

## **SALIENT DETAILS**

### **CWSS TO UMayALPURAM, VEMBAKKAM-H & 10 OTHER HABITATIONS IN VEMBAKKAM UNION**

1. Scheme Cost

- a. Installation cost : Rs. 57.020 Lakhs CENR No 9/1990-91
- b. Annual Maintenance cost : Rs. 14.330 Lakhs SECR No –21/2009-10
2. Administrative approval No & Amount : BP MS No. 194 dt:28.08.90 for Rs. 58.850 Lakhs
3. Technical sanction No & Amount : Rs. 57.020 Lakhs CENR No 9/1990-91
4. Beneficiaries :

S.No	Habitation	Pop	Cap in Lit	Design Qty(LLD)
1	Umayalpuram	618	30000	0.340
2	Vengalathur	2293	60000	1.260
3	Vengalathur HC	460	EPL	0.253
4	Vembakkam	1943	100000	1.069
5	Vembakkam HC	505	30000	0.278
6	Vembakkam School	-	5000	.
7	Thirupanamur	675	30000	0.371
8	Mettu Col	1083	30000	0.596
9	Seleri	290	10000	0.160
10	Karanthai	414	15000	0.228
11	Karanthai HC	491	15000	0.270
12	Kaganam	446	15000	0.245
13	Kaganam HC	450	15000	0.248
	<b>TOTAL</b>	<b>9668</b>		<b>5.319</b>

5. Populations

- a. Present (Year) 1990 : 9668
- (As on 2011) : 9668
- b. Intermediate (Year) : ---
- c. Ultimate (Year) 2020 : 12572

6. Level of service : 40/55 LPCD

7. Designed Quantity

- a. Present (Year) 1990 : 387 KLD
- (As on 2011) : 532 KLD
- b. Intermediate (Year) : -----
- c. Ultimate (Year) 2020 : 503 KLD

8. Year of Completion & Commissioning	:	
a. Original Scheme	:	25.02.1992
b. Taken over of Maintenance	:	23.09.1995
c. Improvement scheme	:	--
9. Head works with source details	:	Infiltration well 2 no in River Palar near Vengalathur
		Dia                  Depth                  Yield
IW      1      -		3.50 M                  6.00 M                  750 LPM
IW      II		3.50m                  8.0m                  800 Lpm
10. Pumpset		
a. Type		Submersible Pumpset
b. Duty		12.50 HP X 350 lpm X 75 M Head (with stand by)
c.		3.0 HP x 350 Lpm x 25m Head
d. Collection Sump		45000 Lits. ( 15 HP -700 Lpm x 60m )
e. Hours of pumping	:	12 Hours
11. Treatment plant (with Units Details)	:	----
12. Transmission Main	:	
a. Pumping Main		Short Raising main = 150 CI AC Cl 15 = 506 M
	<b>PM</b> :	150 mm AC Cl 15 pipe = 800 M
		125 mm AC Cl 15 pipe = 360 M
		125 mm AC Cl 15 pipe = 4965 M
		100 mm PVC 4ksc pipe = 2506 M
		90 mm PVC 4ksc pipe = 260 M
	<b>BPM</b> :	110 mm PVC 4ksc pipe = 910 M
		90 mm PVC 4ksc pipe = 2092 M
		63 mm PVC 4ksc pipe = 3086 M
	<b>Sub BPM</b> :	90 mm PVC 4ksc pipe = 60 M
b. Gravity Main	:	----
13. Booster Station		At Kaganam
a. Sump with capacity	:	5000 Lit Capacity 1 no
b. Pumpset details	:	2.00 HP C.F Pset X 32 lpm X 20 M = 1 No
14. Feeder mains	:	75 mm PVC pipe 4ksc = 2020 M
		63 mm PVC Pipe 4ksc = 1028 M
15. No of Group sump with capacity	:	----
16. Service reservoirs with capacity	:	5000 Lit Cap = 1                  30000 Lit Cap = 4
		10000 Lit Cap = 1                  60000 Lit Cap = 1
		15000 Lit Cap = 4                  100000 Lit Cap = 1

Separate power feeder main details : 24 Hours Separate Available Distribution system

: 96 mm, 63 mm PVC Pipe 4ksc = 18100 M **SALIENT DETAILS**

**CWSS TO CHITHATHUR & 14 OTHER HABITATIONS IN VEMBAKKAM UNION**

# 17. Scheme Cost

- a. Installation cost : Rs. 83.00 Lakhs SECR No 18/2004-05  
b. Annual Maintenance cost : Rs. 7.22 Lakhs EE DR –14/2010-11

18. Administrative approval No & Amount : MD Pro No.FChithathur/JEVI/P&D/2003  
Dt : 30.06.2004 Rs.83.00 Lakhs

19. Technical sanction No & Amount : Rs. 83.00 Lakhs SECR No 18/2004-05

# 20. Beneficiaries

S.No	Habitation	Pop	Cap in Lit	Design Qty(LLD)
1	Ozhugavakkam	336	30000	0.180
2	Thirupanangadu	810	60000	0.450
3	Thirupanangadu Colony	400	30000	0.230
4	Thirupongadu new colony	426	30000	0.230
5	Pillanthangal	925	60000	0.510
6	Pillanthangal Colony	150	10000	0.080
7	Kalainagar Nagar	100	5000	0.050
8	Kilnelli	804	30000	0.440
9	Kilnelli Colony	380	30000	0.200
10	Thiruvadirayapuram	301	30000	0.160
11	Chithathur	1400	30000	0.780
12	Chithathur		60000	
13	Chithathur Colony	414	30000	0.230
14	Kulakarai	105	5000	0.060
15	Kangambbakkam	330	30000	0.180
16	Sanarapendai	360	30000	0.200
	Chithathur G.B.H.S.School		5000	
	<b>TOTAL</b>	<b>7241</b>		<b>3.980</b>

# 21. Populations

- a. Present (2001) : 7241  
b. Intermediate (Year) 2016 : 8327  
c. Ultimate (Year) 2031 : 9414

22. Level of service : 55 LPCD

# 23. Designed Quantity

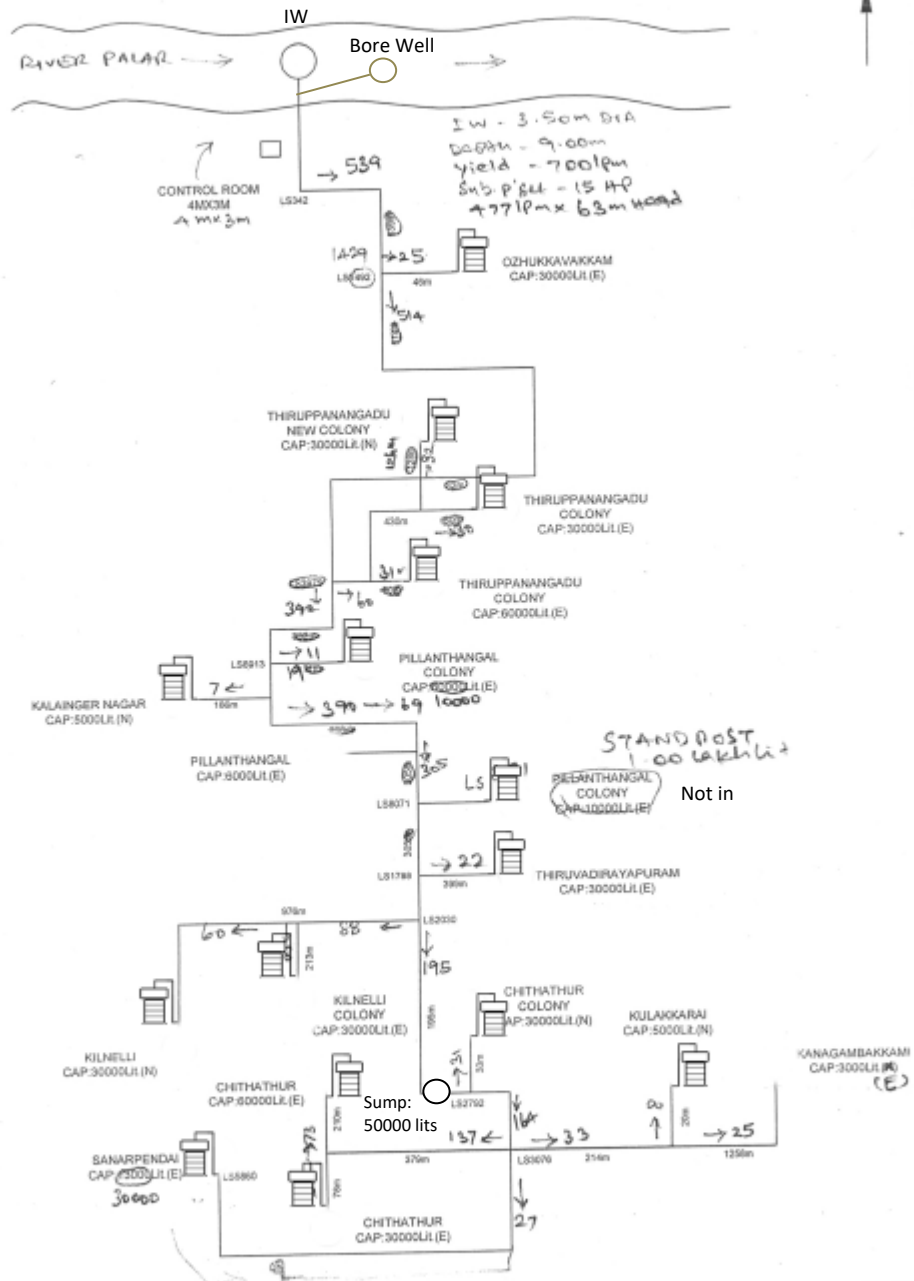
- a. Present (Year) : ----  
b. Intermediate (Year) : 458 KLD  
c. Ultimate (Year) : 518 KLD

# 24. Year of Completion & Commissioning

- a. Original Scheme : 15.04.2005  
b. Taken over of Maintenance : 24.03.2006  
c. Improvement scheme : --

