

## **SALIENT DETAILS**

### **KADAPPANALLUR C.W.S.S**

1	Scheme Cost	:	Rs. 166.00 Lakhs
2	Beneficiaries		
	Name of Panchayat		No. of Habitations
	a.Kadappanallur VP	:	9
	b.Manickampalayam VP	:	15
	c.Boothabadi VP	:	4
	d.Kuruchi VP	:	1
	e.Singampettai VP	:	18
	f.Padavalkalvai VP	:	9
	Total	:	56
3	Population	:	25025
4	Designed Quantity	:	1.24 mld
5	Head works with Source details	:	River Cauvery ( Near Kadappanallur) Collection Well ( 6.00m dia) - 1 No.
6	Pumpset		
a	Type	:	
	For main scheme	:	Vertical Turbine
	Extension of wss	:	O.W.Submersible
b	Duty		
	For main scheme	:	987 LPM x 25 M ( 12.5 HP) -2Nos (1+1)
	Extension of wss	:	214 LPM x 20 M ( 4 HP) -2Nos (1+1)
c	Hours of Pumping	:	16 Hours
7	Treatment Plant (with Units Details )		
a.	Capacity	:	1.38 MLD
b.	Rabid Sand Filter Beds	:	3 Nos ( 3.00 m X 2.40M)
c.	Clear water sump	:	60,000 Litre capacity (5.30m Dia & 3.45m Depth)
d.	Pump Room Size	:	8.00 m X 6.00 m
		:	
e.	Pumpsets details		
i.	To Manickam palayam Sump	:	25 HP HSC ( 939 lpm X 45 m)- 2Nos (1+1)
(ii)	To Anandham palayam sump	:	7.5 HP. Sumbersible(250 lpm X 38 m) 2 Nos. (1+ 1)

- 8 Transmission Main
  - a Pumping main : 35400 m (26823 m + 8577 m)
  - b Gravity main : ....
- 9 Booster station
  - i At Manickampalayam
    - a Sump with capacity : 50000Litre capacity (4.60 m Dia & 3.45 m depth))
    - b Pumpset details :
      - (i) To Selli goundanur OHT : 10 HP HSC ( 382 lpm X 53m) 2Nos (1+1)
      - (ii) To Kunnudaiyanur OHT : 7.5 HP HSC ( 344 lpm X 38m) 2Nos (1+1)
  - ii At Anandhampalayam
    - a Sump with capacity : 30000 Litre capacity (4.00 m Dia)
    - b Pumpset details :
      - To Lakshminagar : 6 HP O.W.Sub ( 72 lpm X 36m) 2 Nos (1+1)
      - To Alankariyur : 3 HP O.W.Sub ( 121 lpm X 22m) 2 Nos (1+1)
- 10 Feeder Mains: : 2505 m
- 11 Service Reservoirs with capacity
  - 1,00,000 Litres : 2 Nos.
  - 60,000 Litres : 5 Nos.
  - 30,000 Litres : 11 Nos.
  - 10,000 Litres : 12 Nos.

**CWSS TO KADAPPANALLUR AND 55 OTHER HABITATIONS IN AMMAPET UNION**

**FLOW DIAGRAM**



