

SALIENT DETAILS

CWSS TO MUTHIYALPETTAI AND 26 OTHER HABITATIONS IN WALAJABAD UNION OF KANCHEEPURAM DISTRICT

1. Scheme Cost : Rs.123.00 Lakhs
2. Beneficiaries : 27 Habitations.
3. Populations : 42554
4. Designed Quantity : 1.42 mld
5. Head works with Source details:

7 Nos. Borewells in River Palar near Veerampadi
6. Pumpset
In Borewell - 7 Nos.
 - i) Type : Submersible Pumpset – 7.5 HP - 2 Nos.
 - ii) Duty : 350 lpm x 35 Mtr. Head
 - iii) Hours of Pumping : 16 Hrs.
 - i) Type : Submersible Pumpset – 7.5 HP - 3 Nos.
 - ii) Duty : 450 lpm x 35 Mtr. Head
 - iii) Hours of Pumping : 16 Hrs.
 - i) Type : Submersible Pumpset – 5 HP - 2 Nos.
 - ii) Duty : 200 lpm x 40 Mtr. Head
 - iii) Hours of Pumping : 16 Hrs.
- b. Head works
To Booster sumps
 - i) Type : HSC Pumpset – 20 HP - 2 Nos.
 - ii) Duty : 2324 lpm x 20 Mtr. Head
 - iii) Hours of Pumping : 16 Hrs.
For 3 habitations
 - i) Type : Monoblock Pumpset – 3 HP - 2 Nos.
 - ii) Duty : 175 lpm x 30 Mtr. Head
 - iii) Hours of Pumping : 16 Hrs.

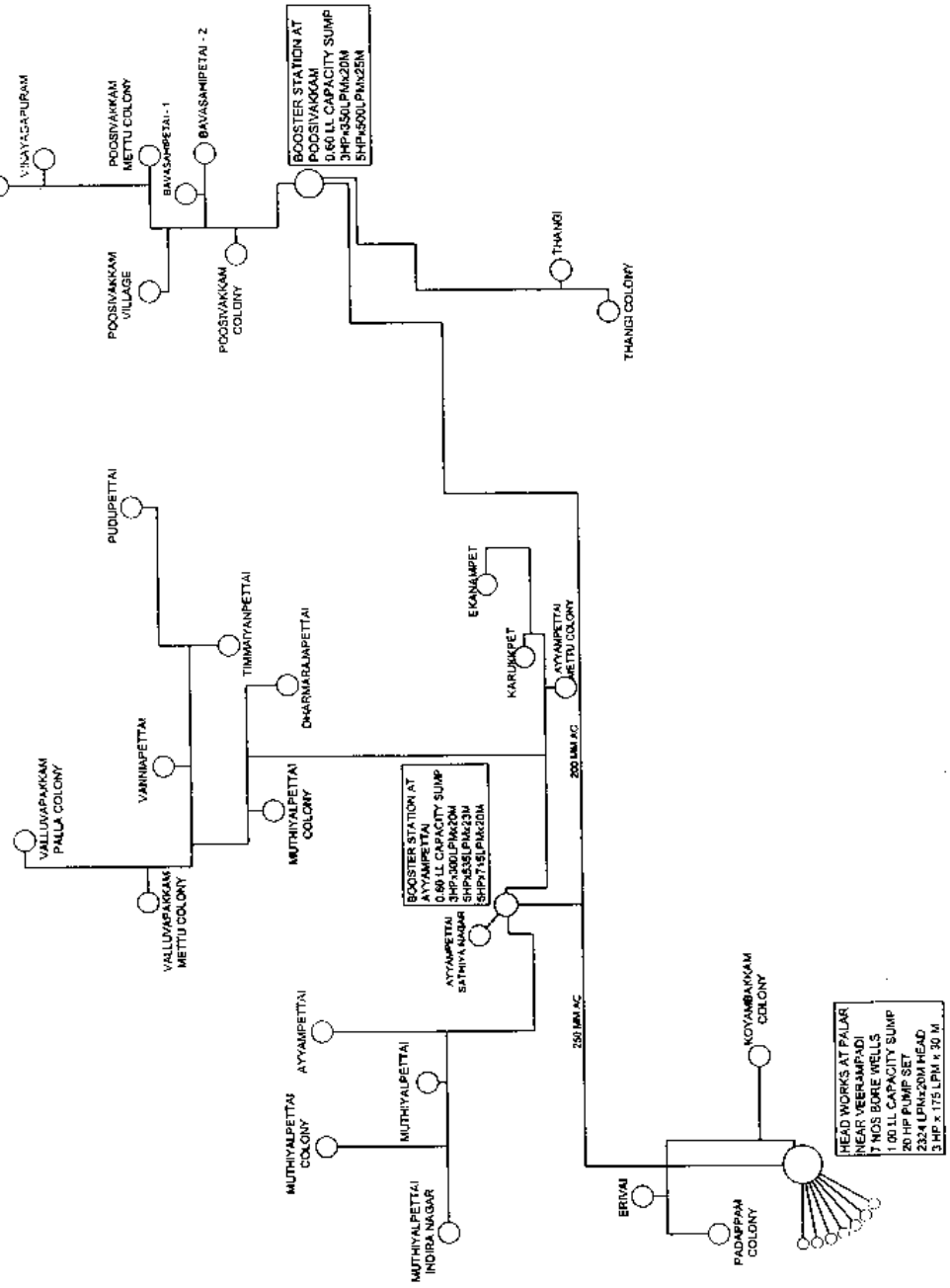
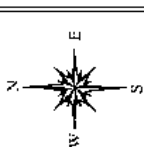
7. Transmission Main :
- i) Pumping Main :
250 mm AC – CI 15 : 3870 m
200 mm AC – CI 15 : 2950 m
- ii) Branch Pumping Main :
140 mm OD PVC 4 KSC : 5115 Mtr.
110 mm OD PVC 4 KSC : 2820 Mtr.
90 mm OD PVC 4 KSC : 14050 Mtr.
- b) Gravity Main : Nil
8. Booster Station - 1 : Iyampettai
- a) Sump with Capacity : 60,000 ltrs.
b) Pumpset Details :
1. 3 HP monoblock x 300 lpm – 20 m – 2 Nos. For 1 habitations
2. 5 HP monoblock x 535 lpm – 23 m – 2 Nos. For 4 habitations
3. 5 HP monoblock x 715 lpm – 20 m – 2 Nos. For 11 habitations
- Booster Station - 2 : Poosivakkam
- a) Sump with Capacity : 60,000 ltrs.
b) Pumpset Details :
1. 3 HP monoblock x 350 lpm – 20 m – 2 Nos. For 2 habitations
2. 5 HP monoblock x 500 lpm – 25 m – 2 Nos. For 6 habitations
9. Feeder Mains : Nil
10. Service Reservoirs with Capacity :