25. Head works with source details	:	Infiltration I & Bore well in Palar near chettithangal
		Dia                      Depth                      Yield
IW	-	3.50 M                      9.00 M                      539 LPM
Pump Room	-	1 No (4 M X 3 M)
Pumpset		
a. Type		Submersible
b. Duty		477 lpm X 63 M = 2nos (with stand by)
c. Borewell Pumpset	:	5HP Borewell Pumpset
d. Hours of pumping	:	16 Hours
26. Treatment plant (with Units Details)	:	----
27. Transmission Main	:	150 mm AC CI Pipe = 342 M
a. Pumping Main	:	150 mm AC CI 15 pipe = 1087 M 160 mm PVC pipe 10 ksc = 414 M 140 mm PVC pipe 6 ksc = 2516 M 125 mm GI Pipe = 30 M 110 mm PVC 4ksc = 4066M, 100 mm GI=30 M
b. Stand post		(up to Stand post) 50 mm PVC 4ksc = 835 M 63 mm PVC 4ksc = 387 M, 40 mm GI = 6 M 1.00 Lakhs lit Cap S.R.
c. Gravity Main	:	110 mm PVC pipe 4ksc = 2029 M 100 mm GI pipe = 31 M 90 mm PVC pipe 4ksc = 1046 M 75 mm PVC pipe 4ksc = 2670 M 65 mm GI pipe = 84 M 50 mm GI pipe = 2395 M 63 mm PVC pipe 6ksc = 1352 M 40 mm GI pipe = 30 M 50 mm GI pipe = 3 m
28. Booster Main		
a. Booster Sump with capacity	:	50000 lits capacity sump at Chithathur
b. Pumpset details	:	300lpm x 40m Head, 7.5HP
29. No of Group sump with capacity	:	----Service reservoirs with capacity 5000 Lit Cap = 3 30000 Lit Cap = 10 10000 Lit Cap = 1                      60000 Lit Cap = 3
Separate power feeder main details	:	24 Hours Separate Available
Distribution system	:	Existing + 63 mm PVC Pipe 4ksc = 995 M

# CWSS TO CHITHATHUR & 13 OTHER HABITATIONS IN VEMBAKKAM UNION N



## **SALIENT DETAILS**

### **CWSS TO CHITHATHUR & 14 OTHER HABITATIONS IN VEMBAKKAM UNION**

**30. Scheme Cost**

- a. Installation cost : Rs. 83.00 Lakhs SECR No 18/2004-05
- b. Annual Maintenance cost : Rs. 7.22 Lakhs EE DR –14/2010-11

31. Administrative approval No & Amount : MD Pro No.FChithathur/JEVI/P&D/2003  
Dt : 30.06.2004 Rs.83.00 Lakhs

32. Technical sanction No & Amount : Rs. 83.00 Lakhs SECR No 18/2004-05

**33. Beneficiaries**

S.No	Habitation	Pop	Cap in Lit	Design Qty(LLD)
1	Ozhugavakkam	336	30000	0.180
2	Thirupanangadu	810	60000	0.450
3	Thirupanangadu Colony	400	30000	0.230
4	Thirupongadu new colony	426	30000	0.230
5	Pillanthangal	925	60000	0.510
6	Pillanthangal Colony	150	10000	0.080
7	Kalainagar Nagar	100	5000	0.050
8	Kilnelli	804	30000	0.440
9	Kilnelli Colony	380	30000	0.200
10	Thiruvadirayapuram	301	30000	0.160
11	Chithathur	1400	30000	0.780
12	Chithathur		60000	
13	Chithathur Colony	414	30000	0.230
14	Kulakarai	105	5000	0.060
15	Kangambbakkam	330	30000	0.180
16	Sanarapendai	360	30000	0.200
	Chithathur G.B.H.S.School		5000	
	<b>TOTAL</b>	<b>7241</b>		<b>3.980</b>

**34. Populations**

- a. Present (2001) : 7241
- b. Intermediate (Year) 2016 : 8327
- c. Ultimate (Year) 2031 : 9414

35. Level of service : 55 LPCD

**36. Designed Quantity**

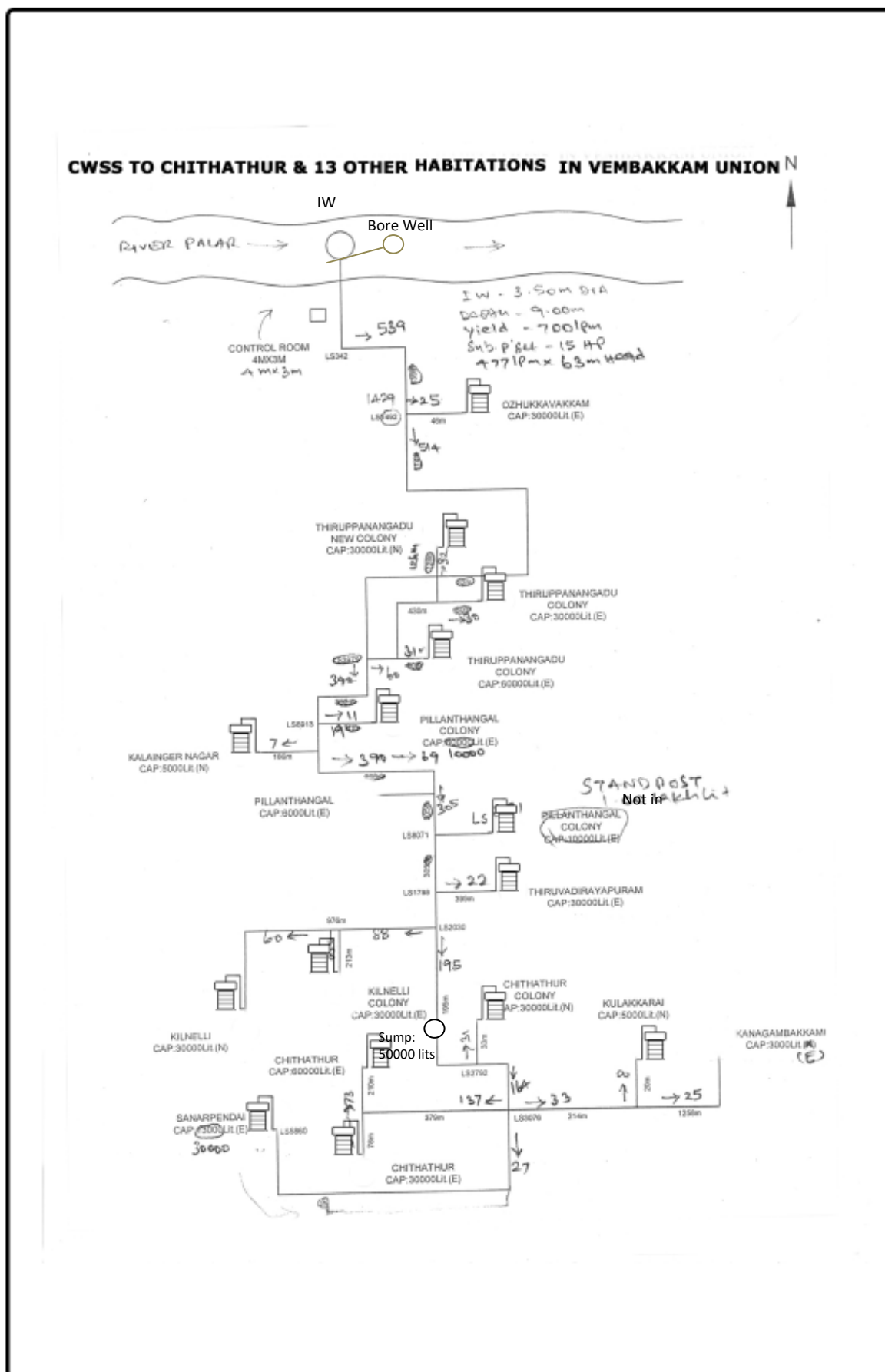
- a. Present (Year) : ----
- b. Intermediate (Year) : 458 KLD
- c. Ultimate (Year) : 518 KLD

37. Year of Completion & Commissioning :

a. Original Scheme	:	15.04.2005
b. Taken over of Maintenance	:	24.03.2006
c. Improvement scheme	:	--
38. Head works with source details	:	Infiltration I & Bore well in Palar near chettithangal
		Dia                      Depth                      Yield
IW	-	3.50 M                      9.00 M                      539 LPM
Pump Room	-	1 No (4 M X 3 M)
Pumpset		
a. Type		Submersible
b. Duty		477 lpm X 63 M = 2nos (with stand by)
c. Borewell Pumpset	:	5HP Borewell Pumpset
d. Hours of pumping	:	16 Hours
39. Treatment plant (with Units Details)	:	----
40. Transmission Main	:	150 mm AC CI Pipe = 342 M
a. Pumping Main	:	150 mm AC CI 15 pipe = 1087 M 160 mm PVC pipe 10 ksc = 414 M 140 mm PVC pipe 6 ksc = 2516 M 125 mm GI Pipe = 30 M 110 mm PVC 4ksc = 4066M, 100 mm GI=30 M
b. Stand post		(up to Stand post) 50 mm PVC 4ksc = 835 M 63 mm PVC 4ksc = 387 M, 40 mm GI = 6 M 1.00 Lakhs lit Cap S.R.
c. Gravity Main	:	110 mm PVC pipe 4ksc = 2029 M 100 mm GI pipe = 31 M 90 mm PVC pipe 4ksc = 1046 M 75 mm PVC pipe 4ksc = 2670 M 65 mm GI pipe = 84 M 50 mm GI pipe = 2395 M 63 mm PVC pipe 6ksc = 1352 M 40 mm GI pipe = 30 M 50 mm GI pipe = 3 m
41. Booster Main		
a. Booster Sump with capacity	:	50000 lits capacity sump at Chithathur
b. Pumpset details	:	300lpm x 40m Head, 7.5HP
42. No of Group sump with capacity	:	----Service reservoirs with capacity 5000 Lit Cap = 3 30000 Lit Cap = 10 10000 Lit Cap = 1                      60000 Lit Cap = 3
Separate power feeder main details	:	24 Hours Separate Available

Distribution system

: Existing + 63 mm PVC Pipe 4ksc = 995 M





## **SALIENT DETAILS**

### **CWSS TO ABDULLAPUMRAM & 13 OTHER HABITATIONS IN**

#### **VEMBAKKAM UNION**

43. Scheme Cost

- a. Installation cost : Rs. 91.930 Lakhs
- b. Annual Maintenance cost : Rs. 9.410 Lakhs – DR – 3/2010-11

44. Administrative approval No & Amount : ----

45. Technical sanction No & Amount : Rs.91.930 Lakhs

46. Beneficiaries :

S.No	Habitation	Pop	Cap in Lit	Design Qty(LLD)
1	Abduallapuram	1050	60000	0.577
2	Abduallapuram Colony	650	30000	0.357
3	Rajiv Nagar	514	30000	0.283
4	Dusi	2250	100000	1.237
5	Anumanthanpettai	654	30000	0.359
6	Vagai	892	30000	0.490
7	Vagai Nathakollai	695	30000	0.382
8	Dusi Nathakollai	765	30000	0.420
9	Kuranganil muttam	1051	60000	0.578
10	Pallavaram	758	30000	0.417
11	Pallavaram Colony	502	10000	0.276
12	Nathakollai	857	30000	0.471
13	Kanikiluppai	885	30000	0.487
14	Kanikiluppai Colony	545	30000	0.299
	<b>Total</b>	<b>12068</b>		<b>6.633</b>

