

DISTRICT WATER TESTING LABORATORY

TWAD Board, Near New Veeranam Illam, GST road Tindivanam – 604 002

Phone: 04147 - 227300

E-mail: vpmdstlab975@gmail.com

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

To
The Commissioner Office,
Kottikuppam Municipality,
Villupuram

Lr.No. 686 / DWTL/TDM Date:24.07.2024

Sir,

Sub: Examination of water sample Report Furnished-Reg.

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

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Date of Receipt:	15.07.2024	Sample I D No. 686	Municipality in Villupuram Types of Source: Bore well Location: Kuyilappalayam – I
Date of Testing:	15.07.2024		
District	Villupuram		
IS 10500 : 2012	Acceptable limit	Permissible limit in the absence of alternate source	Result
I.PHYSICAL EXAMINATION			clear
1. Appearance	A ====================================	- A	
2. Odour	Agreeable	Agreeable	None
3. Turbidity NT Units	1	5	0
4. Total dissolved Solids mg/L	500 .	2000	306
5. Electrical Conductivity Micro mho/cm	-	· -	438
II.CHEMICAL EXAMINATION:	1 1		
6. pH	6.5-8.5	6.5-8.5	6.72
7. Total Alkalinity. as CaCo _{3 mg/L}	200	600	164
8. Total Hardness as CaCo _{3 mg/L}	200	600	204
9. Calcium as Ca mg/L	75	200	0.0
10. Magnesium as μs/cm	30	100	0.0
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	22
16. Chloride as Cl mg/L	250	1000	90
17. Fluoride as F mg/L	1.0	1.5	0.0
18. Sulphate as SO _{4 mg/L}	200	400	214
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)			
ecal Coliform (100 ml)	0	0	0

Remark: The tested sample conformed to IS: 10500:2012 (RA: 2019) Drinking water specification with respect to above tested parameters. The Decision rule is not applicable.



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Lr.No. 687 / DWTL/TDM Date:24.07.2024

Sir,

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

Date of Receipt:	15.07.2024	Sample I D No. 687	Municipality in Villupuram Types of Source: Bore well Location: Kuyilappalayam – II
Date of Testing:	15.07.2024		
District	Villupuram		
<u>IS 10500 : 2012</u>	Acceptable limit	Permissible limit in the absence of alternate source	Result
I.PHYSICAL EXAMINATION			door
1. Appearance	- 	-	clear
2. Odour	Agreeable	Agreeable	None
3. Turbidity NT Units	1	5	0
4. Total dissolved Solids mg/L	500	2000	211
5. Electrical Conductivity Micro mho/cm	-	-	302
II.CHEMICAL EXAMINATION:			
6. pH	6.5-8.5	6.5-8.5	6.58
7. Total Alkalinity. as CaCo _{3 mg/L}	200	600	94
8. Total Hardness as CaCo _{3 mg/L}	200	600	126
9. Calcium as Ca mg/L	75	200	0.0
10. Magnesium as μs/cm	30	100	0.0
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}	-	<u>-</u>	-
15. Nitrate as NO3 mg/L	45	45	26
.6. Chloride as Cl mg/L	250	1000	58
7. Fluoride as F mg/L	1.0	1.5	0.0
B. Sulphate as SO _{4 mg/L}	200	400	144
9. Phosphate as PO _{4 mg/L}	-	-	0.0
). Tidys Test 4 hrs.as O _{2 mg/L}	-	-	0.0
BACTERIOLOGICALEXAMINATION			
1.F. Technique)			
cal Coliform (100 ml)	0	0	0

Remark: The tested sample conformed to IS: 10500:2012 (RA: 2019) Drinking water specification with respect to above tested parameters. The Decision rule is not applicable.



