

TAMILNADU WATER SUPPLY AND DRAINAGE BORD

District level Water Testing Laboratory

TWAD Board, Near New Veeranam illam, GST Road, Thindivanam - 604 002

TEST REPORT E-mail: jwalabtdm@dataone.in JPh: 04147 - 227300

The Commissioner Office,

Kottikuppam Municipality,

Villupuram

From,

K. Ananthi M.Sc,

Junior Water Analyst (a/c),

District Water Testing Laboratory,

Tindivanam.

Lr.No. 649 / DWTL/TDM Date:18.05.2024

Sir,

Sub: Examination of water sample Report Furnished-Reg.

The Result of analysis for the water samples received vide ref cited is funished below.

Date of Receipt: Date of Testing:	14.05.2024 14.05.2024	Sample I D No. 649	Municipality in Villupuram Types of Source: Bore well Location: Kuyilappalayam – I
District	Villupuram		
IS 10500 : 2012 I.PHYSICAL EXAMINATION	Acceptable limit	Permissible limit in the absence of alternate source	Result
1. Appearance	-	-	clear
2. Odour	Agreeable	Agreeable	None
3. Turbidity NT Units	1	5	0
4. Total dissolved Solids mg/L	500	2000	392
5. Electrical Conductivity Micro mho/cm	-	-	560
II.CHEMICAL EXAMINATION:			
6. pH	6.5-8.5	6.5-8.5	7.46
7. Total Alkalinity. as CaCo _{3 mg/L}	200	600	324
8. Total Hardness as CaCo _{3 mg/L}	200	600	344
9. Calcium as Ca mg/L	75	200	76
10. Magnesium as Mg mg/L	30	100	65
11. Iron as Fe mg/L	0.3	0.3	0.0
12. Manganese mg/L	0.1	0.1	0.0
13. Free Ammonia as NH _{3 mg/L}	0.5	0.5	0.0
14. Nitrite as NO _{2 mg/L}	-		-
15. Nitrate as NO3 mg/L	45	45	27
	250	1000	172
16. Chloride as Cl mg/L	1.0	1.5	0.0
17. Fluoride as F mg/L	200	400	16
18. Sulphate as SO _{4 mg/L}	-		
19. Phosphate as PO _{4 mg/L}		+	0.0
20. Tidys Test 4 hrs.as O _{2 mg/L}	-	•	0.0
III.BACTERIOLOGICALEXAMINATION (M.F. Technique)			
Fecal Coliform (100 ml)	0	0	0

Report: The tested sample conformed to IS:10500:2012 (RA: 2019) drinking water specification with respect to above tested parameters.

Junior Water Analyst (3/c), District Water Testing Laboratory,



TAMILNADU WATER SUPPLY AND DRAINAGE BORD

District level Water Testing Laboratory

TWAD Board, Near New Veeranam illam, GST Road, Thindivanam - 604 002

TEST REPORT E-mail: jwalabtdm@dataone.in JPh: 04147 - 227300

from.

Sir,

K. Ananthi M.Sc,

Junior Water Analyst (a/c),

District Water Testing Laboratory,

Tindivanam.

ī

In

The Commissioner Office, Kottikuppam Municipality,

Villupuram

m. Lr.No. 650 / DWTL/TDM Date:18.05.2024

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Sub: Examination of water sample Report Furnished Reg.

The Result of analysis for the water samples received vide reficited is funished below.

Date of Receipt:	14.05.2024	Sample I D No. 650	Municipality in Villupuram Types of Source: Bore well Location: Kuyilappalayam : Il
Date of Testing:	14.05.2024		
District	Villupuram		
<u>IS 10500 : 2012</u>	Acceptable limit	Permissible limit in the absence of alternate	Result
I.PHYSICAL EXAMINATION		source	clear
1 Appearance		Agreeable	None
2. Odour	Agreeable	Agreeable	0
3. Turbidity NT Units	1	2000	247
4. Total dissolved Solids mg/L	500	2000	352
5. Electrical Conductivity Micro mho/cm	•		332
II.CHEMICAL EXAMINATION:	6.5.0.5	6 5 0 5	6.95
6. pH	6.5-8.5	6.5-8.5	
7. Total Alkalinity. as CaCo _{3 mg/L}	200	600	320
8. Total Hardness as CaCo _{3 mg/L}	200	600	240
9. Calcium as Ca mg/L	75	200	83
10. Magnesium as Mg mg/L	30	100	38
11. Iron as Fe mg/L	0.3	0.3	0.0
12. Manganese mg/L	0.1	0.1	0.0
13. Free Ammonia as NH _{3 mg/L}	0.5	0.5	0.0
And the second s	-		-
14. Nitrite as NO _{2 mg/L} 15. Nitrate as NO3 mg/L	45	45	32
	250	1000	180
16. Chloride as Cl mg/L	1.0	1.5	0.0
17. Fluoride as F mg/L	200	400	11
18. Sulphate as SO _{4 mg/L}			0.0
19. Phosphate as PO _{4 mg/L}			0.0
20. Tidys Test 4 hrs.as O _{2 mg/l}			
III.BACTERIOLOGICALEXAMINATION			
(M.F. Technique) Fecal Coliform (100 ml)	0	0	0

Report: The tested sample conformed to IS: 10500:2012 (RA: 2019) drinking water specification with respect to above tested parameters.