47. Populations

- a. Present (as on 1999) : 12068
- b. Intermediate (Year) : --
- c. Ultimate (Year) (2029) : 16896

48. Level of service : 55 LPCD

49. Designed Quantity

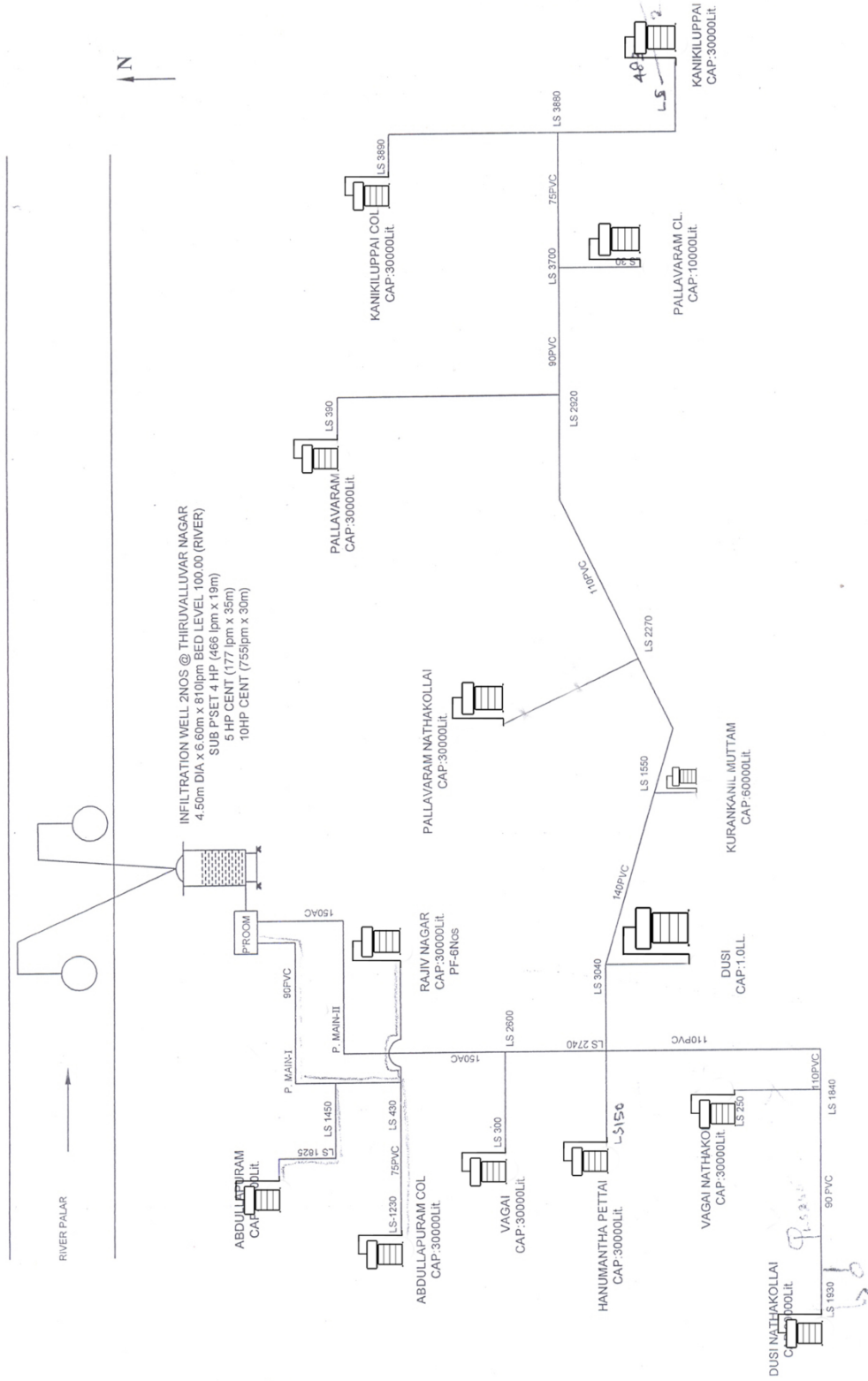
- a. Present (Year) : 663 KLD
- b. Intermediate (Year) : --
- c. Ultimate (Year) (2029) : 895 KLD

50. Year of Completion & Commissioning :

- a. Original Scheme : 06.09.2001
- b. Taken over of Maintenance : 12.12.2001

c. Improvement scheme	:	--			
51. Head works with source details	:	Infiltration wells 2 nos in river palar			
			Dia	Depth	Yield
IW.I	-	4.50 M	6.60 M	810 LPM	
IW.II	-	4.50 M	6.60 M	800 LPM	
Sump	-	30000 Lit Capacity			
Pump room	-	1 no			
52. Pumpset		IW.I		IW .II	
a. Type		Submersible		Submersible	
b. Duty		5HP X 466 lpmX19 M=2 nos		5 HPX466lpm X 11 M = 2 nos	
		(with stand by)		(with stand by)	
c. Hours of pumping	:	16 Hours			
53. Treatment plant (with Units Details)	:	---			
54. Transmission Main	:	Short Raising Main = 125 CI LA Class = 876 M			
a. Pumping Main		<b>PM.I</b>	90 PVC pipe 6ksc = 1450 M		
			75 PVC pipe 4ksc = 375 M		
b. Gravity Main		<b>P.M.II</b>	150 AC CI 15 pipe = 2634 M		
			140 PVC pipe 4ksc = 494 M		
			90 PVC pipe 4ksc = 30 M		
55. Booster Stations					
a. Sump with capacity	:	-----			
b. Pumpset details	:	-----			
56. Feeder mains	:	140 PVC pipe 4ksc =1550 M			
		110 PVC pipe 4ksc = 3189 M			
		90 PVC pipe 4ksc = 1368 M			
		75 PVC pipe 4ksc = 950 M			
		63 PVC pipe 4ksc = 1894 M			
57. No of Group sump with capacity	:	----			
58. Service reservoirs with capacity	:	10000 Lit = 5 nos		60000 Lit = 2 nos	
		30000 Lit = 10 nos		100000 Lit = 1 no	
59. Separate power feeder main details	:	24 Hours EB Supply Available			
60. Distribution system	:	90mm, 75 mm & 63 mm PVC Pipe = 22153 M			

# CWSS TO ABDULLAPYRAN AND 13 OTHER HABITATIONS IN VEMBAKKAM UNION



## **SALIENT DETAILS**

### **CWSS TO SODIYAMBAKKAM –H & 10 OTHER HABITATIONS IN VEMBAKKAM UNION**

61. Scheme Cost

- a. Installation cost : Rs. 98.00 Lakhs  
b. Annual Maintenance cost : Rs. 11.95 Lakhs SECR / 22/2009-10 dt : 17.03.2010

62. Administrative approval No & Amount : MD/Proc No.221298/P&D/AE10/9B/  
dt : 17.01.1979 for Rs. 98.00 Lakhs

63. Technical sanction No & Amount : ----

64. Beneficiaries :

S.No	Habitation	Pop	Cap in Lit	Design Qty(LLD)
1	Sodiyambakkam	1195	60000	0.657
2	Sodiyambakkam HC	600	30000	0.330
3	Mathur	719	60000	0.843
4	Mattur Colony	1533	30000	0.395
5	Mangal Koot Road	167	10000	0.090
6	Narasamangalam	1063	30000	0.585
7	Venkatapuram	671	30000	0.369
8	Lakshmipuram	504	30000	0.277
9	Mamandur	2149	100000	1.182
10	Mamandur HC	480	15000	0.264
11	Dharmapuram	569	30000	0.313
	<b>Total</b>	<b>9650</b>		<b>5.305</b>

65. Populations

- a. Present (Year) 1998 : 9170  
As on 2011 : 9650  
b. Intermediate (Year) : ---  
c. Ultimate (Year) 2021 : 12839

66. Level of service : 55 LPCD

67. Designed Quantity

- a. Present (Year) : ----  
As on 2011 : 530 KLD  
b. Intermediate (Year) : ----

c. Ultimate (Year) 2028	:	706 KLD
68. Year of Completion & Commissioning	:	
a. Original Scheme	:	30.11.2000
b. Taken over of Maintenance	:	15.03.2001
c. Improvement scheme	:	--
69. Head works with source details	:	IW, OW, BW in cheyyar river near Pudupalayam
		Dia                  Depth                  Yield
IW    I	:	4.50 M                  8.10 M                  1200 LPM
OW    II	:	4.50 M                  10.40 M                  400 LPM
BW    III	:	0.15 M                  11.00 M                  350 LPM
70. Pumpset    IW		OW
a. Type    Sub		Sub
b. Duty    20HPX736lpmX73M H-2nos	10HPX400lpmX75M H-2nos	5HPX250 lpmX75M H-2nos
(with stand by)	(with stand by)	(with stand by)
c. Hours of pumping	:	16 Hours
71. Treatment plant (with Units Details)	:	----
72. Transmission Main	:	Short Raising main
<b>IW</b>	:	150 mm Dia CI D/F pipe = 399 M
<b>OW</b>	:	80 mm Dia GI Pipe = 8 M
<b>BW</b>	:	80 mm Dia GI Pipe = 550 M
a. Pumping Main	:	H.W to Sump @ Sodiyaibakkam
	:	150 mm Dia CI 'A' CI Pipe = 950 M
		150 mm Dia CI 'A' CI Pipe = 683 M
		150 mm Dia AC CI 15 Pipe = 5139 M
b. Gravity Main	:	----
73. Booster Main		At Sodiyaibakkam
a. Sump with capacity	:	60,000 Lit Cap
b. Pumpset details	<b>BM.I</b>	10HP C.F PsetX411lpmX43M = 2nos (with stand by)
	<b>BM.II</b>	3HP C.F PsetX325lpmX16 M = 2nos (with stand by)
74. Feeder mains	:	

**BM.I :** 110 mm PVC pipe 6ksc = 1080 M  
110 mm PVC pipe 4ksc = 3120 M

**BM.II** 110 mm PVC pipe 4ksc = 6 M  
90 mm PVC pipe 4ksc = 1452 M

**BPM :** 110 mm PVC pipe 4ksc = 9 M  
90 mm PVC pipe 4ksc = 630 M  
75 mm PVC pipe 4ksc = 2052 M  
63 mm PVC pipe 4ksc = 1456 M