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Lr.No. 688 / DWTL/TDM Date:24.07.2024

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

Date of Receipt:	15.07.2024	Sample I D No. 688	Municipality in Villupuram Types of Source: Bore well Location: Kuyilappalayam – III
Date of Testing:	15.07.2024	- Seagar a - Phys Ar	
<u>District</u>	Villupuram		
<u>IS 10500 : 2012</u> I.PHYSICAL EXAMINATION	Acceptable limit	Permissible limit in the absence of alternate source	Result
Appearance		<u>-</u>	clear
2. Odour	Agreeable	Agreeable	None
3. Turbidity NT Units	1	5	0
4. Total dissolved Solids mg/L	500	2000	103
5. Electrical Conductivity Micro mho/cm	-	-	148
II.CHEMICAL EXAMINATION:			***************************************
6. pH	6.5-8.5	6.5-8.5	6.22
7. Total Alkalinity. as CaCo _{3 mg/L}	200	600	39
8. Total Hardness as CaCo _{3 mg/L}	200	600	118
9. Calcium as Ca mg/L	75	200	0.0
10. Magnesium as μs/cm	30	100	0.0
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}	September 1 - 1	-	**************************************
15. Nitrate as NO3 mg/L	45	45	11
6. Chloride as Cl mg/L	250	1000	46
7. Fluoride as F mg/L	1.0	1.5	0.0
8. Sulphate as SO _{4 mg/L}	200	400	07
9. Phosphate as PO _{4 mg/L}	<u> </u>	-	0.0
). Tidys Test 4 hrs.as O _{2 mg/L}			0.0
BACTERIOLOGICALEXAMINATION	x, 'A. was		
1.F. Technique)			
al Coliform (100 ml)	0	0	0

Remark: The tested sample conformed to IS: 10500:2012 (RA: 2019) Drinking water specification with respect to above tested parameters. The Decision rule is not applicable.



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To
The Commissioner Office,
Kottikuppam Municipality,
Villupuram

Lr.No. 689 / DWTL/TDM Date: 24.07.2024

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:	15.07.2024	Sample I D No. 689	Municipality in Villupuram Types of Source: Bore well Location: Meerambigai Garden - I
Date of Testing:	15.07.2024	Sumple 15 No. 085	Location. Weerambigar Garden - 1
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	133
5. Electrical Conductivity Micro mho/cm		284	190
II.CHEMICAL EXAMINATION:			
6. pH	6.5-8.5	6.5-8.5	6.08
7. Total Alkalinity. as CaCo _{3 mg/L}	200	600	54
8. Total Hardness as CaCo _{3 mg/L}	200	600	118
9. Calcium as Ca mg/L	75	200	0.0
10. Magnesium as μs/cm	30	100	0.0
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}		. V-	
15. Nitrate as NO3 mg/L	45	45	14
6. Chloride as Cl mg/L	250	1000	54
7. Fluoride as F mg/L	1.0	1.5	0.0
S. Sulphate as SO _{4 mg/L}	200	400	127
. Phosphate as PO _{4 mg/L}		-	0.0
. Tidys Test 4 hrs.as O _{2 mg/L}	_	2 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
BACTERIOLOGICALEXAMINATION			0.0
.F. Technique)			
al Coliform (100 ml)	0	0	
nark: The tested sample and			0

Remark: The tested sample conformed to IS: 10500:2012 (RA: 2019) Drinking water specification with respect to above tested parameters. The Decision rule is not applicable.



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

To The Commissioner Office, Kottikuppam Municipality, Villupuram

Lr.No. 690 / DWTL/TDM Date:24.07.2024

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:	15.07.2024	January or general	Municipality in Villupuram Types of Source: Bore well
Date of Testing:	15.07.2024	Sample I D No. 690	Location: Meerambigai Garden - II
District	Villupuram	1,500	
IS 10500 : 2012 I.PHYSICAL EXAMINATION	Acceptable limit	Permissible limit in the absence of alternate source	Result
1. Appearance	- , ,	- v	clear
2. Odour	Agreeable	Agreeable	None
3. Turbidity NT Units	1	5	0
4. Total dissolved Solids mg/L	500	2000	135
5. Electrical Conductivity Micro mho/cm		-	194
II.CHEMICAL EXAMINATION:			207
6. pH	6.5-8.5	6.5-8.5	6.04
7. Total Alkalinity. as CaCo _{3 mg/L}	200	600	62
8. Total Hardness as CaCo _{3 mg/L}	200	600	157
9. Calcium as Ca mg/L	75	200	0.0
10. Magnesium as μs/cm	30	100	0.0
11. Iron as Fe mg/L	0.3	0.3	0.0
12. Manganese mg/L	0.1	0.1	
13. Free Ammonia as NH _{3 mg/L}	0.5	0.5	0.0
14. Nitrite as NO _{2 mg/L}			0.0
5. Nitrate as NO3 mg/L	45	45	14
6. Chloride as Cl mg/L	250	1000	58
7. Fluoride as F mg/L	1.0	1.5	0.0
3. Sulphate as SO _{4 mg/L}	200	400	132
. Phosphate as PO _{4 mg/L}			
. Tidys Test 4 hrs.as O _{2 mg/L}	ti ees <u>i</u> i a e jaa	a secretari, p. 1	0.0
BACTERIOLOGICALEXAMINATION		-	0.0
I.F. Technique)			
cal Coliform (100 ml)	0	0	
monte. The second second			0

