



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

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 finished below.

<u>Date of Receipt:</u>	15.07.2024	Sample I D No. 686	Municipality in Villupuram Types of Source: Bore well Location: Kuyilappalayam – I
<u>Date of Testing:</u>	15.07.2024		
<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
4. Total dissolved Solids mg/L	500	2000	306
5. Electrical Conductivity Micro mho/cm	-	-	438
II.CHEMICAL EXAMINATION:			
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 NO ₃ 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. Tidy Test 4 hrs.as O ₂ mg/L	-	-	0.0
III.BACTERIOLOGICALEXAMINATION (M.F. Technique)			
Fecal 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.

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



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The Commissioner Office,
Kottikuppam Municipality,
Villupuram

Lr.No. 687 / 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 finished below.

Date of Receipt:	15.07.2024	Sample I D No.	687	Municipality in Villupuram	
Date of Testing:	15.07.2024			Types of Source:	Bore well
				Location:	Kuyilappalayam – II
District	Villupuram				
IS 10500 : 2012	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		
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	-	-	-		
15. Nitrate as NO ₃ mg/L	45	45	26		
16. Chloride as Cl mg/L	250	1000	58		
17. Fluoride as F mg/L	1.0	1.5	0.0		
18. Sulphate as SO ₄ mg/L	200	400	144		
19. Phosphate as PO ₄ mg/L	-	-	0.0		
20. Tidy's Test 4 hrs.as O ₂ mg/L	-	-	0.0		
III.BACTERIOLOGICALEXAMINATION					
(M.F. Technique)					
Fecal 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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Villupuram

Lr.No. 688 / 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 finished 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			
District	Villupuram			
IS 10500 : 2012	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	
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	-	-	-	
15. Nitrate as NO ₃ mg/L	45	45	11	
16. Chloride as Cl mg/L	250	1000	46	
17. Fluoride as F mg/L	1.0	1.5	0.0	
18. Sulphate as SO ₄ mg/L	200	400	07	
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	

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.

K. Ananthi M.Sc
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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 finished below.

Date of Receipt:	15.07.2024	Sample I D No.	689	Municipality in Villupuram	
Date of Testing:	15.07.2024			Types of Source:	Bore well
				Location:	Meerambigai Garden - I
District	Villupuram				
IS 10500 : 2012	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		
4. Total dissolved Solids mg/L	500	2000	133		
5. Electrical Conductivity Micro mho/cm	-	-	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	-	-	-		
15. Nitrate as NO ₃ mg/L	45	45	14		
16. Chloride as Cl mg/L	250	1000	54		
17. Fluoride as F mg/L	1.0	1.5	0.0		
18. Sulphate as SO ₄ mg/L	200	400	127		
19. Phosphate as PO ₄ mg/L	-	-	0.0		
20. Tidy's Test 4 hrs.as O ₂ mg/L	-	-	0.0		
III.BACTERIOLOGICALEXAMINATION (M.F. Technique)					
Fecal 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.

K. Ananthi
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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 finished below.

Date of Receipt:	15.07.2024	Sample I D No. 690	Municipality in Villupuram Types of Source: Bore well Location: Meerambigai Garden - II
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			
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	-	-	194
II.CHEMICAL EXAMINATION:			
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	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 NO ₃ mg/L	45	45	14
16. Chloride as Cl mg/L	250	1000	58
17. Fluoride as F mg/L	1.0	1.5	0.0
18. Sulphate as SO ₄ mg/L	200	400	132
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

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.

K. Ananthi
24/7/24
Junior Water Analyst (a/c),
District Water Testing Laboratory,
Tindivanam



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To
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 finished below.

Date of Receipt:	15.07.2024	Sample I D No.	691	Municipality in Villupuram Types of Source: Bore well Location: MGR Nagar
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				
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:				
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 NO ₃ 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	
18. Sulphate as SO ₄ mg/L	200	400	161	
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	

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.

B. Ananthi
24/7/24
Junior Water Analyst (a/c),
District Water Testing Laboratory,
Tindivanam



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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 finished below.