75. No of Group sump with capacity : ----

76. Service reservoirs with capacity : 10000 Lit Cap = 1 no                      60000 Lit Cap = 2 nos  
15000 Lit Cap = 1 no                      100000 Lit Cap = 1 no  
30000 Lit Cap = 6 nos

77. Separate power feeder main details :

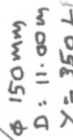
    i. Head Works : 24 Hours Supply available

    ii Booster station : Applied

78. Distribution system : 63 mm PVC Pipe 4ksc = 14500 M



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## **SALIENT DETAILS**

### **CWSS TO MENALLUR-H & 10 OTHER HABITATIONS IN VEMBAKKAM UNION**

**79. Scheme Cost**

- a. Installation cost : Rs. 80.720 Lakhs
- b. Annual Maintenance cost : Rs. 14.72 Lakhs SECR No.23/2009-10 dt 17.03.10

80. Administrative approval No & Amount : BP MS No. 161/dt : 13.05.1992 Rs.86.44 Lakhs

81. Technical sanction No & Amount : Rs. CE NR No. 2/1992-93 / dt : 9.10.1992 Rs.80.72 Lakhs

82. Beneficiaries :

<b>S.No</b>	<b>Habitation</b>	<b>Pop</b>	<b>Cap in Lit</b>	<b>Design Qty(LLD)</b>
1	Vadakalpakkam	788	30000	0.310
2	Vadakalpakkam HC	539	10000	0.210
3	Kundiyanthandalam	806	30000	0.320
4	Menallur HC	1746	60000	0.740
5	Bagavanthapuram	988	60000	0.390
6	Suruttal	1220	60000	0.480
7	Mannur(Kilnakkapalayam)	193	30000	0.070
8	Kilnakkapalayam Colony	925	30000	0.370
9	Poonaitthangal	440	30000	0.170
10	Senniyanallur	380	30000	0.150
	<b>Total</b>	<b>8025</b>		<b>3.210</b>

**83. Populations**

- a. Present (Year) 2011 : 8025
- b. Intermediate (Year) : ---
- c. Ultimate (Year) : ----

84. Level of service : 40 LPCD

**85. Designed Quantity**

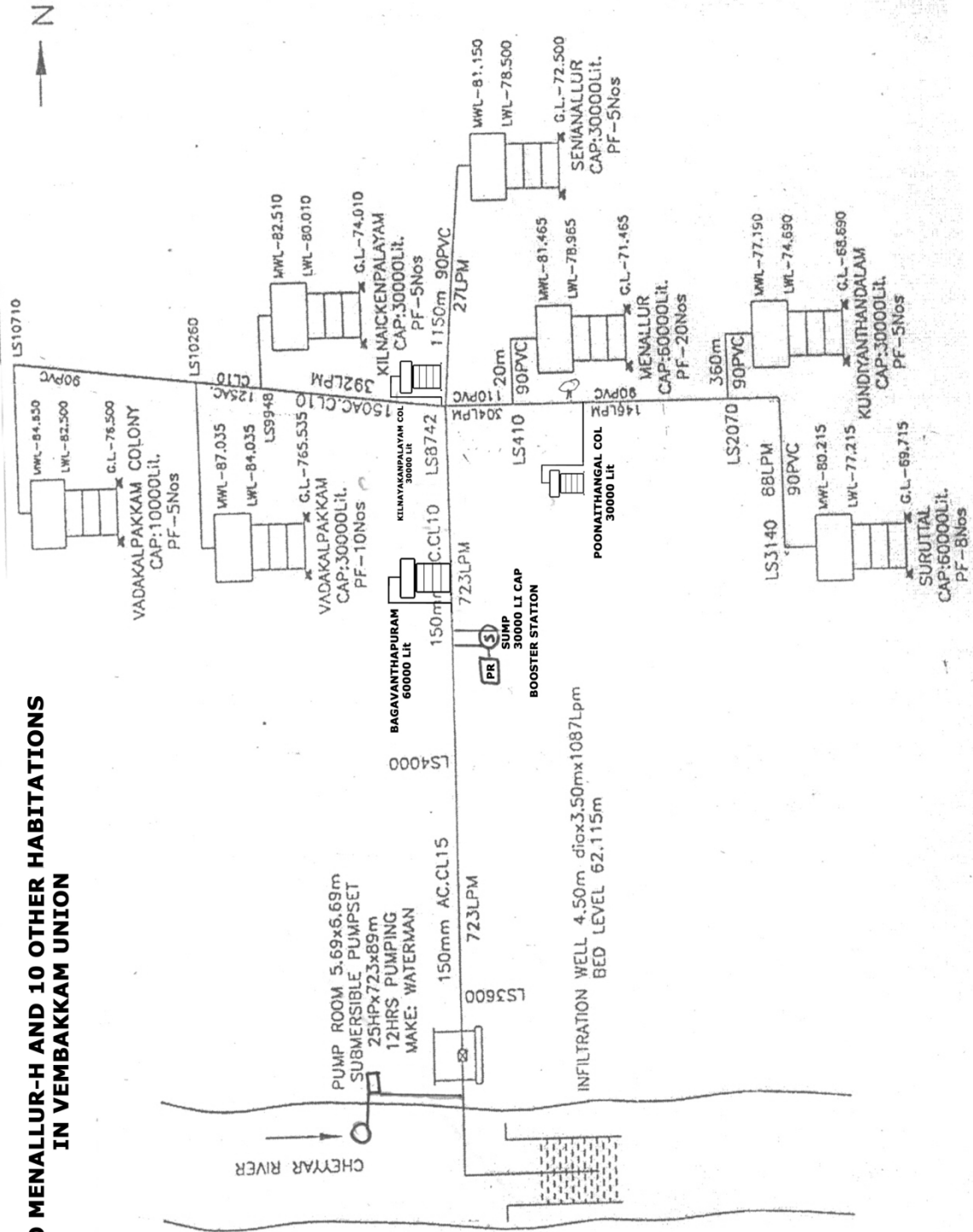
- a. Present (Year) : 321 KLD
- b. Intermediate (Year) : -----
- c. Ultimate (Year) : -----

86. Year of Completion & Commissioning :

- a. Original Scheme : 20.10.1994
- b. Taken over of Maintenance : 15.09.1995
- c. Improvement scheme : --

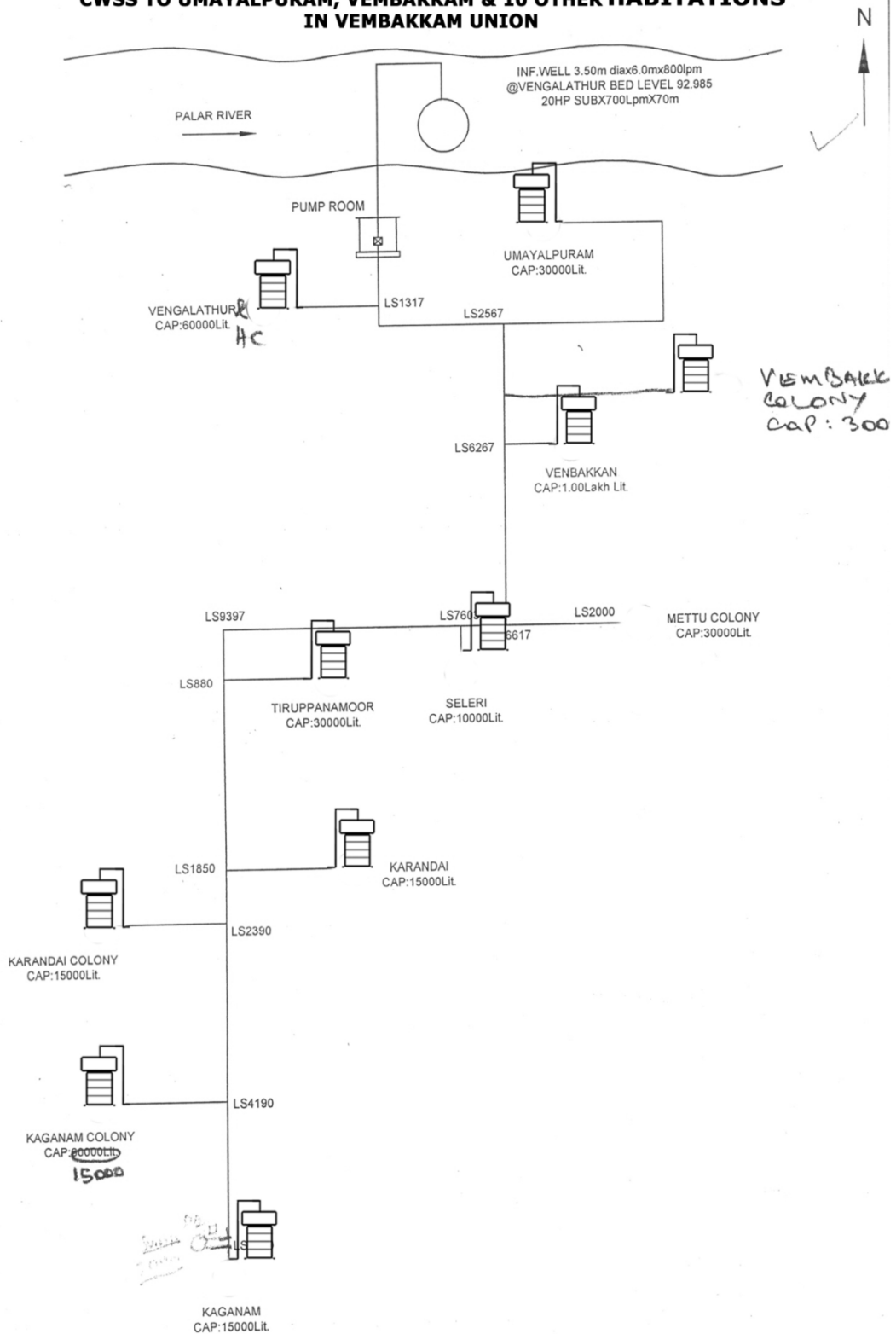
87. Head works with source details	:	Infiltration well 1 no & BW 1 no in cheyyar river near Vayalathur					
				Dia	Depth	Yield	
		IW	1 No	-	4.50 M	7.50 M	700 Lpm
		BW	1 No	-	200 mm	10.50 M	300 Lpm
		OW	1 No		4.50m	15 m	400 Lpm
		Pump Room		-	2 Nos	IW-1 No & BW – 1 No	
88. Pumpset		IW			BW		
a. Type		Submersible			Submersible		
b. Duty		15HP – 500 Lpm x 40m Head - 2nos			15HP - 400lpm x 75M Head- 1 no		
c. OW		4 HP 250 Lpm x 40m Head – 1 no.					
					Hours of pumping	:	12 Hours
89. Treatment plant (with Units Details)	:	----					
90. Transmission Main	:	Short Raising main IW = 150 CI A CI = 360 M BW = 100 mm Dia CI A CI = 159.5 M					
a. Pumping Main	<b>PM IWI</b>	:	160 mm PVC Pipe 10ksc = 1093 M 150 mm GI pipe = 161 M 150 mm AC C/15 pipe = 3640 M 150 mm AC C/10 pipe = 5570 M 150 mm AC C/10 pipe = 1140 M 125 mm AC C/10 pipe = 420 M 90 mm PVC 4ksc pipe = 1260 M 90 mm PVC 4ksc pipe = 1440 M				
	<b>BW</b>	:	150 mm AC C/15 pipe = 767 M				
b. Gravity Main		:	----				
91. Booster Main			At Bavanthipuram				
a. Sump with capacity	:	30000 Lit Capacity 1 no					
b. Pumpset details	:	10.00 HP C.F Pset X 883 lpm X 30 M = 2 nos					
92. Feeder mains	:	110 mm PVC pipe 4ksc = 331 M 90 mm PVC Pipe 4ksc = 446 M 90 mm PVC Pipe 4ksc = 380 M					
93. No of Group sump with capacity	:	----					
94. Service reservoirs with capacity	:	10000 Lit Cap = 1 30000 Lit Cap = 6 60000 Lit Cap = 3					
95. Separate power feeder main details	:	24 Hours separate Available					
96. Distribution system	:	90 mm, 75 mm, 63 mm PVC Pipe 4ksc = 14500 M					