Remark: The tested sample conformed to IS: 10500:2012 (RA: 2019) Drinking water specification with respect to above tested parameters. The Decision rule is not applicable.



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

То

The Commissioner Office, Kottikuppam Municipality, Villupuram

Lr.No. 691 / DWTL/TDM Date:24.07.2024

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:	15.07.2024		Municipality in Villupuram Types of Source: Bore well
Date of Testing:	15.07.2024 Sample I D No. 691	Location: MGR Nagar	
<u>District</u>	Villupuram		
IS 10500 : 2012	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	420
5. Electrical Conductivity Micro mho/cm	-	-	600
II.CHEMICAL EXAMINATION:		v · · · · · · · · · · · · · · · · · · ·	
6. pH	6.5-8.5	6.5-8.5	5.78
7. Total Alkalinity. as CaCo _{3 mg/L}	200	600	70
8. Total Hardness as CaCo _{3 mg/L}	200	600	260
9. Calcium as Ca mg/L	75	200	0.0
10. Magnesium as μs/cm	30	100	0.0
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	207
17. Fluoride as F mg/L	1.0	1.5	0.0
8. Sulphate as SO _{4 mg/L}	200	400	161
9. Phosphate as PO _{4 mg/L}	•	-	
0. Tidys Test 4 hrs.as O _{2 mg/L}		-	0.0
I.BACTERIOLOGICALEXAMINATION		7	0.0
M.F. Technique)			
ecal Coliform (100 ml)	0	0	
mark. The tested - 1 C		V	0

Remark: The tested sample conformed to IS: 10500:2012 (RA: 2019) Drinking water specification with respect to above tested parameters. The Decision rule is not applicable.



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To
The Commissioner Office,
Kottikuppam Municipality,
Villupuram

Lr.No. 692 / DWTL/TDM Date:24.07.2024

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:	15.07.2024 15.07.2024	Sample I D No. 692	Municipality in Villupuram Types of Source: Bore well Location: Urakidangu
District	Villupuram		
<u>IS 10500 : 2012</u>	Acceptable limit	Permissible limit in the absence of alternate source	Result
I.PHYSICAL EXAMINATION	2 10 1		
Appearance Odour	- Agreeable	- Agreenble	clear
		Agreeable	None
3. Turbidity NT Units	1	5	0
4. Total dissolved Solids mg/L	500	2000	299
5. Electrical Conductivity Micro mho/cm	-		428
II.CHEMICAL EXAMINATION:	6.5-8.5	65.06	
6. pH		6.5-8.5	6.02
7. Total Alkalinity. as CaCo _{3 mg/L}	200	600	54
8. Total Hardness as CaCo _{3 mg/L}	200	600	149
9. Calcium as Ca mg/L	75	200	32
10. Magnesium as μs/cm	30	100	28
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	11
16. Chloride as Cl mg/L	250	1000	144
17. Fluoride as F mg/L	1.0	1.5	0.0
18. Sulphate as SO _{4 mg/L}	200	400	196
9. Phosphate as PO _{4 mg/L}		•	0.0
0. Tidys Test 4 hrs.as O _{2 mg/L}			0.0
II.BACTERIOLOGICALEXAMINATION			3.0
M.F. Technique)			
ecal Coliform (100 ml)	0	0	0

Remark: The tested sample conformed to IS: 10500:2012 (RA: 2019) Drinking water specification with respect to above tested parameters. The Decision rule is not applicable.