Date of Receipt:	15.07.2024	Sample I D No.	692	Municipality in Villupuram	Types of Source: Bore well Location: Urakidangu
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					
1. Appearance	-	-		clear	
2. Odour	Agreeable	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. pH	6.5-8.5	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 NO ₃ 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	
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	

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.

K. Ananthi M.Sc
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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 finished 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	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	
4. Total dissolved Solids mg/L	500	2000		294	
5. Electrical Conductivity Micro mho/cm	-	-		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 NO ₃ mg/L	45	45		12	
16. Chloride as Cl mg/L	250	1000		242	
17. Fluoride as F mg/L	1.0	1.5		0.0	
18. Sulphate as SO ₄ mg/L	200	400		241	
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	

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.

K. Ananthi M.Sc
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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 finished below.

Date of Receipt:	15.07.2024	Sample I D No.	694	Municipality in Villupuram	Municipality in Villupuram
Date of Testing:	15.07.2024	Types of Source:	Bore well	Location:	Kottaimedu Odai – II
District	Villupuram				
IS 10500 : 2012	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		
4. Total dissolved Solids mg/L	500	2000	96		
5. Electrical Conductivity Micro mho/cm	-	-	138		
II.CHEMICAL EXAMINATION:					
6. pH	6.5-8.5	6.5-8.5	5.88		
7. Total Alkalinity. as CaCO ₃ mg/L	200	600	47		
8. Total Hardness as CaCO ₃ mg/L	200	600	78		
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		
15. Nitrate as NO ₃ mg/L	45	45	08		
16. Chloride as Cl mg/L	250	1000	58		
17. Fluoride as F mg/L	1.0	1.5	0.0		
18. Sulphate as SO ₄ mg/L	200	400	107		
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		

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.

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

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 finished below.

Date of Receipt:	15.07.2024	Sample I D No.	695	Municipality in Villupuram	Municipality in Villupuram
Date of Testing:	15.07.2024			Types of Source:	Bore well
District	Villupuram			Location:	Kottaimedu Sudukadu Jamiyath Nagar
IS 10500 : 2012	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		
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 NO ₃ mg/L	45	45	16		
16. Chloride as Cl mg/L	250	1000	340		
17. Fluoride as F mg/L	1.0	1.5	0.0		
18. Sulphate as SO ₄ mg/L	200	400	235		
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		

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.

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

TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

DISTRICT WATER TESTING LABORATORY

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Phone: 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. 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 finished below.

Date of Receipt:	15.07.2024	Sample I D No.	696	Municipality in Villupuram	Types of Source: Bore well Location: Chinna kottakuppam Irular Colony- 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					
1. Appearance	-	-		clear	
2. Odour	Agreeable	Agreeable		None	
3. Turbidity NT Units	1	5		0	
4. Total dissolved Solids mg/L	500	2000		143	
5. Electrical Conductivity Micro mho/cm	-	-		205	
II.CHEMICAL EXAMINATION:					
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	-	-		-	
15. Nitrate as NO ₃ 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	
18. Sulphate as SO ₄ mg/L	200	400		127	
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	

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.

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

TAMILNADU WATER SUPPLY AND DRAINAGE BOARD



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District Water Testing Laboratory,
Tindivanam.

To
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 finished below.

Date of Receipt:	15.07.2024	Sample I D No.	697	Municipality in Villupuram	Types of Source: Bore well Location: Chinna kottakuppam Irular Colony- II
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					
1. Appearance	-	-	-	clear	
2. Odour	Agreeable	Agreeable	Agreeable	None	
3. Turbidity NT Units	1	5	5	0	
4. Total dissolved Solids mg/L	500	2000	2000	134	
5. Electrical Conductivity Micro mho/cm	-	-	-	192	
II.CHEMICAL EXAMINATION:					
6. pH	6.5-8.5	6.5-8.5	6.5-8.5	6.15	
7. Total Alkalinity. as CaCO ₃ mg/L	200	600	600	78	
8. Total Hardness as CaCO ₃ mg/L	200	600	600	236	
9. Calcium as Ca mg/L	75	200	200	0.0	
10. Magnesium as µs/cm	30	100	100	0.0	
11. Iron as Fe mg/L	0.3	0.3	0.3	0.0	
12. Manganese mg/L	0.1	0.1	0.1	0.0	
13. Free Ammonia as NH ₃ mg/L	0.5	0.5	0.5	0.0	
14. Nitrite as NO ₂ mg/L	-	-	-	-	
15. Nitrate as NO ₃ mg/L	45	45	45	16	
16. Chloride as Cl mg/L	250	1000	1000	90	
17. Fluoride as F mg/L	1.0	1.5	1.5	0.0	
18. Sulphate as SO ₄ mg/L	200	400	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	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.

