluoride as F mg/L	IS 3025 (Part 60/Sec-1) : 2023	0.10	1.5
19	Sulphate as SO ₄ mg/L	IS 3025 (Part 24/Sec-1) : 2022	23	400
20	Phosphate as PO ₄ mg/L	IS 3025 (Part 31/Sec-1) : 2022	0.40	-
21	Residual Chlorine	IS 3025 (Part 26) : 1986 (RA 2003)	0.2	1.0

Report: The Water Sample is chemically potable.

om
16/12/24
CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5

66



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: **044 – 28412098** E-mail: **twadboardcwa2024@gmail.com**

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Source:	Palar River - Tambaram Pallavaram CWSS		
Location:	TNHB Colony-1 Sump Outlet		
Date of Sample Received:	12.12.2024		
Date of Test Completed:	14.12.2024		
Test Report Date :	14.12.2024		
The test result of sample received is as follows.			
Sl. No.	BACTERIOLOGICAL EXAMINATION	Sample No. 1 Result	BIS 10500 - 2012
			Max limit
1	Total coliform CFU/100ml	0	Nil/100 ml
2	E.Coli CFU/100ml	0	Nil/100 ml
3	Fecal coliform CFU/100ml	0	Nil/100 ml

Report : The Water Sample is Bacteriologically safe

Signature
16/12/24

CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 - 28412098 E-mail: twadboardcwa2024@gmail.com

67

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Date:	12.12.2024			
Test Completed on :	14.12.2024			
Test Report Date :	14.12.2024			
Source :	Palar River - Tambaram Pallavaram CWSS			
Location :	TNHB Colony-2 Sump Inlet			
Appearance, Colour, Odour :	Clear / Colourless / Agreeable			
The test result of sample received is as follows.				
Sl. No.	I. PHYSICAL EXAMINATION	Method of Testing	Sample No.2	IS 10500 : 2012 Permissible limit in the absence of alternate source
1	Turbidity NT Units	IS 3025 (Part 10) : 2023	3.5	5
2	Total dissolved Solids mg/L	IS 3025 (Part 16) : 2023	610	2000
3	Electrical Conductivity Micro mho/cm	IS 3025 (Part 14) : 2013	871	-
II. CHEMICAL EXAMINATION				
4	pH at 25°C	IS 3025 (Part 11) : 2022	7.18	6.5-8.5
5	Ph. Alkalinity as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	0	-
6	Total Alkalinity. as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	208	600
7	Total Hardness as CaCO ₃ mg/L	IS 3025 (Part 21) : 2023	208	600
8	Calcium as Ca mg/L	IS 3025 (Part 40) : 2024	51	200
9	Magnesium as Mg mg/L	IS 3025 (Part 46) : 2023	19	100
10	Sodium as Na mg/L	IS 3025 (Part 45) : 1993	95	-
11	Potassium as K mg/L	IS 3025 (Part 45) : 1993	5	-
12	Iron as Fe mg/L	IS 3025 (Part 53) : 2024	0.00	1.0
13	Manganese as Mn mg/L	IS 3025 (Part 59) : 2023	0	0.3
14	Free Ammonia as NH ₃ mg/L	IS 3025 (Part 34) : 2019	0.00	0.5
15	Nitrite as NO ₂ mg/L	IS 3025 (Part 34/Sec-1) : 2023	0.01	-
16	Nitrate as NO ₃ mg/L	IS 3025 (Part 34/Sec-1) : 2023	1	45
17	Chloride as Cl mg/L	IS 3025 (Part 32) : 1988	128	1000
18	Fluoride as F mg/L	IS 3025 (Part 60/Sec-1) : 2023	0.10	1.5
19	Sulphate as SO ₄ mg/L	IS 3025 (Part 24/Sec-1) : 2022	25	400
20	Phosphate as PO ₄ mg/L	IS 3025 (Part 31/Sec-1) : 2022	0.35	-
21	Residual Chlorine	IS 3025 (Part 26) : 1986 (RA 2003)	0.0	1.0

Report: The Water Sample is chemically potable.