TAMILNADU WATER SUPPLY AND DRAINAGE BORD

District level Water Testing Laboratory

TWAD Board, Near New Veeranam illam, GST Road, Thindivanam - 604 002

TEST REPORT E-mail: jwalabtdm@dataone.in JPh: 04147 - 227300

From, K. Ananthi M.Sc, Junior Water Analyst (a/c), District Water Testing Laboratory, Tindivanam. To The Commissioner Office, Kottikuppam Municipality, Villupuram

Lr.No. 651 / DWTL/TDM Date:18.05.2024

Sir,

Sub: Examination of water sample Report Furnished-Reg.

The Result of analysis for the water samples received vide reficited is funished below.

Date of Receipt: Date of Testing:	14.05.2024 14.05.2024	Sample I D No. 651	Municipality in Villupuram Types of Source - Bore well Location: Kuyilappalayam -III
District	Villupuram		
IS 10500 : 2012 I.PHYSICAL EXAMINATION	Acceptable limit	Permissible limit in the absence of alternate source	Result
1. Appearance	-	The second secon	Clear
2. Odour	Agreeable	Agreeable	None
3. Turbidity NT Units	1	5	0
4. Total dissolved Solids mg/L	500	2000	132
5. Electrical Conductivity Micro mho/cm	-	•	189
II.CHEMICAL EXAMINATION:			
6. pH	6.5-8.5	6.5-8.5	6.95
7. Total Alkalinity. as CaCo _{3 mg/L}	200	600	352
8. Total Hardness as CaCo _{3 mg/L}	200	600	392
9. Calcium as Ca mg/L	75	200	57
10. Magnesium as Mg mg/L	30	100	81
11. Iron as Fe mg/L	0.3	0.3	0.0
12. Manganese mg/L	0.1	0.1	0.0
13. Free Ammonia as NH _{3 mg/L}	0.5	0.5	0.5
14. Nitrite as NO _{2 mg/L}	-	•	-
15. Nitrate as NO3 mg/L	45	45	14
16. Chloride as Cl mg/L	250	1000	192
17. Fluoride as F mg/L	1.0	1.5	0.0
18. Sulphate as SO _{4 mg/L}	200	400	10
19. Phosphate as PO _{4 mg/L}	-	-	0.0
20. Tidys Test 4 hrs.as Oz mg/L			0.0
III.BACTERIOLOGICALEXAMINATION (M.F. Technique)			
Fecal Coliform (100 ml)	0	0	0

Report: The tested sample conformed to IS:10500:2012 (RA: 2019) drinking water specification with respect to above tested parameters



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District level Water Testing Laboratory

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TEST REPORT E-mail: jwalabtdm/a dataone.in [Ph: 04147 - 227300]

From.

K. Ananthi M.Sc.

Junior Water Analyst (a/c),

District Water Testing Laboratory,

Tindivanam.

To

The Commissioner Office,

Kottikuppam Municipality,

Villupuram

Sir,

Lr.No. 652 / DWTL/TDM Date: 18.05.2024

Sub: Examination of water sample Report Furnished-Reg.

The Result of analysis for the water samples received vide reficited is funished below

Date of Receipt:	14.05.2024	Sample I D No. 652	Municipality in Villupuram Types of Source: Bore well Location: Meerambigai Garden-I
Date of Testing:	14.05.2024		
District	Villupuram		
<u>IS 10500 : 2012</u>	Acceptable limit	Permissible limit in the absence of alternate	Result
I.PHYSICAL EXAMINATION		source	
1 Appearance	-		clear
2. Odour	Agreeable	Agreeable	None
3. Turbidity NT Units	1	5	0
4. Total dissolved Solids mg/L	500	2000	264
5. Electrical Conductivity Micro mho/cm	-		378
II.CHEMICAL EXAMINATION:			
6. pH	6.5-8.5	6.5-8.5	7.08
7. Total Alkalinity. as CaCo _{3 mg/L}	200	600	384
8. Total Hardness as CaCo _{3 mg/L}	200	600	208
9. Calcium as Ca mg/L	75	200	73
10. Magnesium as Mg mg/L	30	100	32
11. Iron as Fe mg/L	0.3	0.3	0.0
12. Manganese mg/L	0.1	0.1	0.0
13. Free Ammonia as NH _{3 mg/L}	0.5	0.5	0.0
14. Nitrite as NO _{2 mg/L}	-		•
15. Nitrate as NO3 mg/L	45	45	15
16. Chloride as Cl mg/L	250	1000	196
17. Fluoride as F mg/L	1.0	1.5	0.0
18. Sulphate as SO _{4 mg/L}	200	400	11
19. Phosphate as PO _{4 mg/L}	•		0.0
20. Tidys Test 4 hrs.as Oz mg/L			0.0
II. BACTERIOLOGICALEXAMINATION M.F. Technique)			
Fecal Coliform (100 ml)	0	0	0

Report: The tested sample conformed to IS-10500:2012 (RA: 2019) drinking water specification with respect to above tested parameters.



TAMILNADU WATER SUPPLY AND DRAINAGE BORD

District level Water Testing Laboratory

TWAD Board. Near New Veeranam illam, GST Road, Thindivanam - 604 002

TEST REPORT E-mail: jwalabtdm@dataone.in [Ph: 04147 - 227300]

From,

K. Ananthi M Sc, Junior Water Analyst (a/c), District Water Testing Laboratory,

Tindivanam.