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To
The Commissioner Office,
Kottikuppam Municipality,
Villupuram

Lr.No. 693 / DWTL/TDM Date:24.07.2024

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:	15.07.2024	Sample I D No. 693	Municipality in Villupuram Types of Source: Bore well Location: Kottaimedu Odai – I
Date of Testing:	15.07.2024		
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	294
5. Electrical Conductivity Micro mho/cm	-	7	421
II.CHEMICAL EXAMINATION:			-
6. pH	6.5-8.5	6.5-8.5	6.06
7. Total Alkalinity. as CaCo _{3 mg/L}	200	600	39
8. Total Hardness as CaCo _{3 mg/L}	200	600	149
9. Calcium as Ca mg/L	75	200	0.0
10. Magnesium as μs/cm	30	100	0.0
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	12
16. Chloride as Cl mg/L	250	1000	242
7. Fluoride as F mg/L	1.0	1.5	0.0
8. Sulphate as SO _{4 mg/L}	200	400	
9. Phosphate as PO _{4 mg/L}	-		241
D. Tidys Test 4 hrs.as O2 mg/L		<u>-</u>	0.0
.BACTERIOLOGICALEXAMINATION			0.0
1.F. Technique)			
cal Coliform (100 ml)	0	0	
mark. The tested sample confermed to		U	0

Remark: The tested sample conformed to IS: 10500:2012 (RA: 2019) Drinking water specification with respect to above tested parameters. The Decision rule is not applicable.



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Tindivanam.

To
The Commissioner Office,
Kottikuppam Municipality,
Villupuram

Lr.No. 694 / DWTL/TDM Date:24.07.2024

Sir,

Sub: Examination of water sample Report Furnished-Reg.

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

	The received vide	e ref cited is funished belov	N.
Date of Receipt:	15.07.2024		Municipality in Villupuram Types of Source: Bore well
Date of Testing:	15.07.2024	Sample I D No. 694	Location: Kottaimedu Odai – II
District	Villupuram		
	viiiupuram	Dormiccible limit	
<u>IS 10500 : 2012</u>	Acceptable limit	Permissible limit in the absence of alternate	Result
I.PHYSICAL EXAMINATION		source	
1. Appearance	_	_	
2. Odour	Agreeable	Agreeable	clear
3. Turbidity NT Units	1	5	None
4. Total dissolved Solids mg/L	500	2000	0
5. Electrical Conductivity Micro mho/cm	-		96
II.CHEMICAL EXAMINATION:		-	138
6. pH	6,5-8,5	6.5.0.5	
7. Total Alkalinity. as CaCo _{3 mg/L}	200	6.5-8.5	5.88
8. Total Hardness as CaCo _{3 mg/L}	200	600	47
9. Calcium as Ca mg/L	75	600	78
10. Magnesium as μs/cm		200	0.0
11. Iron as Fe mg/L	30	100	0.0
12. Manganese mg/L	0.3	0.3	0.0
	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}	-	-	0.0
15. Nitrate as NO3 mg/L	45		-
	43	45	08
16. Chloride as Cl mg/L	250	1000	
7. Fluoride as F mg/L	1.0	1.5	58
8. Sulphate as SO _{4 mg/L}	200		0.0
9. Phosphate as PO _{4 mg/l}	-	400	107
D. Tidys Test 4 hrs.as O _{2 mg/L}	-	•	0.0
.BACTERIOLOGICALEXAMINATION	-	-	0.0
I.F. Technique)			
al Coliform (100 ml)	0		
nark: The tested sample conformed to	0	0	0

Remark: The tested sample conformed to IS: 10500:2012 (RA: 2019) Drinking water specification with respect to above tested parameters. The Decision rule is not applicable.



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To The Commissioner Office, Kottikuppam Municipality, Villupuram

Lr.No. 695 / DWTL/TDM Date:24.07.2024

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:	15.07.2024	Sample I D No. 695	Municipality in Villupuram Types of Source: Bore well Location: Kottaimedu Sudukadu Jamiyath
Date of Testing:	15.07.2024	Sample I D No. 695	Nagar
<u>District</u>	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	649
5. Electrical Conductivity Micro mho/cm	-	-	928
II.CHEMICAL EXAMINATION:			
6. pH	6.5-8.5	6.5-8.5	7.00
7. Total Alkalinity. as CaCo _{3 mg/L}	200	600	39
8. Total Hardness as CaCo _{3 mg/L}	200	600	323
9. Calcium as Ca mg/L	75	200	76
10. Magnesium as μs/cm	30	100	60
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	16
.6. Chloride as Cl mg/L	250	1000	340
7. Fluoride as F mg/L	1.0	1.5	0.0
3. Sulphate as SO _{4 mg/L}	200	400	235
Phosphate as PO _{4 mg/L}		-	
D. Tidys Test 4 hrs.as O _{2 mg/L}	-	<u>.</u>	0.0
BACTERIOLOGICALEXAMINATION			0.0
1.F. Technique)			
cal Coliform (100 ml)	0	0	
enaul. The second		U	0