Signature
16/12/24

CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5


TAMILNADU WATER SUPPLY AND DRAINAGE BOARD
STATE LEVEL WATER TESTING LABORATORY
31, Kamarajar Salai, Chepauk, Chennai - 600 005
Phone: 044 – 28412098 E-mail: twadboardcwa2024@gmail.com
Test Report
To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Source:	Palar River - Tambaram Pallavaram CWSS		
Location:	TNHB Colony-2 Sump Inlet		
Date of Sample Received:	12.12.2024		
Date of Test Completed:	14.12.2024		
Test Report Date :	14.12.2024		
The test result of sample received is as follows.			
Sl. No.	BACTERIOLOGICAL EXAMINATION	Sample No. 2 Result	BIS 10500 - 2012
			Max limit
1	Total coliform CFU/100ml	0	Nil/100 ml
2	E.Coli CFU/100ml	0	Nil/100 ml
3	Fecal coliform CFU/100ml	0	Nil/100 ml

Report : The Water Sample is Bacteriologically safe

CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 - 28412098 E-mail: twadboardcwa2024@gmail.com

69

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Date:	11.12.2024			
Test Completed on :	12.12.2024			
Test Report Date :	12.12.2024			
Source :	Palar River - Tambaram Pallavaram CWSS			
Location :	Shanthi Nagar Sump Inlet			
Appearance, Colour, Odour :	Clear / Colourless / Agreeable			
The test result of sample received is as follows.				
Sl. No.	I. PHYSICAL EXAMINATION	Method of Testing	Sample No.3	IS 10500 : 2012 Permissible limit in the absence of alternate source
1	Turbidity NT Units	IS 3025 (Part 10) : 2023	4.3	5
2	Total dissolved Solids mg/L	IS 3025 (Part 16) : 2023	547	2000
3	Electrical Conductivity Micro mho/cm	IS 3025 (Part 14) : 2013	782	-
II. CHEMICAL EXAMINATION				
4	pH at 25°C	IS 3025 (Part 11) : 2022	7.60	6.5-8.5
5	Ph. Alkalinity as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	0	-
6	Total Alkalinity. as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	184	600
7	Total Hardness as CaCO ₃ mg/L	IS 3025 (Part 21) : 2023	184	600
8	Calcium as Ca mg/L	IS 3025 (Part 40) : 2024	45	200
9	Magnesium as Mg mg/L	IS 3025 (Part 46) : 2023	18	100
10	Sodium as Na mg/L	IS 3025 (Part 45) : 1993	89	-
11	Potassium as K mg/L	IS 3025 (Part 45) : 1993	6	-
12	Iron as Fe mg/L	IS 3025 (Part 53) : 2024	0.00	1.0
13	Manganese as Mn mg/L	IS 3025 (Part 59) : 2023	0	0.3
14	Free Ammonia as NH ₃ mg/L	IS 3025 (Part 34) : 2019	0.13	0.5
15	Nitrite as NO ₂ mg/L	IS 3025 (Part 34/Sec-1) : 2023	0.00	-
16	Nitrate as NO ₃ mg/L	IS 3025 (Part 34/Sec-1) : 2023	1	45
17	Chloride as Cl mg/L	IS 3025 (Part 32) : 1988	120	1000
18	Fluoride as F mg/L	IS 3025 (Part 60/Sec-1) : 2023	0.10	1.5
19	Sulphate as SO ₄ mg/L	IS 3025 (Part 24/Sec-1) : 2022	24	400
20	Phosphate as PO ₄ mg/L	IS 3025 (Part 31/Sec-1) : 2022	0.40	-
21	Residual Chlorine	IS 3025 (Part 26) : 1986 (RA 2003)	0.2	1.0

Report: The Water Sample is chemically potable.