To

The Commissioner Office, Kottikuppam Municipality,

Villupuram

Sir,

Lr.No. 653 / DWTL/TDM Date:18.05.2024

Sub: Examination of water sample Report Furnished-Reg.

The Result of analysis for the water samples received vide ref cited is funished below

14.05.2024 Villupuram Acceptable limit	Permissible limit in the absence of	Types of Source: Bore well Location: Meerambigai Garden-II
Acceptable		
	alternate source	Result
		Clear
Agreeable	Agreeable	None
1	5	0
500	2000	268
•		383
6.5-8.5	6.5-8.5	6.90
200	600	264
200	600	376
75	200	60
30	100	76
0.3	0.3	0.0
0.1	0.1	0.0
0.5	0.5	0.0
-		-
45	45	15
250	1000	184
1.0	1.5	0.0
200	400	12
-	-	0.0
		0.0
		0.0
0	0	0
	1 500 - 6.5-8.5 200 200 75 30 0.3 0.1 0.5 - 45 250 1.0 200	Agreeable Agreeable 1

Report: The tested sample conformed to IS:10500-2012 (RA: 2019) drinking water specification with respect to above tested parameters

Junior Water Analyst (a/c),
District Water Testing Laboratory.



TAMILNADU WATER SUPPLY AND DRAINAGE BORD

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TEST REPORT E-mail: jwalabtdm@dataone.in [Ph: 04147 - 227300]

From,

K. Ananthi M.Sc, Junior Water Analyst (a/c),

District Water Testing Laboratory,

Tindivanam.

To

The Commissioner Office, Kottikuppam Municipality,

Villupuram

Sir,

Lr.No. 654 / DWTL/TDM Date:18.05.2024

Sub: Examination of water sample Report Furnished-Reg.

The Result of analysis for the water samples received vide ref cited is funished below.

Date of Receipt:	14.05.2024	Complete D.No. CEA	Municipality in Villupuram Types of Source: Bore well Location: MGR Nagar
Date of Testing:	14.05.2024	Sample I D No. 654	EUCATION. WICK HOSS
District	Villupuram		
IS 10500 : 2012	Acceptable limit	Permissible limit in the absence of alternate	Result
1. Appearance		source	clear
2. Odour	Agreeable	Agreeable	None
3. Turbidity NT Units	1	5	0
	500	2000	312
4. Total dissolved Solids mg/L	300	2000	446
5. Electrical Conductivity Micro mho/cm II.CHEMICAL EXAMINATION:	-		440
	6.5-8.5	6.5-8.5	6.86
6. pH	200	600	232
7. Total Alkalinity. as CaCo _{3 mg/L}	200	600	368
8. Total Hardness as CaCo _{3 mg/L}	75	200	76
9. Calcium as Ca mg/L	30	100	70
10. Magnesium as Mg mg/L	0.3	0.3	
11. Iron as Fe mg/L			0.0
12. Manganese mg/L	0.1	0.1	0.0
13. Free Ammonia as NH _{3 mg/L}	0.5	0.5	0.0
14. Nitrite as NO _{2 mg/L}	•	•	•
15. Nitrate as NO3 mg/L	45	45	13
16. Chloride as Cl mg/L	250	1000	208
17. Fluoride as F mg/L	1.0	1.5	0.0
18. Sulphate as SO _{4 mg/L}	200	400	19
19. Phosphate as PO _{4 mg/L}	-		0.0
20. Tidys Test 4 hrs.as O _{2 mg/L}	-		0.0
III.BACTERIOLOGICALEXAMINATION (M.F. Technique)			
Fecal Coliform (100 ml)	0	0	0

Report: The tested sample conformed to IS:10500:2012 (RA: 2019) drinking water specification with respect to above tested parameters.



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TEST REPORT E-mail: jwalabtdm@dataone.in |Ph: 04147 - 227300

The Commissioner Office,

Kottikuppam Municipality,

Villupuram

From,

K. Ananthi M.Sc,

Junior Water Analyst (a/c),

District Water Testing Laboratory,

Tindivanam.

Lr.No. 655 / DWTL/TDM Date:18.05.2024

Sir,

Sub: Examination of water sample Report Furnished-Reg.

The Result of analysis for the water samples received vide reficited is funished below.

Date of Receipt:	14.05.2024	Sample I D No. 655	Municipality in Villupuram Types of Source: Bore well Location: Urakidangu
Date of Testing:	14.05.2024	Sample 10 No. 033	
District	Villupuram		
<u>IS 10500 : 2012</u>	Acceptable limit	Permissible limit in the absence of alternate	Result
I.PHYSICAL EXAMINATION		source	
1. Appearance	-	,	clear
2. Odour	Agreeable	Agreeable	None
3. Turbidity NT Units	1	5	0
4. Total dissolved Solids mg/L	500	2000	384
5. Electrical Conductivity Micro mho/cm	•	•	550
II.CHEMICAL EXAMINATION:			
6. pH	6.5-8.5	6.5-8.5	6.90
7. Total Alkalinity. as CaCo _{3 mg/L}	200	600	320
8. Total Hardness as CaCo _{3 mg/L}	200	600	352
9. Calcium as Ca mg/L	75	200	99
10. Magnesium as Mg mg/L	30	100	61
11. Iron as Fe mg/L	0.3	0.3	0.0
12. Manganese mg/L	0.1	0.1	0.0
13. Free Ammonia as NH _{3 mg/L}	0.5	0.5	-
14. Nitrite as NO _{2 mg/L}	-	-	-
15. Nitrate as NO3 mg/L	45	45	14
16. Chloride as Cl mg/L	250	1000	204
17. Fluoride as F mg/L	1.0	1.5	0.0
18. Sulphate as SO _{4 mg/L}	200	400	10
19. Phosphate as PO _{4 mg/L}			0.0
20. Tidys Test 4 hrs.as Oz mg/L	-		0.0
III. BACTERIOLOGICALEXAMINATION			
(M.F. Technique)			
Fecal Coliform (100 ml)	0	0	0

Report: The tested sample conformed to IS:10500:2012 (RA: 2019) drinking water specification with respect to above tested parameters.