# **CWSS TO MENALLUR-H AND 10 OTHER HABITATIONS IN VEMBAKKAM UNION**





# **CWSS TO UMayALPURAM, VEMBAKKAM & 10 OTHER HABITATIONS IN VEMBAKKAM UNION**



## **SALIENT DETAILS**

### **CWSS TO UKKAL, KOTTAKARI & 13 OTHER HABITATIONS IN ANAKAVOOR UNION**

97. Scheme Cost

- a. Installation cost : Rs. 29.87 Lakhs  
b. Annual Maintenance cost : Rs. 9.28 Lakhs DR 1/2010-11/ dt 09.04.2010

98. Administrative approval No & Amount : ----

99. Technical sanction No & Amount : ----

100. Beneficiaries :

S.No	Habitation	Pop	Cap in Lit	Design Qty(LLD)
1	Ukkal	1475	60000	0.811
2	Maduvankarai	606	60000	0.330
3	Ukkal Colony	723	30000	0.398
4	Ukkal Pendai	546	30000	0.300
5	Kottakarai	531	30000	0.293
6	KK Nagar	531	30000	0.292
7	Kozhamanthai Colony	443	30000	0.244
8	Kozhamanthai Pendai	195	10000	0.107
9	Kozhamanthai	745	30000	0.410
10	Nathakollai	621	30000	0.343
11	Vellamalai	465	30000	0.256
12	Mahajanambakkam	925	30000	0.509
13	Mahajanambakkam HC	496	30000	0.273
14	Nimili		Delink	
15	Sirunallur		Delink	
	<b>Total</b>	<b>8302</b>		<b>4.566</b>

101. Populations

- a. Present (Year) 2011 : 8302  
b. Intermediate (Year) : ---  
c. Ultimate (Year) : ----

102. Level of service : 55 LPCD

103. Designed Quantity

- a. Present (Year) 2011 : 457 KLD

b.	Intermediate (Year)	:	-----
c.	Ultimate (Year)	:	-----
104.	Year of Completion & Commissioning	:	
a.	Original Scheme	:	12.02.1984
b.	Taken over of Maintenance	:	23.09.1995
c.	Improvement scheme	:	--
105.	Head works with source details	:	Infiltration well 3 nos in cheyyar river at Koozhamandal
			Dia Depth Yield
	IW1	-	3.50 M 6.00 M 600 LPM
	IW2	-	3.50 M 8.00 M 600 LPM
	IW3	-	3.50 M 9.00 M 700 LPM
106.	Pumpset IW 1		IW.2 IW3
	Submersible		Submersible Submersible
	12.5HP -550lpm x 70M	12.5 HP - 500lpm x 75M	10 HP - 500lpm x 75M
	7.50HP -350lpm x 50M	10 HP - 500lpm x 60 M	10 HP - 500lpm x 75M
a.	Hours of pumping	:	12 Hours
107.	Treatment plant (with Units Details)	:	----
108.	Transmission Main	:	Short Raising main
a.	Pumping Main		IW (Old)
		:	100 mm CI LA Pipe Class = 123.75 M
			100 mm GI Pipe = 142 M
			BW
			100 mm CI LA Pipe Class = 90 M
			IW (New)
			100 mm GI Pipe = 45 M
			P.M IW(old)
			110 mm PVC Pipe 4ksc = 1485 M
			IW
			110 mm PVC Pipe 4ksc = 1000 M
			IW+BW
			110 mm PVC Pipe 4ksc = 773 M
			90 mm PVC Pipe 4ksc = 1500 M
			75 mm PVC Pipe 4ksc = 1500 M
			63 mm PVC Pipe 4ksc = 5000 M
b.	Gravity Main	:	----
109.	Booster Main		
a.	Sump with capacity	:	----
b.	Pumpset details	:	----
110.	Feeder mains	:	
111.	No of Group sump with capacity	:	----
112.	Service reservoirs with capacity	:	10000 Lit Cap = 1 no
			30000 Lit Cap = 10 nos
			60000 Lit Cap = 2 nos
113.	Separate power feeder main details	:	Separate Feeder Available

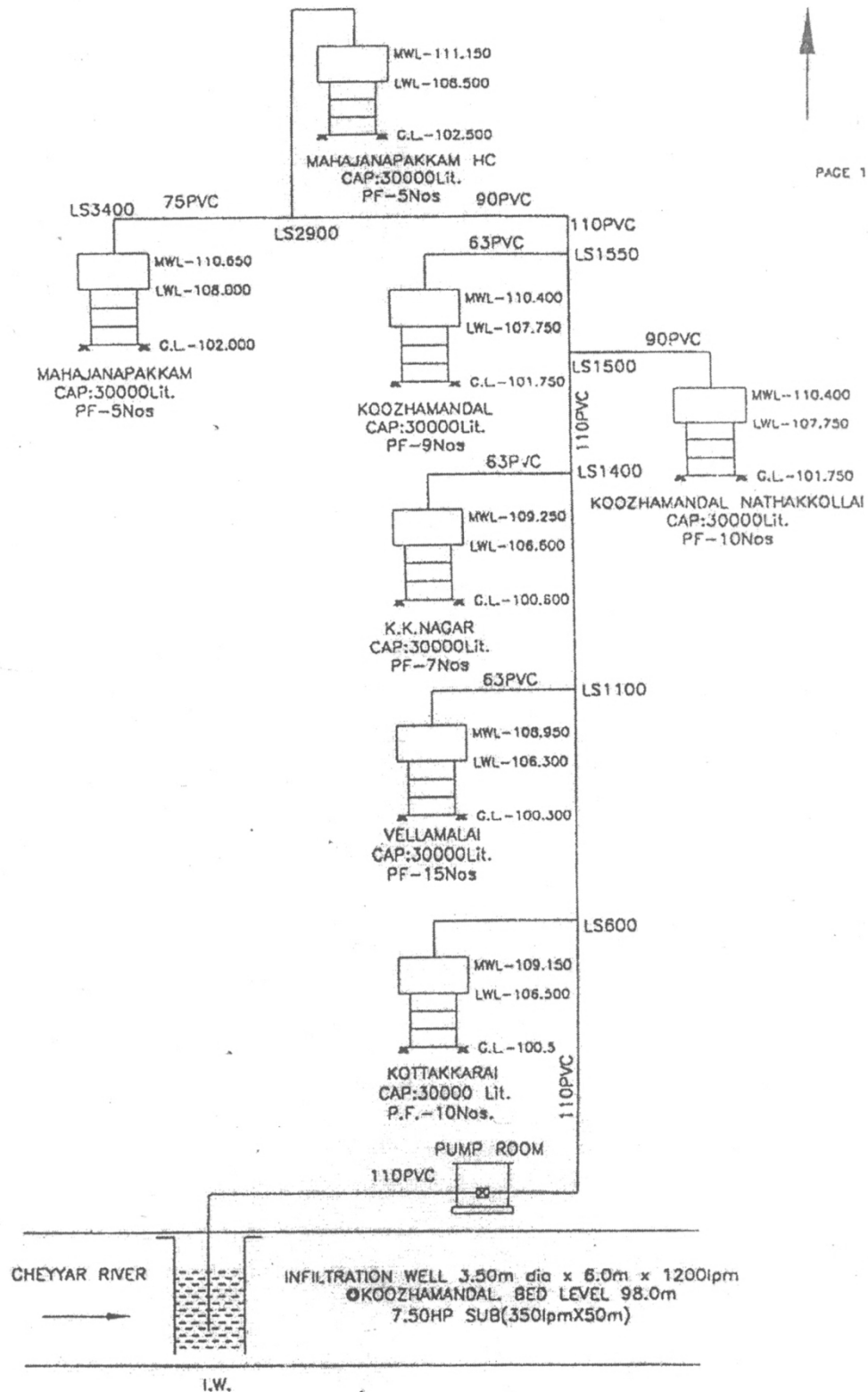
114. Distribution system : 90 mm, 75 mm, 63 mm PVC Pipe 4ksc = 14580 M