16/12/24

CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5

70



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: **044 – 28412098** E-mail: **twadboardcwa2024@gmail.com**

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Source:	Palar River - Tambaram Pallavaram CWSS		
Location:	Shanthi Nagar Sump Inlet		
Date of Sample Received:	12.12.2024		
Date of Test Completed:	14.12.2024		
Test Report Date :	14.12.2024		
The test result of sample received is as follows.			
Sl. No.	BACTERIOLOGICAL EXAMINATION	Sample No. 3 Result	BIS 10500 - 2012
			Max limit
1	Total coliform CFU/100ml	0	Nil/100 ml
2	E.Coli CFU/100ml	0	Nil/100 ml
3	Fecal coliform CFU/100ml	0	Nil/100 ml

Report : The Water Sample is Bacteriologically safe

Handwritten signature and date: 16/12/24

**CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5**



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 - 28412098 E-mail: twadboardcwa2024@gmail.com

71

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Date:	12.12.2024			
Test Completed on :	14.12.2024			
Test Report Date :	14.12.2024			
Source :	Palar River - Tambaram Pallavaram CWSS			
Location :	Shanthy Nagar Outlet 1st tapping OHT			
Appearance, Colour, Odour :	Clear / Colourless / Chlorinous			
The test result of sample received is as follows.				
Sl. No.	I. PHYSICAL EXAMINATION	Method of Testing	Sample No.4	IS 10500 : 2012 Permissible limit in the absence of alternate source
1	Turbidity NT Units	IS 3025 (Part 10) : 2023	4.6	5
2	Total dissolved Solids mg/L	IS 3025 (Part 16) : 2023	538	2000
3	Electrical Conductivity Micro mho/cm	IS 3025 (Part 14) : 2013	769	-
II. CHEMICAL EXAMINATION				
4	pH at 25°C	IS 3025 (Part 11) : 2022	7.55	6.5-8.5
5	Ph. Alkalinity as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	0	-
6	Total Alkalinity. as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	172	600
7	Total Hardness as CaCO ₃ mg/L	IS 3025 (Part 21) : 2023	192	600
8	Calcium as Ca mg/L	IS 3025 (Part 40) : 2024	38	200
9	Magnesium as Mg mg/L	IS 3025 (Part 46) : 2023	23	100
10	Sodium as Na mg/L	IS 3025 (Part 45) : 1993	76	-
11	Potassium as K mg/L	IS 3025 (Part 45) : 1993	5	-
12	Iron as Fe mg/L	IS 3025 (Part 53) : 2024	0.00	1.0
13	Manganese as Mn mg/L	IS 3025 (Part 59) : 2023	0	0.3
14	Free Ammonia as NH ₃ mg/L	IS 3025 (Part 34) : 2019	0.00	0.5
15	Nitrite as NO ₂ mg/L	IS 3025 (Part 34/Sec-1) : 2023	0.01	-
16	Nitrate as NO ₃ mg/L	IS 3025 (Part 34/Sec-1) : 2023	1	45
17	Chloride as Cl mg/L	IS 3025 (Part 32) : 1988	120	1000
18	Fluoride as F mg/L	IS 3025 (Part 60/Sec-1) : 2023	0.20	1.5
19	Sulphate as SO ₄ mg/L	IS 3025 (Part 24/Sec-1) : 2022	23	400
20	Phosphate as PO ₄ mg/L	IS 3025 (Part 31/Sec-1) : 2022	0.41	-
21	Residual Chlorine	IS 3025 (Part 26) : 1986 (RA 2003)	2.5	1.0

Report: The Water Sample is chemically potable.

Signature

CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

72

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 - 28412098 E-mail: twadboardcwa2024@gmail.com

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Source:	Palar River - Tambaram Pallavaram CWSS		
Location:	Shanthi Nagar Outlet 1st tapping OHT		
Date of Sample Received:	12.12.2024		
Date of Test Completed:	14.12.2024		
Test Report Date :	14.12.2024		
The test result of sample received is as follows.			
Sl. No.	BACTERIOLOGICAL EXAMINATION	Sample No. 4 Result	BIS 10500 - 2012
			Max limit
1	Total coliform CFU/100ml	0	Nil/100 ml
2	E.Coli CFU/100ml	0	Nil/100 ml
3	Fecal coliform CFU/100ml	0	Nil/100 ml