Remark: The tested sample conformed to IS: 10500:2012 (RA: 2019) Drinking water specification with respect to above tested parameters. The Decision rule is not applicable.



DISTRICT WATER TESTING LABORATORY

TWAD Board, Near New Veeranam Illam, GST road Tindivanam – 604 002

Phone: 04147 - 227300

E-mail: vpmdstlab975@gmail.com

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

Lr.No. 696 / DWTL/TDM Date:24.07.2024

Sir,

Sub: Examination of water sample Report Furnished-Reg.

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

The Result of analysis for the water same	iples received vide	ref cited is fullished belov	
Date of Receipt:	15.07.2024	Sample I D No. 696	Types of Source: Bore Well Location: Chinna kottakuppam Irular
Date of Testing:	15.07.2024		Colony- I
District	Villupuram		
<u>IS 10500 : 2012</u>	Acceptable limit	Permissible limit in the absence of alternate source	Result
I.PHYSICAL EXAMINATION	1 1 1 1 1 1 1 1 1	1	clear
1. Appearance	-	- -	None
2. Odour	Agreeable	Agreeable	0
3. Turbidity NT Units	1	5	143
4. Total dissolved Solids mg/L	500	2000	
5. Electrical Conductivity Micro mho/cm	-		205
II.CHEMICAL EXAMINATION:			C 12
6. pH	6.5-8.5	6.5-8.5	6.12
7. Total Alkalinity. as CaCo _{3 mg/L}	200	600	70
8. Total Hardness as CaCo _{3 mg/L}	200	600	220
9. Calcium as Ca mg/L	75	200	0.0
10. Magnesium as μs/cm	30	100	0.0
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}	2₹,	-	
15. Nitrate as NO3 mg/L	45	45	08
16. Chloride as Cl mg/L	250	1000	90
17. Fluoride as F mg/L	1.0	1.5	0.0
L8. Sulphate as SO _{4 mg/L}	200	400	127
9. Phosphate as PO _{4 mg/L}	- * * , * .	- · · · ·	0.0
0. Tidys Test 4 hrs.as O _{2 mg/L}	-	-	0.0
I.BACTERIOLOGICALEXAMINATION			
M.F. Technique)			
ecal Coliform (100 ml)	0	0	0

Remark: The tested sample conformed to IS: 10500:2012 (RA: 2019) Drinking water specification with respect to above tested parameters. The Decision rule is not applicable.



DISTRICT WATER TESTING LABORATORY

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

The Commissioner Office, Kottikuppam Municipality, Villupuram

Lr.No. 697 / DWTL/TDM Date:24.07.2024

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 Testing:	15.07.2024 15.07.2024	Sample I D No. 697	Municipality in Villupuram Types of Source: Bore well Location: Chinna kottakuppam Irular Colony- II
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		Agreeable 5	0
3. Turbidity NT Units	1		134
4. Total dissolved Solids mg/L	500	2000	
5. Electrical Conductivity Micro mho/cm	-	-	192
II.CHEMICAL EXAMINATION:		65.05	C 15
6. pH	6.5-8.5	6.5-8.5	6.15
7. Total Alkalinity. as CaCo _{3 mg/L}	200	600	78
8. Total Hardness as CaCo _{3 mg/L}	200	600	236
9. Calcium as Ca mg/L	75	200	0.0
10. Magnesium as μs/cm	30	100	0.0
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}	-		-
Z mg/c			
15. Nitrate as NO3 mg/L	45	45	16
16. Chloride as Cl mg/L	250	1000	90
17. Fluoride as F mg/L	1.0	1.5	0.0
18. Sulphate as SO _{4 mg/L}	200	400	129
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
recar comorni (100 mil)	U	U	U

Remark: The tested sample conformed to IS: 10500:2012 (RA: 2019) Drinking water specification with respect to above tested parameters. The Decision rule is not applicable.