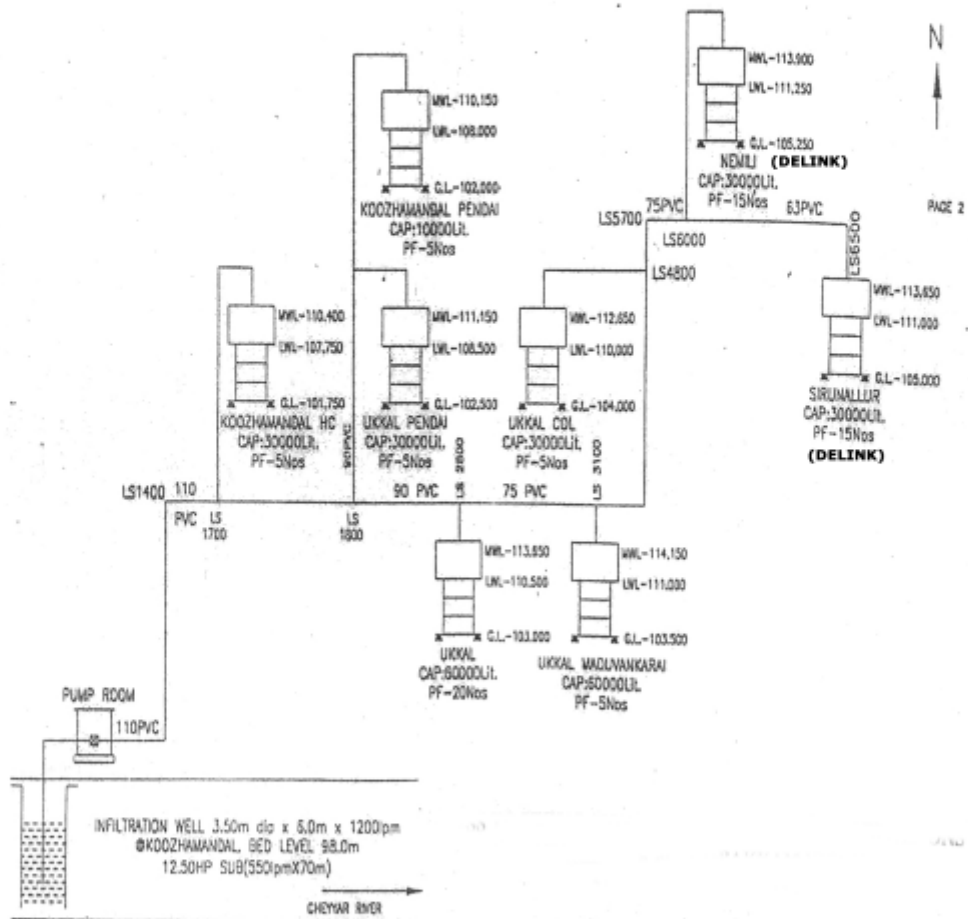
**CWSS TO UKKAL KOTTAKKARAI & 13 OTHER HABITATIONS  
IN ANAKKAVUR & VEMBAKKAM UNION**



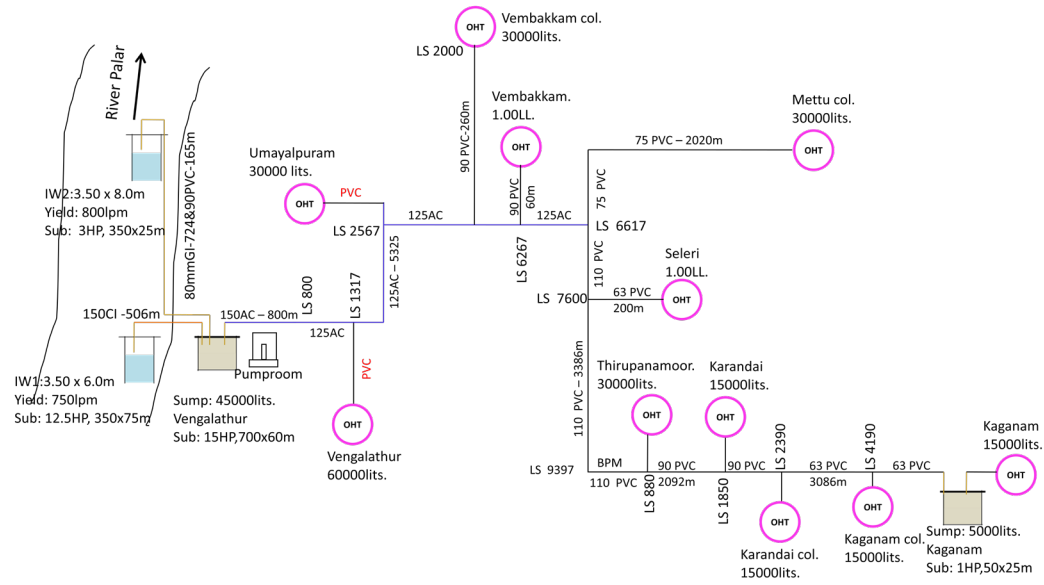
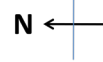
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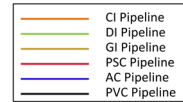
**CWSS TO UKKAL KOTTAKKARAI & 13 OTHER HABITATIONS  
IN ANAKKAVUR & VEMBAKKAM UNION**



# **CWSS to Umayalpuram, Vembakkam H and 10 other Habitations in Vembakkam Union of Tiruvannamalai District ( Flow Diagram – Not to Scale )**

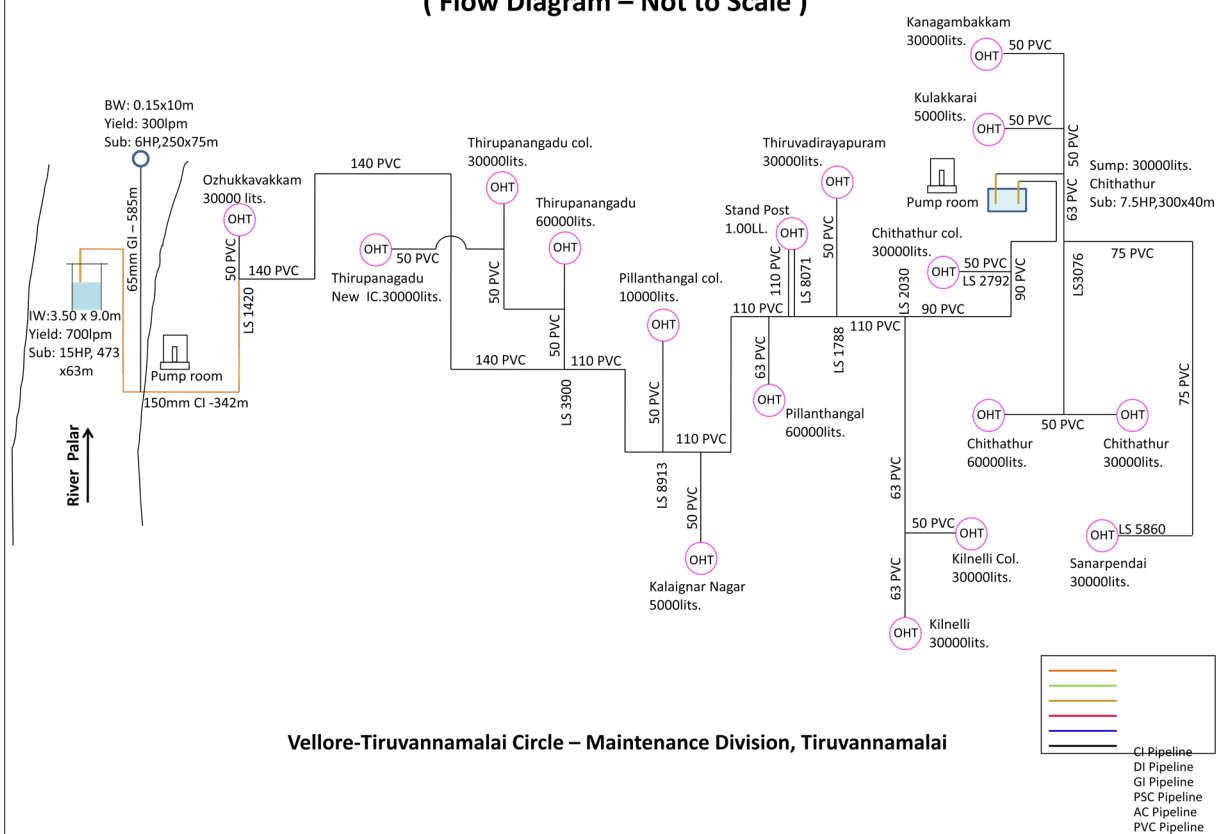


Vellore-Tiruvannamalai Circle – Maintenance Division, Tiruvannamalai

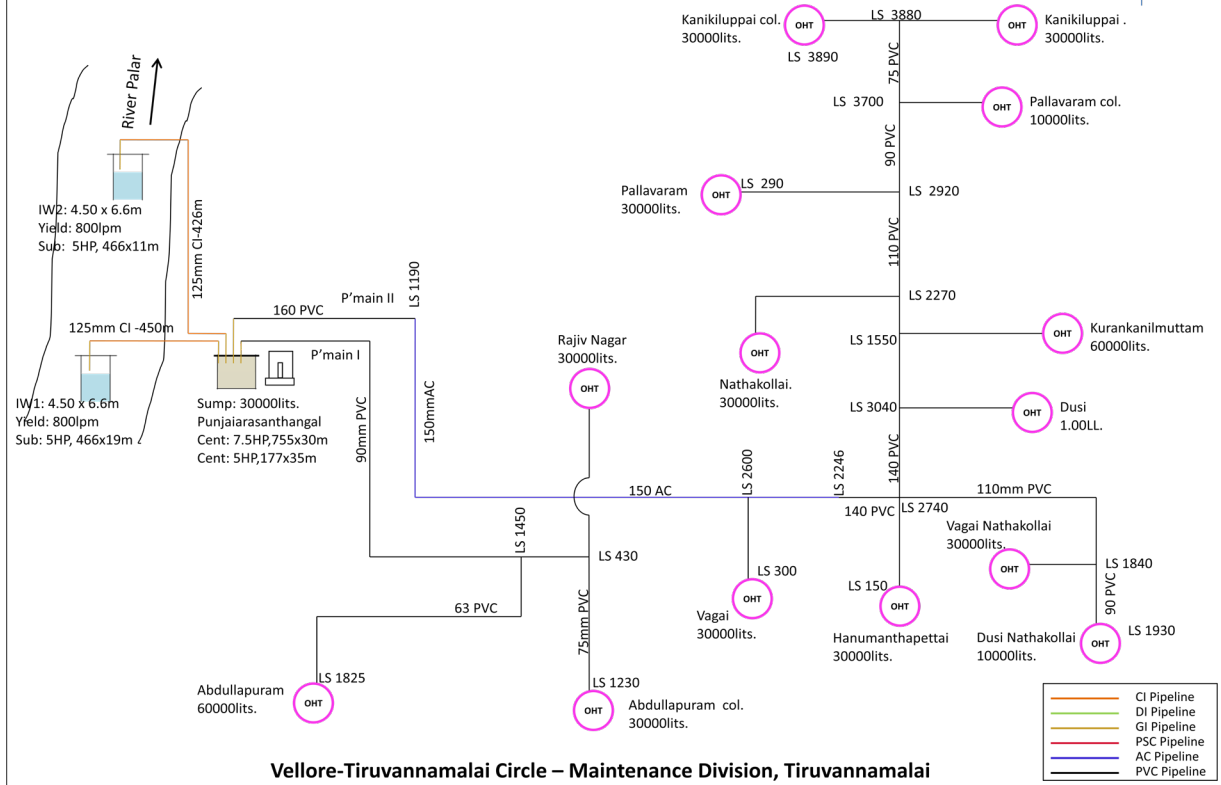
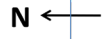