TAMILNADU WATER SUPPLY AND DRAINAGE BORD

District level Water Testing Laboratory

TWAD Board, Near New Veeranam illam, GST Road, Thindivanam - 604 002

TEST REPORT E-mail: jwalabtdm/a/dataone.in/Ph: 04147 - 227300

From.

K. Ananthi M.Sc.

Junior Water Analyst (a/c),

District Water Testing Laboratory.

Tindivanam.

To

The Commissioner Office,

Kottikuppam Municipality,

Villupuram

Sir,

Lr.No. 656 / DWTL/TDM Date: 18.05.2024

Sub: Examination of water sample Report Furnished Reg

The Result of analysis for the water samples received vide reficited is funished below.

Date of Receipt:	14.05.2024		Municipality in Villupuram Types of Source Bore well
Date of Testing:	14.05.2024	Sample I D No. 656	Location: Kottaimedu Oodai 1
District	Villupuram		and the state of t
IS 10500 : 2012 I.PHYSICAL EXAMINATION	Acceptable limit	Permissible limit in the absence of alternate source	Result
1. Appearance		- Annual Control of the Control of t	clear
2. Odour	Agreeable	Agreeable	None
3. Turbidity NT Units	1	5	0
4. Total dissolved Solids mg/L	500	2000	319
5. Electrical Conductivity Micro mho/cm	-	Secret Processing and Processing Secretary Co. S. Co. Secretary Co. Secretary Co. Sec.	456
II.CHEMICAL EXAMINATION:			
6. pH	6.5-8.5	6.5-8.5	6.84
7. Total Alkalinity. as CaCo _{3 mg/L}	200	600	256
8. Total Hardness as CaCo _{3 mg/L}	200	600	312
9. Calcium as Ca mg/L	75	200	73
10. Magnesium as Mg mg/L	30	100	58
11. Iron as Fe mg/L	0.3	0.3	0.0
12. Manganese mg/L	0.1	0.1	0.0
13. Free Ammonia as NH _{3 mg/L}	0.5	0.5	0.0
14. Nitrite as NO _{2 mg/L}	•		•
15. Nitrate as NO3 mg/L	45	45	15
16. Chloride as CI mg/L	250	1000	75
17. Fluoride as F mg/L	1.0	1.5	0.0
18. Sulphate as SO _{4 mg/t}	200	400	12
19. Phosphate as PO _{4 mg/L}			0.0
20. Tidys Test 4 hrs.as O _{2 mg/l}	-	The state of the s	0.0
III.BACTERIOLOGICALEXAMINATION (M.F. Technique)		and the commence of the commen	
Fecal Coliform (100 ml)	0	0	0

Report: The tested sample conformed to IS:10500:2012 (RA: 2019) drinking water specification with respect to above tested parameters.



TAMILNADU WATER SUPPLY AND DRAINAGE BORD

District level Water Testing Laboratory

TWAD Board, Near New Veeranam illam, GST Road, Thindivanam - 604 002

TEST REPORT E-mail: jwalabtdm@dataonc.in [Ph: 04147 - 227300

From.

K. Ananthi M.Sc.

Junior Water Analyst (a/c),

District Water Testing Laboratory,

Tindivanam.

10

The Commissioner Office,

Kottikuppam Municipality,

Villupuram

Sir.

Lr.No. 657 / DWTL/TDM Date:18.05.2024

Sub: Examination of water sample Report Furnished-Reg.

The Result of analysis for the water samples received vide reficited is funished below

Date of Receipt:	14.05.2024	Sample I D No. (67)	Municipality in Villupuram Types of Source Bore well Location: Kottaimedu Oodai II
Date of Testing:	14.05.2024	Sample I D No. 657	LOCATION KOTTAINIEUG GOGGE II
<u>District</u>	Villupuram	The Committee of the Co	
<u>IS 10500 : 2012</u>	Acceptable limit	Permissible limit in the absence of alternate	Result
I.PHYSICAL EXAMINATION		source	
1. Appearance	•		clear
2. Odour	Agreeable	Agreeable	None
3. Turbidity NT Units	1	5	0
Total dissolved Solids mg/L	500	2000	123
5. Electrical Conductivity Micro mho/cm	-	•	176
II.CHEMICAL EXAMINATION:			
6. pH	6.5-8.5	6.5-8.5	6.20
7. Total Alkalinity. as CaCo _{3 mg/L}	200	600	216
8. Total Hardness as CaCo _{3 mg/L}	200	600	240
9. Calcium as Ca mg/L	75	200	108
10. Magnesium as Mg mg/L	30	100	32
11. Iron as Fe mg/L	0.3	0.3	0.0
12. Manganese mg/L	0.1	0.1	0.0
13. Free Ammonia as NH _{3 mg/L}	0.5	0.5	0.0
14. Nitrite as NO _{2 mg/t}	-		•
15. Nitrate as NO3 mg/L	45	45	09
16. Chloride as Cl mg/L	250	1000	104
17. Fluoride as F mg/L	1.0	1.5	0.0
18. Sulphate as SO _{4 mg/L}	200	400	10
19. Phosphate as PO _{4 mg/L}	-	•	0.0
20. Tidys Test 4 hrs.as Oz mg/L	•		0.0
III.BACTERIOLOGICALEXAMINATION (M.F. Technique)			
Fecal Coliform (100 ml)	0	0	0

Report. The tested sample conformed to IS:10500:2012 (RA: 2019) drinking water specification with respect to above tested parameters.



