

SALIENT DETAILS

CWSS TO ATHI & 37 OTHER HABITATIONS IN ANAKAVUR UNION

1. Scheme Cost
 - a. Installation cost : Rs. 374.60 Lakhs CE NR No. 50/1997-98
 - b. Annual Maintenance cost : Rs. 17.72 Lakhs – SECR No. 52/2009-10
2. Administrative approval No & Amount : B.P Ms No 364/dt 22.08.1997 – Rs. 346.60 Lakhs
3. Technical sanction No & Amount : CENR No. 50/97-98 Rs.374.60 Lakhs
4. Beneficiaries :

S.No	Habitation	Pop	Cap in Lit	Design Qty(LLD)
1	Athi	1333	60000	0.533
2	Elaneerkundram	1370	60000	0.55
3	Elaneerkundram col	1028	30000	0.41
4	Kelneerkundram	783	30000	0.313
5	Vada alapiranthan H	Delink	30000	
6	Vada alapiranthan Pudur	335	15000	0.134
7	Nedungal	1650	60000	0.660
8	Nedungal col	Delink	60000	
9	Nedungal Pudur	125	EPL	0.050
10	Narmapallam	668	30000	0.267
11	Thethurai	847	60000	0.338
12	Kattukudisai	677	10000	0.270
13	Kurumbur	308	30000	0.123
14	Melma	559	60000	0.223
15	Melma col	165	15000	0.066
16	Ayarvadi	771	10000	0.308
17	Vachanur-H	1146	30000	0.458
18	Thukkavadi	412	30000	0.164
19	Alathur-H	1980	100000	0.792
20	Mangaranai	660	30000	0.264
21	Nemili	110	10000	0.044
22	Vengodu	1298	30000	0.519
23	Vengodu Col (ADD)	175	10000	0.07
24	Ponnakulam	407	10000	0.162
25	Northampadi (ADD)	Delink	EPL	
26	Then iluppai	275	60000	0.11
27	Veerampakkam - H	495	60000	0.198
28	Veerampakkam pudur	1188	EPL	0.483

29	Vada nangur	647	30000	0.258
30	Veerampakkam	649	30000	0.259
31	Then Elapakkam -Annanagar	929	60000	0.371
32	Alathangal	719	30000	0.287
33	Sowndharya puram	Delink	30000	
34	Manipuram (ADD)	Delink	Epl	
35	Pennathur	440	30000	0.176
36	Thekal pakkam - H	660	30000	0.269
37	Thiddeerkuppam	Delink		
38	Lakshmipuram	Delink		
39	Mel narma	385	30000	0.154
40	Paiyoor (ADD)	Delink	30000	
41	Alathurai	1365	30000	0.546
42	Alathurai col	506	30000	0.202
	Total	25065		10.030

5. Populations

a. Present (1996)	:	27273
As on (2011)	:	25065
b. Intermediate (Year)	:	--
c. Ultimate (Year) (2026)	:	38183

6. Level of service : 40 LPCD

7. Designed Quantity

a. Present (Year)	:	1091 KLD (1996)
b. Intermediate (Year)	:	--
c. Ultimate (Year)	:	1533 KLD (2026)

8. Year of Completion & Commissioning :

a. Original Scheme	:	31.10.2002
b. Taken over of Maintenance	:	04.04.2003
c. Improvement scheme	:	--

9. Head works with source details : Infiltration wells 3 nos in Cheyyar river

		Dia	Depth	Yield
IW.I	-	3.50 M	7.20 M	550 LPM
IW.II	-	4.50 M	7.20 M	800 LPM
IW.III	-	4.50 M	8.00 M	550 LPM
IW.IV	-	3.50 M	9.50 M	700 LPM
Sump	-	60000 Lit Capacity		
Pump room	-	1 no (10M X 8M)		