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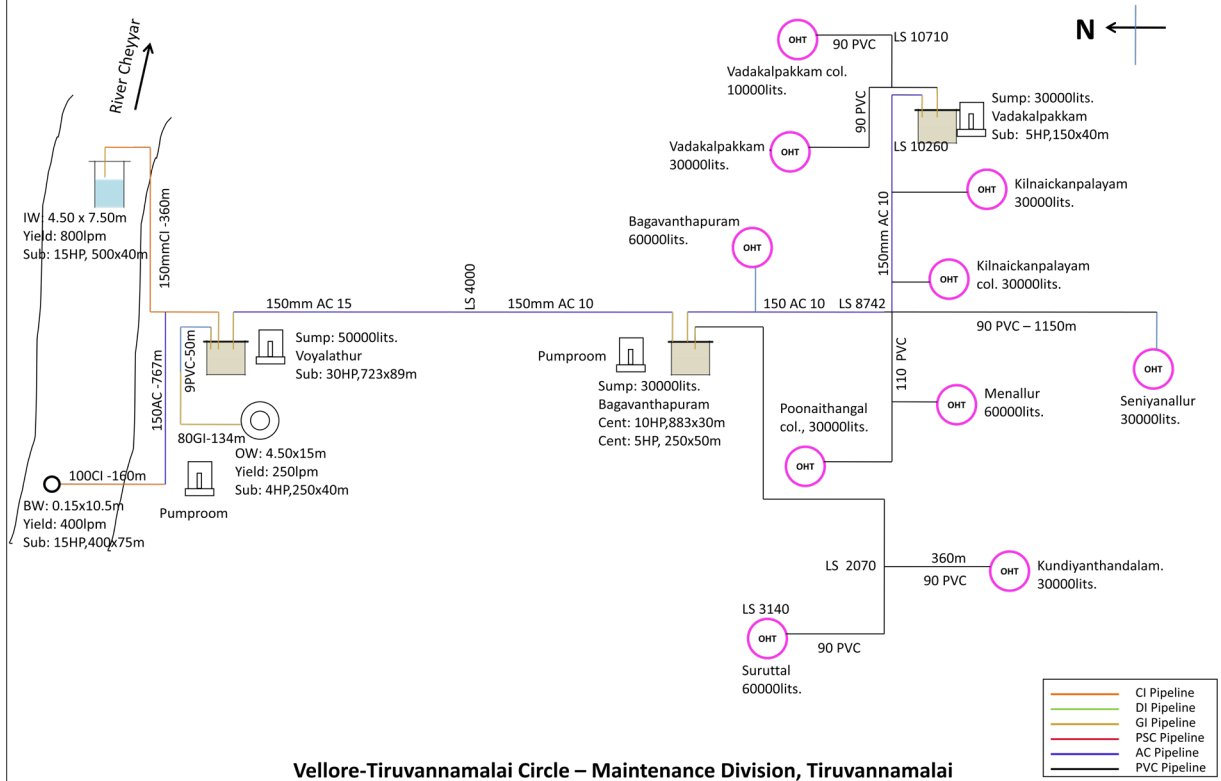
# **CWSS to Chithathur and 14 other Habitations in Vembakkam union of Tiruvannamalai District ( Flow Diagram – Not to Scale )**



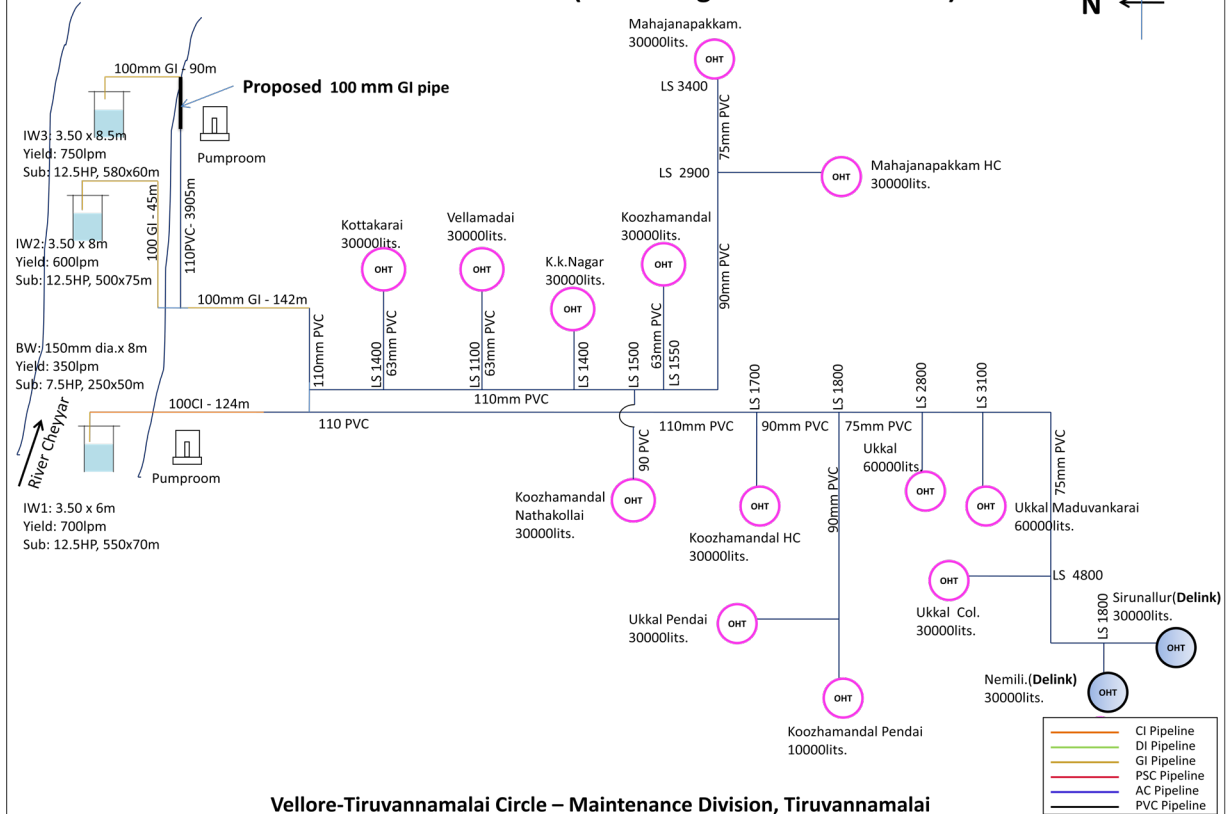
# **CWSS to Abdullapuram and 13 other Habitations in Vembakkam Union of Tiruvannamalai District ( Flow Diagram – Not to Scale )**



## CWSS to Menallur - H and 10 other Habitations in Vembakkam Union of Tiruvannamalai District ( Flow Diagram – Not to Scale )



## CWSS to Ukkal - Kottakkarai and 13 other Habitations in Anakkavur Union of Tiruvannamalai District ( Flow Diagram – Not to Scale )



## MASTER REGISTER

### Details of CWSS maintained by the TWAD Board

Sl.No	Name of CWSS	Pumping Main		Feeder/Booster Main	
		Size	Length in Mts	Size	Length in Mts
1	CWSS to Namathodu and Chetpet RTP and 22 other habitations in Peranamallur union of Tiruvannamalai District	350mm PSC 10 KSC	9710	250mm CI LA	950
				250mm AC Cl.15	10391
				150mm AC Cl.15	1727
				150mm CI D/F	11
				140mm PVC 4KSC	4371
				110mm PVC 4Ksc	1632
				125mm GI	43
				100mm GI	54
				140mm PVC 4KSC	558
				110mm PVC 4Ksc	248
				90mm PVC 4KSC	3842
				100mm GI	9
				80mm GI	57
				250mm AC Cl.15	3576
				250 CI S/S	141
				140mm PVC 4KSC	1124
				110mm PVC 4Ksc	114
				125mm GI	24
				BM - V	
				140mm PVC 4KSC	167
				110mm PVC 4Ksc	2282
				90mm PVC 4KSC	408
				125mm GI	5
				100mm GI	24
				80mm GI	12
				Feeder Main	
				200mm AC Cl.15	349
				200mm CI S/S	37
				90mm PVC 4KSC	4686
				80mm CI S/S	9
				80mm GI	65
				150mm AC Cl.15	644
				150mm CI D/F	11
			<b>9710</b>		<b>37571</b>

MASTER REGISTER					
Details of CWSS maintained by the TWAD Board					
Sl.No	Name of CWSS	Pumping Main		Feeder/Booster Main	
		Size	Length in Mts	Size	Length in Mts
2	CWSS to Parasur and 13 other habitations in Anakkavur & Cheyyar union of Tiruvannamalai District	160mm PVC 6KSC	960	75mm PVC 4KSC	1540
		140mm PVC 6KSC	2500	63mm PVC 4KSC	2450
		110mm PVC 4KSC	2120		
		90mm PVC 4KSC	1921		
			<b>7501</b>		<b>3990</b>

Sl.No	Name of CWSS	Pumping Main		Feeder/Booster Main	
3	CWSS to Vinnamangalam and 13 other habitations in Cheyyar of Tiruvannamalai District	140mm PVC 6KSc	1500	90mm PVC 4KSC	4143
		140mm PVC 4KSc	4350	90mm PVC 4KSC	6337
		110mm PVC 4KSC	1740		
		90mm PVC 4KSC	440		
			<b>8030</b>		<b>10480</b>

Sl.No	Name of CWSS	Pumping Main		Feeder/Booster Main	
		Size	Length in Mts	Size	Length in Mts
4	CWSS to Eraiyur and 10 other habitations in Cheyyar union of Tiruvannamalai District	140mm PVC 6KSC	1209	90mm PVC 4KSC	198
		140mm PVC 4KSC	3907	80mm GI Pipe	677
		110mm PVC 4KSC	2303		
		90mm PVC 4KSC	2403		
			<b>9822</b>		<b>875</b>