TAMILNADU WATER SUPPLY AND DRAINAGE BORD

District level Water Testing Laboratory

TWAD Board, Near New Veeranam illam, GST Road, Thindivanam - 604 002

TEST REPORT E-mail: jwalabtdm@dataone.in JPh + 04147 - 227300

To

Villupuram

The Commissioner Office,

Kottikuppam Municipality,

From.

K. Ananthi M.Sc,

Junior Water Analyst (a/c),

District Water Testing Laboratory,

Tindivanam.

Lr.No. 658 / DWTL/TDM Date:18.05.2024

Sır,

Sub: Examination of water sample Report Furnished-Reg.

The Result of analysis for the water samples received vide reficited is funished below

Date of Receipt: Date of Testing:	14.05.2024 14.05.2024	Sample I D No. 658	Municipality in Villupuram Types of Source: Bore well Location: Kottaimedu Sudukadu (Jamiyath Nagar)
District	Villupuram		
IS 10500 : 2012 I.PHYSICAL EXAMINATION	Acceptable limit	Permissible limit in the absence of alternate source	Result
1. Appearance			clear
2. Odour	Agreeable	Agreeable	None
3. Turbidity NT Units	1	5	0
4. Total dissolved Solids mg/L	500	2000	729
5. Electrical Conductivity Micro mho/cm	-		1042
II.CHEMICAL EXAMINATION:			
6. pH	6.5-8.5	6.5-8.5	6.52
7. Total Alkalinity. as CaCo _{3 mg/L}	200	600	216
8. Total Hardness as CaCo _{3 mg/L}	200	600	256
9. Calcium as Ca mg/L	75	200	57
10. Magnesium as Mg mg/L	30	100	48
11. Iron as Fe mg/L	0.3	0.3	0.0
12. Manganese mg/L	0.1	0.1	0.0
13. Free Ammonia as NH _{3 mg/L}	0.5	0.5	0.0
14. Nitrite as NO _{2 mg/L}	-		•
15. Nitrate as NO3 mg/L	45	45	01
16. Chloride as CI mg/L	250	1000	164
17. Fluoride as F mg/L	1.0	1.5	0.0
18. Sulphate as SO _{4 mg/t}	200	400	17
19 Phosphate as PO _{4 mg/l}	-	•	0.0
20. Tidys Test 4 hrs. as Oz mg/L		•	00
III. BACTERIOLOGICALEXAMINATION			
(M.F. Technique)			
Fecal Coliform (100 ml)	0	0	0

Report. The tested sample conformed to IS:10500:2012 (RA: 2019) drinking water specification with respect to above tested parameters.

District Water Testing Laboratory.



TAMILNADU WATER SUPPLY AND DRAINAGE BORD

District level Water Testing Laboratory

TWAD Board, Near New Veeranam illam, GST Road, Thindivanam - 604 002

TEST REPORT E-mail: jwalabtdm@dataone.in JPh: 04147 - 227300

The Commissioner Office.

Kottikuppam Municipality,

Villupuram

From,

K. Ananthi M.Sc,

Junior Water Analyst (a/c),

District Water Testing Laboratory,

Tindivanam.

Lr.No. 659 / DWTL/TDM Date:18.05.2024

Sir.

Sub: Examination of water sample Report Furnished-Reg.

The Result of analysis for the water samples received vide reficited is funished below

The Result of analysis for the water samp	nes received vide	ref cited is funished below	
Date of Receipt:	14.05.2024	S-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	Municipality in Villupuram Types of Source Bore well Location: Chinna Kottakuppam Irula
Date of Testing:	14.05.2024	Sample I D No. 659	Colony -I
District	Villupuram		
IS 10500 : 2012	Acceptable limit	Permissible limit in the absence of alternate	Result
1. Appearance		source	
2. Odour	-		clear
	Agreeable	Agreeable	None
3. Turbidity NT Units	1	5	0
4. Total dissolved Solids mg/L	500	2000	190
5. Electrical Conductivity Micro mho/cm		~	272
II.CHEMICAL EXAMINATION:			
6. pH	6.5-8.5	6.5-8.5	6.68
7. Total Alkalinity. as CaCo _{3 mg/L}	200	600	304
B. Total Hardness as CaCo _{3 mg/L}	200	600	224
9. Calcium as Ca mg/L	75	200	83
10. Magnesium as Mg mg/L	30	100	34
11. Iron as Fe mg/L	0.3	0.3	0.0
12. Manganese mg/L	0.1	0.1	0.0
13. Free Ammonia as NH _{3 mg/L}	0.5	0.5	0.0
14. Nitrite as NO _{2 mg/L}	•	•	-
15. Nitrate as NO3 mg/L	45	45	10
16. Chloride as Cl mg/L	250	1000	75
17. Fluoride as F mg/L	1.0	1.5	0.0
18. Sulphate as 50 _{4 mg/L}	200	400	10
19. Phosphate as PO _{4 mg/L}	•	•	0.0
20. Tidys Test 4 hrs.as Oz me/L	-	•	0.0
III.BACTERIOLOGICALEXAMINATION			
(M.F. Technique)			
Fecal Coliform (100 ml)	0	0	0

Report. The tested sample conformed to IS:10500:2012 (RA: 2019) drinking water specification with respect to above tested parameters.