District Water Testing Laboratory,

Tindivanam



DISTRICT WATER TESTING LABORATORY

TWAD Board, Near New Veeranam Illam, GST road **Tindivanam - 604 002**

Phone: 04147 - 227300

E-mail: vpmdstlab975@gmail.com

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

To The Commissioner Office, Kottikuppam Municipality, Villupuram

Lr.No. 698 / DWTL/TDM Date:24.07.2024

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:	15.07.2024	Sample I D No. 698	Municipality in Villupuram Types of Source: Bore well Location: Chinna kottakuppam Irular Colony- III	
Date of Testing:	15.07.2024	Sample 1 D No. 698		
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	135	
5. Electrical Conductivity Micro mho/cm	- "		193	
II.CHEMICAL EXAMINATION:				
6. pH	6.5-8.5	6.5-8.5	6.10	
7. Total Alkalinity. as CaCo _{3 mg/L}	200	600	62	
8. Total Hardness as CaCo _{3 mg/L}	200	600	228	
9. Calcium as Ca mg/L	75	200	0.0	
10. Magnesium as μs/cm	30	100	0.0	
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	08	
16. Chloride as Cl mg/L	250	1000	144	
17. Fluoride as F mg/L	1.0	1.5	0.0	
18. Sulphate as SO _{4 mg/L}	200	400	34	
19. Phosphate as PO _{4 mg/L}		• • • • • • • • • • • • • • • • • • •	0.0	
20. Tidys Test 4 hrs.as O _{2 mg/L}	- ·	_	0.0	
III.BACTERIOLOGICALEXAMINATION			0.0	
(M.F. Technique)	8.4° 8-3.9			
Fecal Coliform (100 ml)	0	0	0	
Company The test of the	-	<u> </u>	U	

Remark: The tested sample conformed to IS: 10500:2012 (RA: 2019) Drinking water specification with respect to above tested parameters. The Decision rule is not applicable.

> District Water Testing Laboratory, **Tindivanam**



DISTRICT WATER TESTING LABORATORY

TWAD Board, Near New Veeranam Illam, GST road Tindivanam – 604 002

Phone: 04147 - 227300

E-mail: vpmdstlab975@gmail.com

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

To
The Commissioner Office,
Kottikuppam Municipality,
Villupuram

Lr.No. 699 / DWTL/TDM Date:24.07.2024

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:	15.07.2024	Sample I D No. 699	Municipality in Villupuram Types of Source: Bore well Location: Chinna kottakuppam Malaimedu	
Date of Testing:	15.07.2024	Sample i D No. 633		
District	Villupuram			
IS 10500 : 2012	Acceptable limit	Permissible limit in the absence of alternate source	Result	
1. Appearance		1		
Appearance Odour			clear	
	Agreeable	Agreeable	None	
3. Turbidity NT Units	1	5	0	
4. Total dissolved Solids mg/L	500	2000	123	
5. Electrical Conductivity Micro mho/cm	-	-	177	
II.CHEMICAL EXAMINATION:				
6. pH	6.5-8.5	6.5-8.5	5.42	
7. Total Alkalinity. as CaCo _{3 mg/L}	200	600	70	
8. Total Hardness as CaCo _{3 mg/L}	200	600	212	
9. Calcium as Ca mg/L	75	200	0.0	
10. Magnesium as μs/cm	30	100	0.0	
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}	-	•	0.0	
		After the second		
15. Nitrate as NO3 mg/L	45	45	19	
l6. Chloride as Cl mg/L	250	1000	97	
7. Fluoride as F mg/L	1.0	1.5	0.0	
8. Sulphate as SO _{4 mg/L}	200	400		
9. Phosphate as PO _{4 mg/L}			39	
D. Tidys Test 4 hrs.as O _{2 mg/L}	-		0.0	
.BACTERIOLOGICALEXAMINATION	-	•	0.0	
1.F. Technique)				
cal Coliform (100 ml)	0	0		
	-	U	0	

Remark: The tested sample conformed to IS: 10500:2012 (RA: 2019) Drinking water specification with respect to above tested parameters. The Decision rule is not applicable.