Report : The Water Sample is Bacteriologically safe

om
16/12/24
CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

73

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 – 28412098 E-mail: twadboardcwa2024@gmail.com

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Date:	12.12.2024			
Test Completed on :	14.12.2024			
Test Report Date :	14.12.2024			
Source :	Palar River - Tambaram Pallavaram CWSS			
Location :	Radha Nagar Sump Inlet			
Appearance, Colour, Odour :	Clear / Colourless / Agreeable			
The test result of sample received is as follows.				
Sl. No.	I. PHYSICAL EXAMINATION	Method of Testing	Sample No.5	IS 10500 : 2012 Permissible limit in the absence of alternate source
1	Turbidity NT Units	IS 3025 (Part 10) : 2023	4.9	5
2	Total dissolved Solids mg/L	IS 3025 (Part 16) : 2023	494	2000
3	Electrical Conductivity Micro mho/cm	IS 3025 (Part 14) : 2013	705	-
II. CHEMICAL EXAMINATION				
4	pH at 25°C	IS 3025 (Part 11) : 2022	7.44	6.5-8.5
5	Ph. Alkalinity as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	0	-
6	Total Alkalinity. as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	156	600
7	Total Hardness as CaCO ₃ mg/L	IS 3025 (Part 21) : 2023	188	600
8	Calcium as Ca mg/L	IS 3025 (Part 40) : 2024	50	200
9	Magnesium as Mg mg/L	IS 3025 (Part 46) : 2023	16	100
10	Sodium as Na mg/L	IS 3025 (Part 45) : 1993	77	-
11	Potassium as K mg/L	IS 3025 (Part 45) : 1993	5	-
12	Iron as Fe mg/L	IS 3025 (Part 53) : 2024	0.00	1.0
13	Manganese as Mn mg/L	IS 3025 (Part 59) : 2023	0	0.3
14	Free Ammonia as NH ₃ mg/L	IS 3025 (Part 34) : 2019	0.00	0.5
15	Nitrite as NO ₂ mg/L	IS 3025 (Part 34/Sec-1) : 2023	0.00	-
16	Nitrate as NO ₃ mg/L	IS 3025 (Part 34/Sec-1) : 2023	1	45
17	Chloride as Cl mg/L	IS 3025 (Part 32) : 1988	102	1000
18	Fluoride as F mg/L	IS 3025 (Part 60/Sec-1) : 2023	0.16	1.5
19	Sulphate as SO ₄ mg/L	IS 3025 (Part 24/Sec-1) : 2022	25	400
20	Phosphate as PO ₄ mg/L	IS 3025 (Part 31/Sec-1) : 2022	0.31	-
21	Residual Chlorine	IS 3025 (Part 26) : 1986 (RA 2003)	0.1	1.0

Report: The Water Sample is chemically potable.

16/12/24
CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 - 28412098 E-mail: twadboardcwa2024@gmail.com

7/1

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Source:	Palar River - Tambaram Pallavaram CWSS		
Location:	Radha Nagar Sump Inlet		
Date of Sample Received:	12.12.2024		
Date of Test Completed:	14.12.2024		
Test Report Date :	14.12.2024		
The test result of sample received is as follows.			
Sl. No.	BACTERIOLOGICAL EXAMINATION	Sample No. 5 Result	BIS 10500 - 2012
			Max limit
1	Total coliform CFU/100ml	0	Nil/100 ml
2	E.Coli CFU/100ml	0	Nil/100 ml
3	Fecal coliform CFU/100ml	0	Nil/100 ml

Report : The Water Sample is Bacteriologically safe

16/12/24
**CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5**



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

75

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 - 28412098 E-mail: twadboardcwa2024@gmail.com