10. Pumpset	IW.I	IW .II	IW.III	PUMPROOM
a. Type	3.00HP sub	3.00HP sub	3.00HP sub	I:12.50 HP C.F II:30.00 HP C.F
b. Duty	550lpmX12M	550lpmX12M	550lpmX12M	I:432lpmX50M II:1165lpmX59M
c. Hours of pumping	:	16 Hours		
11. Treatment plant (with Units Details)	:	---		
12. Transmission Main	:	Short Raising Main = 125 mm X Dia CI LA CI = 450 M		
a. Pumping Main	PM.I	125AC C/15 = 2880 M 110 PVC 4ksc = 2513 M 90 PVC 4ksc = 3223 M	P.M.II	200 CI 'A' CI = 194 M 200 AC CI 15 = 7899 M
b. Stand Post	:	30000 Lit Cap @ LS 8093 M with 6.00 M staging height		
c. Gravity Main	GM I	200 AC C/15 = 859 M 150 AC C/15 = 2954 M 140 PVC 6ksc = 3434 M 110 PVC 6ksc = 301 M 90 PVC 4ksc = 4229 M	GM II	200 AC C/15 = 5094 M 150 AC C/15 = 2295 M 140 PVC 6ksc = 4189 M 110 PVC 6ksc = 3141 M 90 PVC 4ksc = 5329 M
13. Booster station				
a. Sump with capacity	GM .I	: Sump @ Vengodu = 5000 Lit Cap		
	GM.II	: Sump @ Paiyur = 5000 Lit Cap		
b. Pumpset details	GM.I	: 2.00 HP C.F X 100 lpm X 20 M Head = 1 No		
	GM.II	: 2.00 HP C.F X 200 lpm X 20 M Head = 1 No		
14. Feeder mains	PM.I	63 PVC 4ksc = 4370 M	PM.II	Nil
	GM.I	90 PVC 4ksc = 8234 M	GM.II	90 mm PVC 4ksc = 9565 M
15. No of Group sump with capacity	:	---		
16. Service reservoirs with capacity	:	10000 Lit = 5 nos 15000 Lit = 2 nos 30000 Lit = 19 nos		60000 Lit = 9 nos 100000 Lit = 1 No
17. Separate power feeder main details	:	Separate Feeder (24 Hours Supply)		
18. Distribution system	:	63 mm PVC Pipe (4ksc)= 17.15 KM		

INNAIKKAVUR UNION

The diagram illustrates the water supply infrastructure of Innaikkavur Union, featuring a complex arrangement of pipes, valves, and storage facilities. Major elements include:

- Water Treatment Plants (WTP):** KATUKUDAI CAP:10000 UL, P.F.-4Nos.; THIRUPURAI CAP:10000 UL, P.F.-5Nos.; KURLUMBUR CAP:30000 UL, P.F.-8Nos.; NARMAIPALLAM CAP:30000 UL, P.F.-12Nos.; VEDHAKKAM CAP:50000 LR, P.F.-18Nos.; VEERAMBakkam CAP:30000 UL, P.F.-12Nos.; VADANANGUR CAP:30000 LR, P.F.-8Nos.; ATANTHULAL CAP:30000 UL, P.F.-3Nos.; THENKALAKKAN CAP:30000 UL, P.F.-4Nos.
- Storage Tanks (ST):** STAND POST CAP:30000 UL; NEMILU CAP:10000 UL, P.F.-4Nos.; VENUGOOL CAP:10000 UL, P.F.-5Nos.; THIRUPURAI CAP:10000 UL, P.F.-5Nos.; KURLUMBUR CAP:30000 UL, P.F.-8Nos.; NARMAIPALLAM CAP:30000 UL, P.F.-12Nos.; VEDHAKKAM CAP:50000 LR, P.F.-18Nos.; VEERAMBakkam CAP:30000 UL, P.F.-12Nos.; VADANANGUR CAP:30000 LR, P.F.-8Nos.; ATANTHULAL CAP:30000 UL, P.F.-3Nos.; THENKALAKKAN CAP:30000 UL, P.F.-4Nos.
- Pipes and Connections:** Various pipe types are shown, including G.L. (General Line), W.L. (Water Line), L.S. (Low Side), and S.G.P.C. (Standard Gauge Pipe). Pipe diameters and lengths are specified at various points along the network.
- Other Features:** A 'SUMP' is located near the center-right. Several areas are marked as '(DELINK)' or 'DELINK', indicating specific operational zones or connections. A handwritten note 'Poly 72' is visible near the center.

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