TAMILNADU WATER SUPPLY AND DRAINAGE BORD

District level Water Testing Laboratory

TWAD Board, Near New Veeranam illam, GST Road, Thindivanam - 604 002

TEST REPORT E-mail: jwalabtdm@dataone.in [Ph: 04147 - 227300

From,

K. Ananthi M.Sc,

Junior Water Analyst (a/c),

District Water Testing Laboratory,

Tindivanam.

Lr.No. 660 / DWTL/TDM Date:18.05.2024

Sir,

Sub: Examination of water sample Report Furnished-Reg.

The Result of analysis for the water samples received vide reficited is funished below.

The Commissioner Office, Kottikuppam Municipality, Villupuram

Date of Receipt:	14.05.2024	Sample I D No. 660	Municipality in Villupuram Types of Source: Bore well Location: Chinna Kottakuppam Irular
Date of Testing:	14.05.2024	Sample 10 No. 000	Colony -II
District	Villupuram		
IS 10500 : 2012	Acceptable limit	Permissible limit in the absence of alternate source	Result
1. Appearance		3001.00	Clear
2. Odour	Agreeable	Agreeable	None
3. Turbidity NT Units	1	5	0
4. Total dissolved Solids mg/L	500	2000	187
5. Electrical Conductivity Micro mho/cm	-	-	268
II.CHEMICAL EXAMINATION:			
6. pH	6.5-8.5	6.5-8.5	6.62
7. Total Alkalinity. as CaCo _{3 mg/L}	200	600	352
8. Total Hardness as CaCo _{3 mg/L}	200	600	240
9. Calcium as Ca mg/L	75	200	73
10. Magnesium as Mg mg/L	30	100	40
11. Iron as Fe mg/L	0.3	0.3	0.0
12. Manganese mg/L	0.1	0.1	0.0
13. Free Ammonia as NH _{3 mg/L}	0.5	0.5	-
14. Nitrite as NO _{2 mg/L}	-		•
15. Nitrate as NO3 mg/L	45	45	10
16. Chloride as Cl mg/L	250	1000	95
17. Fluoride as F mg/L	1.0	1.5	0.0
18. Sulphate as SO _{4 mg/L}	200	400	11
19. Phosphate as PO _{4 mg/L}	•		0.0
20. Tidys Test 4 hrs.as O _{2 mg/L}	-	-	0.0
III.BACTERIOLOGICALEXAMINATION (M.F. Technique)			
Fecal Coliform (100 ml)	0	0	0

Report: The tested sample conformed to IS:10500:2012 (RA: 2019) drinking water specification with respect to above tested parameters.

District Water Testing Laboratory,



TAMILNADU WATER SUPPLY AND DRAINAGE BORD

District level Water Testing Laboratory

TWAD Board, Near New Veeranam illam, GST Road, Thindivanam - 604 002

TEST REPORT E-mail: jwalabtdm@dataone.in JPh: 04147 - 227300

From,

K. Ananthi M.Sc,

Junior Water Analyst (a/c),

District Water Testing Laboratory,

Tindivanam.

10

The Commissioner Office,

Kottikuppam Municipality,

Villupuram

Sir,

Lr.No. 661 / DWTL/TDM Date: 18.05.2024

Sub: Examination of water sample Report Furnished-Reg.

The Result of analysis for the water samples received vide reficited is funished below

Date of Receipt:	14.05.2024	Sample I D No. 661	Municipality in Villupuram Types of Source—Bore well Location: Chinna Kottakuppam Irular
Date of Testing:	14.05.2024		Colony III
District	Villupuram		
IS 10500 : 2012	Acceptable limit	Permissible limit in the absence of alternate source	Result
1. Appearance		30uice	Clear
2. Odour	Agreeable	Agreeable	None
3. Turbidity NT Units	1	5	0
4. Total dissolved Solids mg/L	500	2000	184
5. Electrical Conductivity Micro mho/cm			264
II.CHEMICAL EXAMINATION:			
6. pH	6.5-8.5	6.5-8.5	6.80
7. Total Alkalinity. as CaCo _{3 mg/L}	200	600	256
8. Total Hardness as CaCo _{3 mg/L}	200	600	232
9. Calcium as Ca mg/L	75	200	76
10. Magnesium as Mg mg/L	30	100	37
11. Iron as Fe mg/L	0.3	0.3	0.0
	0.1	0.1	0.0
12. Manganese mg/L	0.5	0.5	0.0
13. Free Ammonia as NH _{3 mg/L}	-	-	-
14. Nitrite as NO _{2 mg/L} 15. Nitrate as NO3 mg/L	45	45	10
	250	1000	104
16. Chloride as Cl mg/L	1.0	1.5	0.0
17. Fluoride as F mg/L	200	400	10
18. Sulphate as SO _{4 mg/L}			0.0
19. Phosphate as PO _{4 mg/L}			0.0
20. Tidys Test 4 hrs.as O _{2 mg/L} III.BACTERIOLOGICALEXAMINATION			
(M.F. Technique) Fecal Coliform (100 ml)	0	0	0

Report: The tested sample conformed to IS:10500:2012 (RA: 2019) drinking water specification with respect to above tested parameters



TAMILNADU WATER SUPPLY AND DRAINAGE BORD

District level Water Testing Laboratory

TWAD Board, Near New Veeranam illam, GST Road, Thindivanam - 604 002

TEST REPORT E-mail: jwalabtdm@dataone.in JPh: 04147 - 227300

From,

K. Ananthi M.Sc,

Junior Water Analyst (a/c),

District Water Testing Laboratory,

Tindivanam.