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Date:	12.12.2024			
Test Completed on :	14.12.2024			
Test Report Date :	14.12.2024			
Source :	Palar River - Tambaram Pallavaram CWSS			
Location :	Radha Nagar OHT Outlet Tap			
Appearance, Colour, Odour :	Clear / Colourless / Chlorinous			
The test result of sample received is as follows.				
Sl. No.	I. PHYSICAL EXAMINATION	Method of Testing	Sample No.6	IS 10500 : 2012 Permissible limit in the absence of alternate source
1	Turbidity NT Units	IS 3025 (Part 10) : 2023	0.2	5
2	Total dissolved Solids mg/L	IS 3025 (Part 16) : 2023	404	2000
3	Electrical Conductivity Micro mho/cm	IS 3025 (Part 14) : 2013	577	-
II. CHEMICAL EXAMINATION				
4	pH at 25°C	IS 3025 (Part 11) : 2022	7.64	6.5-8.5
5	Ph. Alkalinity as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	0	-
6	Total Alkalinity. as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	124	600
7	Total Hardness as CaCO ₃ mg/L	IS 3025 (Part 21) : 2023	140	600
8	Calcium as Ca mg/L	IS 3025 (Part 40) : 2024	40	200
9	Magnesium as Mg mg/L	IS 3025 (Part 46) : 2023	10	100
10	Sodium as Na mg/L	IS 3025 (Part 45) : 1993	70	-
11	Potassium as K mg/L	IS 3025 (Part 45) : 1993	4	-
12	Iron as Fe mg/L	IS 3025 (Part 53) : 2024	0.00	1.0
13	Manganese as Mn mg/L	IS 3025 (Part 59) : 2023	0	0.3
14	Free Ammonia as NH ₃ mg/L	IS 3025 (Part 34) : 2019	0.04	0.5
15	Nitrite as NO ₂ mg/L	IS 3025 (Part 34/Sec-1) : 2023	0.00	-
16	Nitrate as NO ₃ mg/L	IS 3025 (Part 34/Sec-1) : 2023	2	45
17	Chloride as Cl mg/L	IS 3025 (Part 32) : 1988	82	1000
18	Fluoride as F mg/L	IS 3025 (Part 60/Sec-1) : 2023	0.16	1.5
19	Sulphate as SO ₄ mg/L	IS 3025 (Part 24/Sec-1) : 2022	33	400
20	Phosphate as PO ₄ mg/L	IS 3025 (Part 31/Sec-1) : 2022	0.12	-
21	Residual Chlorine	IS 3025 (Part 26) : 1986 (RA 2003)	1.0	1.0

Report: The Water Sample is chemically potable.

Signature
16/12/24

CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5

**TAMILNADU WATER SUPPLY AND DRAINAGE BOARD**

76

STATE LEVEL WATER TESTING LABORATORY**31, Kamarajar Salai, Chepauk, Chennai - 600 005**Phone: **044 – 28412098** E-mail: **twadboardcwa2024@gmail.com****Test Report**

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Source:	Palar River - Tambaram Pallavaram CWSS		
Location:	Radha Nagar OHT Outlet Tap		
Date of Sample Received:	12.12.2024		
Date of Test Completed:	14.12.2024		
Test Report Date :	14.12.2024		
The test result of sample received is as follows.			
Sl. No.	BACTERIOLOGICAL EXAMINATION	Sample No. 6 Result	BIS 10500 - 2012
			Max limit
1	Total coliform CFU/100ml	0	Nil/100 ml
2	E.Coli CFU/100ml	0	Nil/100 ml
3	Fecal coliform CFU/100ml	0	Nil/100 ml

