

SALIENT DETAILS

CWSS TO ARAKKONAM MUNICIPALITY IN RANIPET DISTRICT AND TIRUTHANI MUNICIPALITY IN THIRUVALLUR DISTRICT

- 1 Scheme Cost : Rs.1357.00 Lakhs
- 2 Administrative approval No & Amount : G.O. Ms. No 16/MA & WS Dept Dt 6.8.2006 for
Rs 1357.00 Lakhs
- 3 Beneficiaries : 2001 Population
 - 1) Arakkonam Municipality I : 82500
 - 2) Tiruthani Municipality II : 40582
 - Total : 123082

4 Population Details

Base Year 2006	Intermediate 2021	Ultimate 2036
82500 + 40582 = 123082	94000 + 46000 = 140000	100000+80000 = 180000

5 Requirement @ 90 LPCD in Lakhs

Base Year 2006	Intermediate 2021	Ultimate 2036
74.25 + 36.52 = 110.77	84.60 + 54 = 138.60	90.00 + 72.00 = 162.00

6 Existing Supply

Base Year 2006	Intermediate 2021	Ultimate 2036
60.00 + 19.00 = 79.00	60.00 + 19.00 = 79.00	60.00 + 19.00 = 79.00

7 Balance Requirement in LPCD

Base Year 2006	Intermediate 2021	Ultimate 2036
14.22 + 17.52 = 31.74	24.60 + 35.00 = 59.60	30.00 + 33.00 = 63.00

8 Pumping Hours

Base Year 2006	Intermediate 2021	Ultimate 2036
20 Hrs	20 Hrs	20 Hrs

11 Head works with Source details

- a) Source : 4.5m dia Infiltration wells – 10Nos, 12.00m Depth at River Palar near Athipattu Village
- b) Yield of the source : 750 Lpm
- c) Raising Main : 150mm DI K7 Pipes 4000m (7 nos)
125mm GI Pipe 1800m (3 nos)

12 Head works

- a) Sump capacity : 2.00 LL
- b) Pump Room : 10m x 6m
- c) Pumpset : Centrifugal Pumpsets
60 HP – 3334 Lpm x 57m – 2 Nos
Open well Pumpsets
5.0HP-564Lpmx24m-13 Nos

13 Booster at Winterpet

- a) Sump capacity : 2.00 LL
- b) Pump Room : 8m x 6m
- c) Arakkonam Municipality : Centrifugal Pumpsets
30 HP – 2084 Lpm x 39m – 2 Nos
- d) Tiruthani Municipality : Centrifugal Pumpsets
40 HP – 1250 Lpm x 67m – 2 Nos

14 Service Reservoirs

(for Arakkonam Municipality only)

- i) Ashok Nagar - 4.00 LL SR – 1 No
- ii) Winterpet - 2.00 LL SR – 1 No
- iii) Ganesh Nagar - 1.00 LL SR – 1 No
- iv) Kalivarikandigai - 1.00 LL SR – 1 No
- v) Somasundaram Nagar- 1.00 LL SR – 1 No

12 Pumping Main : 300mm dia AC CL 15 Pipes – 43.791 KM

13 Feeder main : 200mm dia DI K7 Pipe – 7.00 KM
200mm dia AC CL 15 Pipes – 9.271 KM

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