Sl.No	Name of CWSS	Pumping Main		Feeder/Booster Main	
		Size	Length in Mts	Size	Length in Mts
5	CWSS to Anakkavur and 6 other habitations in Anakkavur union of Tiruvannamalai District				
		150mm CI LA	120	90mm PVC 4KSC	2600
		65mm GI	620	75mm PVC 4KSC	1480
		140mm PVC 6KSc	4800		
			<b>5540</b>		<b>4080</b>



Sl.No	Name of CWSS	Pumping Main		Feeder/Booster Main	
		Size	Length in Mts	Size	Length in Mts
6	CWSS to Thenpoondipattu and 13 other habitations in Cheyyar union of Tiruvannamalai District	140mm PVC 6KSC	8958	110mm PVC 4KSC	6922
		110mm PVC 4KSC	900	90mm PVC 4KSC	2704
				75mm PVC 4KSC	1224
				63mm PVC 4KSC	360
				50mm PVC 6Ksc	5486
				40mm GI Pipe	31
				110mm PVC 6KSC	924
				100mm GI Pipe	166
				80mm GI Pipe	36
			<b>9858</b>		<b>17853</b>

Initial Reach - CWSS to Umayalpuram, Vembakkam H and 10 other habitations in Tiruvannamalai District				
No.	Union	Panchayat	Habitation	In KL
1	Vembakkam	Umayalpuram	Umayalpuram	34.06
2	Vembakkam	Vengalathur	Vengalathur	125.20
3	Vembakkam	Vengalathur	VengalathurHC	25.12
4	Vembakkam	Vembakkam	Vembakkam	106.09
5	Vembakkam	Vembakkam	Vembakkam HC	27.57
Initial Reach - Total				<b>318.04</b>

<b>Middle Reach - CWSS to Umayalpuram, Vembakkam H and 10 other habitations in Tiruvannamalai District</b>				
<b>No.</b>	<b>Union</b>	<b>Panchayat</b>	<b>Habitation</b>	<b>In KL</b>
1	Vembakkam	Thirupanamoor	Thirupanamoor	36.86
2	Vembakkam	Thirupanamoor	Mettucolony	59.13
3	Vembakkam	Thirupanamoor	Saleri	15.83
4	Vembakkam	Karanthai	Karanthai	22.60
5	Vembakkam	Karanthai	Karanthai-HC	26.81
6	Vembakkam	Kaganam	Kaganam-HC	24.57
	Middle Reach Total			<b>185.80</b>

<b>Tail end - CWSS to Umayalpuram, Vembakkam H and 10 other habitations in Tiruvannamalai District</b>				
<b>No.</b>	<b>Union</b>	<b>Panchayat</b>	<b>Habitation</b>	<b>In KL</b>
1	Vembakkam	Kaganam	Kaganam	24.35
	Tail end Total		Kaganam	<b>24.35</b>

<b>Initial Reach - CWSS to Chithathur and 14 other habitations in Tiruvannamalai District</b>				
<b>No.</b>	<b>Union</b>	<b>Panchayat</b>	<b>Habitation</b>	<b>In KL</b>
1	Vembakkam	Arasankuppam	Ozhukavakkam	18.48
2	Vembakkam	Thirupanangadu	Thirupanangadu	44.55
3	Vembakkam	Thirupanangadu	Thirupanangadu New IC	23.43
4	Vembakkam	Chithathur	Chithathur	77.00
5	Vembakkam	Chithathur	Chithathur colony	22.77

6	Vembakkam	Chithathur	Kulakarai	5.78
Initial Reach - Total				192.01

Middle Reach - CWSS to Chithathur and 14 other habitations in Tiruvannamalai District				
No.	Union	Panchayat	Habitation	In KL
1	Vembakkam	Thirupanangadu	Thirupanangadu colony	22.00
2	Vembakkam	Pilanthangal	Pilanthangal	50.88
3	Vembakkam	Pilanthangal	Pilanthangal colony	8.25
4	Vembakkam	Pilanthangal	Kalaingar Nagar	5.50
5	Vembakkam	Kilnelli	Kilnelli	44.22
6	Vembakkam	Kilnelli	Kilnelli colony	20.90
7	Vembakkam	Kilnelli	Thiruvadirayapuram	16.56
	Middle Reach Total			<b>168.30</b>

Tail end -CWSS to Chithathur and 14 other habitations in Tiruvannamalai District				
No.	Union	Panchayat	Habitation	In KL
1	Vembakkam	Chithathur	Kanagambakkam	18.15
2	Vembakkam	Chithathur	Sanarpendai	19.8
	Tail end Total			37.95

Initial Reach - CWSS to Abdullapuram and 13 other habitations in Tiruvannamalai District				
No.	Union	Panchayat	Habitation	In KL
1	Vembakkam	Abdullapuram	Abdullapuram	57.75

3	Vembakkam	Abdullapuram	Rajiv Nagar	28.27
4	Vembakkam	Dusi	Dusi	123.75
5	Vembakkam	Dusi	Hanumanthanpettai	35.97
6	Vembakkam	Dusi	Vagai	49.06
<b>Initial Reach - Total</b>				<b>294.80</b>

<b>Middle Reach - CWSS to Abdullapuram and 13 other habitations in Tiruvannamalai District</b>				
<b>No.</b>	<b>Union</b>	<b>Panchayat</b>	<b>Habitation</b>	<b>In KL</b>
1	Vembakkam	Dusi	Vagai Natha kollai	38.23
2	Vembakkam	Vada kalpakkam	Kuranganilmuttam	57.81
3	Vembakkam	Pallavaram	Pallavaram	41.69
4	Vembakkam	Pallavaram	Pallavaram colony	27.61
5	Vembakkam	Pallavaram	Pallavaram Natha kollai	47.14
6	Vembakkam	Kilnaickken palayam	Kanikiluppai colony	29.98
	Middle Reach Total			<b>242.44</b>

<b>Tail end -CWSS to Abdullapuram and 13 other habitations in Tiruvannamalai District</b>				
<b>No.</b>	<b>Union</b>	<b>Panchayat</b>	<b>Habitation</b>	<b>In KL</b>
1	Vembakkam	Abdullapuram	Abdullapuram Colony	35.75
2	Vembakkam	Dusi	Dusi Natha kollai	42.08
3	Vembakkam	Kilnaickken palayam	Kani kiluppai	48.68
	Tail end Total			<b>126.50</b>

Initial Reach - CWSS to Sodiyaipakkam and 10 other habitations in Tiruvannamalai District				
No.	Union	Panchayat	Habitation	In KL
1	Vembakkam	Sodiyambakkam	Sodiyambakkam	65.73
3	Vembakkam	Mathur	Mathur colony	84.32
4	Vembakkam	Narasamangalam	Narasamangalam	58.47
5	Vembakkam	Mamandur	Dharmapuram	31.30
Initial Reach - Total				239.80

Middle Reach - CWSS to Sodiyaipakkam and 10 other habitations in Tiruvannamalai District				
No.	Union	Panchayat	Habitation	In KL
1	Vembakkam	Narasamangalam	Venkatarayan pettai	36.91
2	Vembakkam	Narasamangalam	Lakshimipuram	27.72
3	Vembakkam	Narasamangalam	Mamandur	118.20
	Middle Reach Total			182.82

Tail end - CWSS to Sodiyaipakkam and 10 other habitations in Tiruvannamalai District				
No.	Union	Panchayat	Habitation	In KL
1	Vembakkam	Sodiyambakkam	Sodiyambakkam-H	33.00
2	Vembakkam		Mathur	39.55
3	Vembakkam		Mangal Koot Road	9.19
4	Vembakkam	Mamandur	Mamandur-HC	26.40
	Tail end Total			108.13

Initial Reach - CWSS to Menalur H and 10 other habitations in Tiruvannamalai District				
No.	Union	Panchayat	Habitation	In KL
1	Vembakkam	Menalur	Bagavanthapuram	39.52
2	Vembakkam	Kilnaikkan palayam	Mannur	7.72
3	Vembakkam	Kilnaikkan palayam	Kilnaikkan palayam col.	37.00
<b>Initial Reach - Total</b>				<b>84.24</b>

Middle Reach - CWSS to Menalur H and 10 other habitations in Tiruvannamalai District				
No.	Union	Panchayat	Habitation	In KL
1	Vembakkam	Vadakalpakkam	Vadakalpakkam	<b>31.52</b>
2	Vembakkam	Kundiyanthandalam	Kundiyanthandalam	<b>32.24</b>
3	Vembakkam	Menalur	Menalur-HC	<b>69.84</b>
4	Vembakkam	Poonaihangal	Poonaihangal	<b>17.60</b>
5	Vembakkam	Poonaihangal	Seniyanallur	<b>15.20</b>
	Middle Reach Total			<b>166.40</b>

Tail end -CWSS to Menalur H and 10 other habitations in Tiruvannamalai District				
No.	Union	Panchayat	Habitation	In KL
1	Vembakkam	Vadakalpakkam	Vadakalpakkam -HC	21.56
2	Vembakkam	Sruttal	Suruttal	48.80
	Tail end Total			70.36

Initial Reach - CWSS to Ukkal Kottakarai and 13 other habitations in Tiruvannamalai District				
No.	Union	Panchayat	Habitation	In KL
1	Anakkavur	Ukkal	Kottai karai	33.59
2	Anakkavur	Koozhamandal	Koozhamandal colony	28.02
3	Anakkavur	Koozhamandal	Natha kollai	39.28
4	Anakkavur	Koozhamandal	Vellamalai	29.41
5	Anakkavur	Koozhamandal	K.K.Nagar	33.59
<b>Initial Reach - Total</b>				163.88

Middle Reach - CWSS to Ukkal Kottakarai and 13 other habitations in Tiruvannamalai District				
No.	Union	Panchayat	Habitation	In KL
1	Anakkavur	Ukkal	Ukkal	90.33
2	Anakkavur	Ukkal	Maduvan karai	38.33
3	Anakkavur	Ukkal	Pendai	34.54
4	Anakkavur	Koozhamandal	Pendai	12.33
5	Anakkavur	Koozhamandal	Koozhamandal H	47.12
6	Anakkavur	Mahajanambakkam	Mahajanampakkam HC	31.37
	Middle Reach Total			254.02

Tail end - CWSS to Ukkal Kottakarai and 13 other habitations in Tiruvannamalai District				
No.	Union	Panchayat	Habitation	In KL
1	Anakkavur	Ukkal	Ukkal colony	45.73
2	Mahajanambakkam	Ukkal	Mahajanampakkam HC	58.51
	Tail end Total			104.24