DISTRICT WATER TESTING LABORATORY

TWAD Board, Near New Veeranam Illam, GST road Tindivanam – 604 002

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

Lr.No. 700 / DWTL/TDM Date:24.07.2024

Sir,

Sub: Examination of water sample Report Furnished-Reg.

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

	p.co received vide	TOT OTTOW TO THE THE TENE		
Date of Receipt:	15.07.2024	Sample I D No. 700	Municipality in Villupuram Types of Source: Bore well Location: Samayapuram	
Date of Testing:	15.07.2024	Sample 1 B No. 700	Location Sample	
District	Villupuram			
IS 10500 : 2012	Acceptable limit	Permissible limit in the absence of alternate source	Result	
I.PHYSICAL EXAMINATION		· · · · · · · · · · · · · · · · · · ·	clear	
1. Appearance	- 11	- A b-l -		
2. Odour	Agreeable	Agreeable	None	
3. Turbidity NT Units	1	5	0	
4. Total dissolved Solids mg/L	500	2000	79	
5. Electrical Conductivity Micro mho/cm	-	-	114	
II.CHEMICAL EXAMINATION:				
6. pH	6.5-8.5	6.5-8.5	5.76	
7. Total Alkalinity. as CaCo _{3 mg/L}	200	600	39	
8. Total Hardness as CaCo _{3 mg/L}	200	600	165	
9. Calcium as Ca mg/L	75	200	0.0	
10. Magnesium as μs/cm	30	100	0.0	
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	05	
16. Chloride as Cl mg/L	250	1000	82	
17. Fluoride as F mg/L	1.0	1.5	0.0	
18. Sulphate as SO _{4 mg/L}	200	400	52	
19. Phosphate as PO _{4 mg/L}	-	-	0.0	
20. Tidys Test 4 hrs.as O _{2 mg/L}	-	-	0.0	
II.BACTERIOLOGICALEXAMINATION				
M.F. Technique)	or p			
ecal Coliform (100 ml)	0	0	0	

Remark: The tested sample conformed to IS: 10500:2012 (RA: 2019) Drinking water specification with respect to above tested parameters. The Decision rule is not applicable.



DISTRICT WATER TESTING LABORATORY

TWAD Board, Near New Veeranam Illam, GST road Tindivanam – 604 002

Lr.No. 701 / DWTL/TDM Date:24.07.2024

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E-mail: vpmdstlab975@gmail.com

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

To The Commissioner Office, Kottikuppam Municipality, Villupuram

Sir,

Sub: Examination of water sample Report Furnished-Reg.

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

	The state of the s	rei cited is fullished belov	N.	
Date of Receipt:	15.07.2024	Somela LD No. 1704	Municipality in Villupuram Types of Source: Bore well	
Date of Testing:	15.07.2024	Sample I D No. 701	Location: Thoppu Theru - I	
District	Villupuram			
IS 10500 : 2012 I.PHYSICAL EXAMINATION	Acceptable limit	Permissible limit in the absence of alternate source	Result	
1. Appearance			all and	
2. Odour	Agreeable	Agreeable	clear	
3. Turbidity NT Units	1	5	None	
4. Total dissolved Solids mg/L	500	2000	0	
5. Electrical Conductivity Micro mho/cm		-	711	
II.CHEMICAL EXAMINATION:			1016	
6. pH	6.5-8.5	6.5-8.5	6.00	
7. Total Alkalinity. as CaCo _{3 mg/L}	200	600	6.08	
8. Total Hardness as CaCo _{3 mg/L}	200	600	102	
9. Calcium as Ca mg/L	75	200	299	
10. Magnesium as μs/cm	30	100	64	
11. Iron as Fe mg/L	0.3	0.3	54	
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}	_	-	0.0	
			<u> </u>	
15. Nitrate as NO3 mg/L	45	45	15	
16. Chloride as Cl mg/L	250	1000	379	
17. Fluoride as F mg/L	1.0	1.5	0.0	
18. Sulphate as SO _{4 mg/L}	200	400		
19. Phosphate as PO _{4 mg/L}	-	-	134	
20. Tidys Test 4 hrs.as O _{2 mg/L}	_		0.0	
III.BACTERIOLOGICALEXAMINATION		-	0.0	
(M.F. Technique)				
Fecal Coliform (100 ml)	0	0	0	
Remark: The tested semale and		-	0	

Remark: The tested sample conformed to IS: 10500:2012 (RA: 2019) Drinking water specification with respect to above tested parameters. The Decision rule is not applicable.