S.No.	Name of Panchayat	Habitation	Capacity	Designed Qty. (LLD)
1.	Muthalpettai	Valluvapakkam	60,000	0.60
2.		Valluvapakkam Mettu Colony	30,000	0.30
3.		Erivoy	60,000	0.60
4.		Padappam Village	60,000	0.30
5.		Muthiyalpet I	30,000	0.30
5a.		Muthiyalpet II	60,000	0.60
6.		Indra Nagar	30,000	0.30
7.	Ayyampettai	Ayyampettai I	1,00,000	2.00
8.		Ayyampettai II	1,50,000	2.00
9.		Ayyampettai Colony	30,000	0.30
10.		Ayyampettai metty colony	30,000	0.30

11.		Dharmarajanpettai	30,000	0.30
12.	Thimiyampettai	Thimiyampettai	60,000	0.60
13.		Karukkupettai	30,000	0.30
14.		Vanniampettai	30,000	0.30
15.	Ekkampettai	Ekkampettai	1,00,000	1.00
16.		Pudupettai	60,000	0.60
17.	Thangi	Thangi Village	30,000	0.40
18.		Thangi Colony	30,000	0.30
19.	Poosivakkam	Poosivakkam Village	30,000	0.30
20.		Poosivakkam mettu Colony	60,000	0.60
21.		Poosivakkam colony	30,000	0.30
22.		Vinayapuram	30,000	0.30
23.		Bhavasahipettai I	10,000	0.40
24.		Bhavasahipettai II	30,000	0.20
25.		Sengalvarayapuram	60,000	0.20
26.	Kithiripettai	Neikuppam		0.40
27.	Villivalam	Koyambakkam	30,000	0.30
		Total		14.20

FLOW DIAGRAM

CWSS TO MUTHIALPETTAI & 26 OTHER HABITATIONS



HEAD WORKS AT PALAR
NEAR VEERAMPADI
7 NOS BORE WELLS
1.00 LL CAPACITY SUMP
20 HP PUMP SET
2334 LPH x 20M HEAD
3 HP x 1.75 LPM x 30 M