Report : The Water Sample is Bacteriologically safe

sm
16/12/24
CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 - 28412098 E-mail: twadboardcwa2024@gmail.com

ff

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Date:	12.12.2024			
Test Completed on :	14.12.2024			
Test Report Date :	14.12.2024			
Source :	Palar River - Tambaram Pallavaram CWSS			
Location :	Chittalepakkam Sump Inlet (1 Lakh)			
Appearance, Colour, Odour :	Clear / Colourless / Agreeable			
The test result of sample received is as follows.				
Sl. No.	I. PHYSICAL EXAMINATION	Method of Testing	Sample No.7	IS 10500 : 2012 Permissible limit in the absence of alternate source
1	Turbidity NT Units	IS 3025 (Part 10) : 2023	4.5	5
2	Total dissolved Solids mg/L	IS 3025 (Part 16) : 2023	566	2000
3	Electrical Conductivity Micro mho/cm	IS 3025 (Part 14) : 2013	809	-
II. CHEMICAL EXAMINATION				
4	pH at 25°C	IS 3025 (Part 11) : 2022	7.68	6.5-8.5
5	Ph. Alkalinity as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	0	-
6	Total Alkalinity. as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	188	600
7	Total Hardness as CaCO ₃ mg/L	IS 3025 (Part 21) : 2023	192	600
8	Calcium as Ca mg/L	IS 3025 (Part 40) : 2024	48	200
9	Magnesium as Mg mg/L	IS 3025 (Part 46) : 2023	18	100
10	Sodium as Na mg/L	IS 3025 (Part 45) : 1993	91	-
11	Potassium as K mg/L	IS 3025 (Part 45) : 1993	5	-
12	Iron as Fe mg/L	IS 3025 (Part 53) : 2024	0.00	1.0
13	Manganese as Mn mg/L	IS 3025 (Part 59) : 2023	0	0.3
14	Free Ammonia as NH ₃ mg/L	IS 3025 (Part 34) : 2019	0.00	0.5
15	Nitrite as NO ₂ mg/L	IS 3025 (Part 34/Sec-1) : 2023	0.00	-
16	Nitrate as NO ₃ mg/L	IS 3025 (Part 34/Sec-1) : 2023	1	45
17	Chloride as Cl mg/L	IS 3025 (Part 32) : 1988	126	1000
18	Fluoride as F mg/L	IS 3025 (Part 60/Sec-1) : 2023	0.16	1.5
19	Sulphate as SO ₄ mg/L	IS 3025 (Part 24/Sec-1) : 2022	22	400
20	Phosphate as PO ₄ mg/L	IS 3025 (Part 31/Sec-1) : 2022	0.42	-
21	Residual Chlorine	IS 3025 (Part 26) : 1986 (RA 2003)	0.1	1.0

Report: The Water Sample is chemically potable.

16/12/24

CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5

**TAMILNADU WATER SUPPLY AND DRAINAGE BOARD**

78

STATE LEVEL WATER TESTING LABORATORY**31, Kamarajar Salai, Chepauk, Chennai - 600 005**

Phone: 044 – 28412098 E-mail: twadboardcwa2024@gmail.com

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Source:	Palar River - Tambaram Pallavaram CWSS		
Location:	Chittalepakkam Sump Inlet (1 Lakh)		
Date of Sample Received:	12.12.2024		
Date of Test Completed:	14.12.2024		
Test Report Date :	14.12.2024		
The test result of sample received is as follows.			
Sl. No.	BACTERIOLOGICAL EXAMINATION	Sample No. 7 Result	BIS 10500 - 2012
			Max limit
1	Total coliform CFU/100ml	0	Nil/100 ml
2	E.Coli CFU/100ml	0	Nil/100 ml
3	Fecal coliform CFU/100ml	0	Nil/100 ml

Report : The Water Sample is Bacteriologically safe**CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5**



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

79

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 – 28412098 E-mail: twadboardcwa2024@gmail.com