Junior Water Analyst (a/d), 1(District Water Testing Laboratory,

Tindivanam



DISTRICT WATER TESTING LABORATORY

TWAD Board, Near New Veeranam Illam, GST road Tindivanam – 604 002

Phone: 04147 - 227300

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

To
The Commissioner Office,
Kottikuppam Municipality,
Villupuram

Lr.No. 702 / DWTL/TDM Date:24.07.2024

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:	15.07.2024		Municipality in Villupuram Types of Source: Bore well		
Date of Testing:	15.07.2024	Sample I D No. 702	Location: Thoppu Theru - II		
<u>District</u>	Villupuram				
<u>IS 10500 : 2012</u>	Acceptable limit	Permissible limit in the absence of alternate source	Result		
I.PHYSICAL EXAMINATION					
1. Appearance	-		clear		
2. Odour	Agreeable	Agreeable	None		
3. Turbidity NT Units	1	5	0 2.46		
Total dissolved Solids mg/L	500	2000	660		
5. Electrical Conductivity Micro mho/cm	-	-	944		
II.CHEMICAL EXAMINATION:					
6. pH	6.5∘8.5	6.5-8.5	6.16		
7. Total Alkalinity. as CaCo _{3 mg/L}	200	600	78		
8. Total Hardness as CaCo _{3 mg/L}	200	600	323		
9. Calcium as Ca mg/L	75	200	80		
10. Magnesium as μs/cm	30	100	59		
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		
.6. Chloride as Cl mg/L	250	1000	320		
7. Fluoride as F mg/L	1.0	1.5	0.0		
B. Sulphate as SO _{4 mg/L}	200	400	216		
). Phosphate as PO _{4 mg/L}					
). Tidys Test 4 hrs.as O _{2 mg/L}	-	-	0.0		
.BACTERIOLOGICALEXAMINATION			0.0		
1.F. Technique)					
cal Coliform (100 ml)	0	0	0		

Remark: The tested sample conformed to IS: 10500:2012 (RA: 2019) Drinking water specification with respect to above tested parameters. The Decision rule is not applicable.



DISTRICT WATER TESTING LABORATORY

TWAD Board, Near New Veeranam Illam, GST road **Tindivanam - 604 002**

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

The Commissioner Office, Kottikuppam Municipality, Villupuram

Lr.No. 703 / DWTL/TDM Date:24.07.2024

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:	15.07.2024	Sample I D No.		Municipality in Villupuram Types of Source: Bore well Location: R O Plot Office
Date of Testing:	15.07.2024	703		Cleanin station
District	Villupuram			
IS 10500 : 2012 I.PHYSICAL EXAMINATION	Acceptable limit	Permissible limit in the absence of alternate source		Result
1. Appearance	-	-	The state of the s	clear
2. Odour	Agreeable	Agreeable	,	None
3. Turbidity NT Units	1	5		0
4. Total dissolved Solids mg/L	500	2000		77
5. Electrical Conductivity Micro mho/cm	-	-		110
II.CHEMICAL EXAMINATION:				
6. pH	6.5-8.5	6.5-8.5		5.96
7. Total Alkalinity. as CaCo _{3 mg/L}	200	600		78
8. Total Hardness as CaCo _{3 mg/L}	200	600	_	118
9. Calcium as Ca mg/L	75	200		0.0
10. Magnesium as μs/cm	30	100		0.0
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 Cl mg/L	250	1000		74
7. Fluoride as F mg/L	1.0	1.5		0.0
8. Sulphate as SO _{4 mg/L}	200	400		0.0
9. Phosphate as PO _{4 mg/L}	-			0.0
D. Tidys Test 4 hrs.as O _{2 mg/L}	-			
.BACTERIOLOGICALEXAMINATION				0.0
I.F. Technique)				
al Coliform (100 ml)	0	0		0

Remark: The tested sample conformed to IS: 10500:2012 (RA: 2019) Drinking water specification with respect to above tested parameters. The Decision rule is not applicable.

> District Water Testing Laboratory, **Tindivanam**