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

District Water Testing Laboratory,
Tindivanam



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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 finished 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				
District	Villupuram				
IS 10500 : 2012	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	
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 NO ₃ 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 (M.F. Technique)					
Fecal 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.

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



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

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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 finished below.

Date of Receipt:	15.07.2024	Sample I D No.	699	Municipality in Villupuram	
Date of Testing:	15.07.2024			Types of Source:	Bore well
				Location:	Chinna kottakuppam Malaimedu
District	Villupuram				
IS 10500 : 2012	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	
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	-	-		-	
15. Nitrate as NO ₃ mg/L	45	45		19	
16. Chloride as Cl mg/L	250	1000		97	
17. Fluoride as F mg/L	1.0	1.5		0.0	
18. Sulphate as SO ₄ mg/L	200	400		39	
19. Phosphate as PO ₄ mg/L	-	-		0.0	
20. Tidy's Test 4 hrs.as O ₂ mg/L	-	-		0.0	
III.BACTERIOLOGICALEXAMINATION (M.F. Technique)					
Fecal 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.

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



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

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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 finished below.

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		
District	Villupuram		
IS 10500 : 2012	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
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 NO ₃ 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
III.BACTERIOLOGICALEXAMINATION (M.F. Technique)			
Fecal 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.

K. Ananthi
24/7/24
Junior Water Analyst (a/c),
District Water Testing Laboratory,
Tindivanam



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

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From,
K. Ananthi M.Sc,
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Tindivanam.

To
The Commissioner Office,
Kottikuppam Municipality,
Villupuram

Lr.No. 701 / 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 finished below.

Date of Receipt:	15.07.2024	Sample I D No.	701	Municipality in Villupuram	
Date of Testing:	15.07.2024			Types of Source:	Bore well
District	Villupuram			Location:	Thoppu Theru - I
IS 10500 : 2012	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	
4. Total dissolved Solids mg/L	500	2000		711	
5. Electrical Conductivity Micro mho/cm	-	-		1016	
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		102	
8. Total Hardness as CaCO ₃ mg/L	200	600		299	
9. Calcium as Ca mg/L	75	200		64	
10. Magnesium as µs/cm	30	100		54	
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 NO ₃ 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		134	
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	

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/c),
District Water Testing Laboratory,
Tindivanam



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

DISTRICT WATER TESTING LABORATORY

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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 finished below.

Date of Receipt:	15.07.2024	Sample I D No.	702	Municipality in Villupuram	Types of Source: Bore well Location: Thoppu Theru - II
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					
1. Appearance	-	-		clear	
2. Odour	Agreeable	Agreeable		None	
3. Turbidity NT Units	1	5		0	
4. 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 NO ₃ mg/L	45	45		18	
16. Chloride as Cl mg/L	250	1000		320	
17. Fluoride as F mg/L	1.0	1.5		0.0	
18. Sulphate as SO ₄ mg/L	200	400		216	
19. Phosphate as PO ₄ mg/L	-	-		0.0	
20. Tidy's Test 4 hrs.as O ₂ mg/L	-	-		0.0	
III.BACTERIOLOGICALEXAMINATION (M.F. Technique)					
Fecal 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.

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



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

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From,
K. Ananthi M.Sc,
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Tindivanam.

To
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 finished below.

Date of Receipt:	15.07.2024	Sample I D No.	703	Municipality in Villupuram	Types of Source: Bore well Location: R O Plot Office Cleanin station
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					
1. Appearance	-	-			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 NO ₃ mg/L	45	45			01
16. Chloride as Cl mg/L	250	1000			74
17. Fluoride as F mg/L	1.0	1.5			0.0
18. Sulphate as SO ₄ mg/L	200	400			02
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

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.

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