To

The Commissioner Office, Kottikuppam Municipality,

Villupuram

Lr.No. 662 / DWTL/TDM Date: 18.05.2024

Sir,

Sub: Examination of water sample Report Furnished-Reg.

The Result of analysis for the water samples received vide ref cited is funished below.

Date of Receipt: Date of Testing:	14.05.2024 14.05.2024	Sample I D No. 662	Municipality in Villupuram Types of Source: Bore well Location: Chinna Kottakuppam Malaimedu
District	Villupuram		
<u>IS 10500 : 2012</u>	Acceptable limit	Permissible limit in the absence of alternate source	Result
I.PHYSICAL EXAMINATION			clear
1. Appearance	Agreeable	Agreeable	None
2. Odour	1	5	0
3. Turbidity NT Units	500	2000	151
4. Total dissolved Solids mg/L	300		216
5. Electrical Conductivity Micro mho/cm			
II.CHEMICAL EXAMINATION:	6.5-8.5	6.5-8.5	6.29
6. pH	200	600	208
7. Total Alkalinity. as CaCo _{3 mg/L}		600	216
8. Total Hardness as CaCo _{3 mg/L}	200	200	89
9. Calcium as Ca mg/L	75		30
10. Magnesium as Mg mg/L	30	100	
11. Iron as Fe mg/L	0.3	0.3	0.0
12. Manganese mg/L	0.1	0.1	0.0
13. Free Ammonia as NH _{3 mg/L}	0.5	0.5	0.0
	-		•
14. Nitrite as NO _{2 mg/L} 15. Nitrate as NO3 mg/L	45	45	23
	250	1000	168
16. Chloride as Cl mg/L	1.0	1.5	0.0
17. Fluoride as F mg/L	200	400	17
18. Sulphate as SO _{4 mg/L}		-	0.0
19. Phosphate as PO _{4 mg/L}	-		0.0
20. Tidys Test 4 hrs.as O _{2 mg/L}	•		
III.BACTERIOLOGICALEXAMINATION			
(M.F. Technique)	0	0	0
Fecal Coliform (100 ml)	U		ecification with respect to above tested

Report: The tested sample conformed to IS:10500:2012 (RA: 2019) drinking water specif parameters.

District Water Testing Laboratory,



TAMILNADU WATER SUPPLY AND DRAINAGE BORD

District level Water Testing Laboratory

TWAD Board, Near New Veeranam illam, GST Road, Thindivanam - 604 002

TEST REPORT E-mail: jwalabtdm/a dataone.in JPh: 04147 - 227300

From, K. Ananthi M.Sc, Junior Water Analyst (a/c),

Junior Water Analyst (a/c),
District Water Testing Laboratory,

Tindivanam.

To
The Commissioner Office,
Kottikuppam Municipality,
Villupuram

Lr.No. 663 / DWTL/TDM Date:18.05.2024

Sir,

Sub: Examination of water sample Report Furnished-Reg.

The Result of analysis for the water samples received vide ref cited is funished below.

Date of Receipt: Date of Testing:	14.05.2024 14.05.2024	Sample I D No. 663	Municipality in Villupuram Types of Source: Bore well Location: Chinna Kottakuppam Samayapuram
District	Villupuram		
IS 10500 : 2012 I.PHYSICAL EXAMINATION	Acceptable limit	Permissible limit in the absence of alternate source	Result
1. Appearance			Clear
2. Odour	Agreeable	Agreeable	None
3. Turbidity NT Units	1	5	0
4. Total dissolved Solids mg/L	500	2000	81
5. Electrical Conductivity Micro mho/cm		•	117
II.CHEMICAL EXAMINATION:			
6. pH	6.5-8.5	6.5-8.5	6.65
7. Total Alkalinity. as CaCo _{3 mg/L}	200	600	256
8. Total Hardness as CaCo _{3 mg/L}	200	600	240
9. Calcium as Ca mg/L	75	200	76
10. Magnesium as Mg mg/L	30	100	39
11. Iron as Fe mg/L	0.3	0.3	0.0
12. Manganese mg/L	0.1	0.1	0.0
13. Free Ammonia as NH _{3 mg/L}	0.5	0.5	0.0
14. Nitrite as NO _{2 mg/L}	-	-	•
15. Nitrate as NO3 mg/L	45	45	07
16. Chloride as Cl mg/L	250	1000	67
17. Fluoride as F mg/L	1.0	1.5	0.0
18. Sulphate as SO _{4 mg/L}	200	400	11
19. Phosphate as PO _{4 mg/t}	-	•	0.0
20. Tidys Test 4 hrs.as O _{2 mg/L}		•	0.0
III.BACTERIOLOGICALEXAMINATION (M.F. Technique)			
Fecal Coliform (100 ml)	0	0	0

Report: The tested sample conformed to IS:10500:2012 (RA: 2019) drinking water specification with respect to above tested parameters.