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Date:	11.12.2024			
Test Completed on :	12.12.2024			
Test Report Date :	12.12.2024			
Source :	Palar River - Tambaram Pallavaram CWSS			
Location :	Chittalepakkam OHT (5 Lakh)			
Appearance, Colour, Odour :	Clear / Colourless / Chlorinous			
The test result of sample received is as follows.				
Sl. No.	I. PHYSICAL EXAMINATION	Method of Testing	Sample No.8	IS 10500 : 2012 Permissible limit in the absence of alternate source
1	Turbidity NT Units	IS 3025 (Part 10) : 2023	4.2	5
2	Total dissolved Solids mg/L	IS 3025 (Part 16) : 2023	575	2000
3	Electrical Conductivity Micro mho/cm	IS 3025 (Part 14) : 2013	822	-
II. CHEMICAL EXAMINATION				
4	pH at 25°C	IS 3025 (Part 11) : 2022	7.84	6.5-8.5
5	Ph. Alkalinity as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	0	-
6	Total Alkalinity. as CaCO ₃ mg/L	IS 3025 (Part 23) : 2023	184	600
7	Total Hardness as CaCO ₃ mg/L	IS 3025 (Part 21) : 2023	200	600
8	Calcium as Ca mg/L	IS 3025 (Part 40) : 2024	45	200
9	Magnesium as Mg mg/L	IS 3025 (Part 46) : 2023	21	100
10	Sodium as Na mg/L	IS 3025 (Part 45) : 1993	86	-
11	Potassium as K mg/L	IS 3025 (Part 45) : 1993	5	-
12	Iron as Fe mg/L	IS 3025 (Part 53) : 2024	0.00	1.0
13	Manganese as Mn mg/L	IS 3025 (Part 59) : 2023	0	0.3
14	Free Ammonia as NH ₃ mg/L	IS 3025 (Part 34) : 2019	0.00	0.5
15	Nitrite as NO ₂ mg/L	IS 3025 (Part 34/Sec-1) : 2023	0.00	-
16	Nitrate as NO ₃ mg/L	IS 3025 (Part 34/Sec-1) : 2023	2	45
17	Chloride as Cl mg/L	IS 3025 (Part 32) : 1988	126	1000
18	Fluoride as F mg/L	IS 3025 (Part 60/Sec-1) : 2023	0.08	1.5
19	Sulphate as SO ₄ mg/L	IS 3025 (Part 24/Sec-1) : 2022	22	400
20	Phosphate as PO ₄ mg/L	IS 3025 (Part 31/Sec-1) : 2022	0.42	-
21	Residual Chlorine	IS 3025 (Part 26) : 1986 (RA 2003)	2.5	1.0

Report: The Water Sample is chemically potable.

omw
16/12/24
CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 - 28412098 E-mail: twadboardcwa2024@gmail.com

Test Report

To

The Executive Engineer,
TWAD Board, RWS Division,
Chengalpattu.

Source:	Palar River - Tambaram Pallavaram CWSS		
Location:	Chittalepakkam OHT (5 Lakh)		
Date of Sample Received:	12.12.2024		
Date of Test Completed:	14.12.2024		
Test Report Date :	14.12.2024		
The test result of sample received is as follows.			
Sl. No.	BACTERIOLOGICAL EXAMINATION	Sample No. & Result	BIS 10500 - 2012
			Max limit
1	Total coliform CFU/100ml	0	Nil/100 ml
2	E.Coli CFU/100ml	0	Nil/100 ml
3	Fecal coliform CFU/100ml	0	Nil/100 ml

Report : The Water Sample is Bacteriologically safe

08m
16/12/24
CHIEF WATER ANALYST
TWAD BOARD, CHENNAI-5

**BEFORE THE HON'BLE
NATIONAL GREEN TRIBUNAL
SOUTHERN ZONE, CHENNAI**

O.A. No. 29 of 2025 (SZ)

IN THE MATTER OF:

IN MATTER OF Tribunal on its own motion Suo Moto the news item published in The uстан Times, Dated 06.12.2024. Under the caption "3 dead due to contaminated Drinking water near Chennai" and in The Times of India, dated 07.12.2024 Under The caption "Pathogens to watch out for Taps near sewage lines could be behind Chennai contamination deaths

...Suo Moto

-Vs.-

1. Tamil Nadu Pollution Control Board,
Through its Member Secretary, Tamil
Nadu Pollution Control Board & Ors

...Respondents

**REPORT FILED BY
THE 3RD RESPONDENT**

Y. KAVITHA
Counsel for the 3rd Respondent
Mob. 98415 86629