District Water Testing Laboratory, Tindivanam



TAMILNADU WATER SUPPLY AND DRAINAGE BORD

District level Water Testing Laboratory

TWAD Board, Near New Veeranam illam, GST Road, Thindivanam - 604 002

TEST REPORT E-mail: jwalabtdm@dataone.in JPh: 04147 - 227300

From,

K. Ananthi M.Sc,

Junior Water Analyst (a/c),

District Water Testing Laboratory,

Tindivanam.

To

The Commissioner Office,

Kottikuppam Municipality,

Villupuram

Sir,

Lr.No. 664 / DWTL/TDM Date: 18.05.2024

Sub: Examination of water sample Report Furnished-Reg.

The Result of analysis for the water samples received vide reficited is funished below.

Date of Receipt:	14.05.2024	Sample I D No. 664	Municipality in Villupuram Types of Source Bore well Location: Chinna Kottakuppam
Date of Testing:	14.05.2024	Sample 15 No. 33	Thoppu Theru – I
District	Villupuram		
IS 10500 : 2012	Acceptable limit	Permissible limit in the absence of alternate	Result
1 Appearance		source	clear
2. Odour	Agreeable	Agreeable	None
3. Turbidity NT Units	1	5	0
4. Total dissolved Solids mg/L	500	2000	686
5. Electrical Conductivity Micro mho/cm		-	980
II.CHEMICAL EXAMINATION:			
6. pH	6.5-8.5	6.5-8.5	6.93
7. Total Alkalinity. as CaCo _{3 mg/L}	200	600	280
8. Total Hardness as CaCo _{3 mg/L}	200	600	344
9. Calcium as Ca mg/L	75	200	105
10. Magnesium as Mg mg/L	30	100	58
11. Iron as Fe mg/L	0.3	0.3	0.0
12. Manganese mg/L	0.1	0.1	0.0
13. Free Ammonia as NH _{3 mg/L}	0.5	0.5	0.0
14. Nitrite as NO _{2 mg/L}			•
15. Nitrate as NO3 mg/L	45	45	18
16. Chloride as Cl mg/L	250	1000	168
17. Fluoride as F mg/L	1.0	1.5	0.0
18. Sulphate as SO _{4 mg/L}	200	400	26
19. Phosphate as PO _{4 mg/L}			0.0
20. Tidys Test 4 hrs.as Ozme/L	·	-	0.0
III.BACTERIOLOGICALEXAMINATION			
(M.F. Technique)			
Fecal Coliform (100 ml)	0	0	0

Report: The tested sample conformed to IS:10500:2012 (RA: 2019) drinking water specification with respect to above tested parameters.

District Water Testing Laboratory,
Tindivanam



TAMILNADU WATER SUPPLY AND DRAINAGE BORD

District level Water Testing Laboratory

TWAD Board, Near New Veeranam illam, GST Road, Thindivanam - 604 002

TEST REPORT E-mail: jwafabtdm@dataone.in[Ph: 04147 - 227300

From,

K. Ananthi M.Sc.

Junior Water Analyst (a/c),

District Water Testing Laboratory,

Tindivanam.

To

The Commissioner Office, Kottikuppam Municipality,

Villupuram

Lr.No. 666 / DWTL/TDM Date:18.05.2024

Sir.

Sub: Examination of water sample Report Furnished-Reg.

The Result of analysis for the water samples received vide reficited is funished below.

Date of Receipt:	14.05.2024		Municipality in Villupuram Types of Source: Bore well
Date of Testing:	14.05.2024	Sample I D No. 666	Location: Chinna Kottakuppam Thoppu Theru – II
District	Villupuram		
IS 10500 : 2012	Acceptable limit	Permissible limit in the absence of alternate	Result
1. Appearance		source	clear
2. Odour	Agreeable	Agreeable	None
3. Turbidity NT Units	1	S S	0
4. Total dissolved Solids mg/L	500	2000	677
5. Electrical Conductivity Micro mho/cm			968
ILCHEMICAL EXAMINATION:			
6. pH	6.5-8.5	6.5-8.5	7.00
7. Total Alkalinity. as CaCo _{3 mg/L}	200	600	280
8. Total Hardness as CaCo _{3 mg/L}	200	600	296
9. Calcium as Ca mg/L	75	200	99
10. Magnesium as Mg mg/L	30	100	47
11. Iron as Fe mg/L	0.3	0.3	0.0
12. Manganese mg/L	0.1	0.1	0.0
13. Free Ammonia as NH _{3 mg/L}	0.5	0.5	0.0
14. Nitrite as NO _{2 mg/L}	٠	-	
15. Nitrate as NO3 mg/L	45	45	23
16. Chloride as Cl mg/L	250	1000	172
17. Fluoride as F mg/L	1.0	1.5	0.0
18. Sulphate as SO _{4 mg/L}	200	400	22
19. Phosphate as PO _{4 mg/t}	•		0.0
20. Tidys Yest 4 hrs.as Oz mg/L	-		0.0
III.BACTERIOLOGICALEXAMINATION (M.F. Technique)			
Fecal Coliform (100 ml)	0	0	0

Report: The tested sample conformed to IS:10500:2012 (RA: 2019) drinking water specification with respect to above tested parameters