

SALIENT DETAILS

CWSS TO SRIPERUMBUDUR AND 17 OTHER HABITATIONS

1. Scheme Cost : Rs.210.20 Lakhs
2. Beneficiaries : 17 Habitations.
3. Populations : 20550
4. Designed Quantity : 4.11 mld

5. Head works with Source details:

Head woks : River Palar at Walajabath

Source Details : Borewell - 2 Nos.

Diameter - 200 mm

Depth - 10 Mt.

Yield - 450 lpm

Infiltration well - 4 Nos.

Diameter - 4.50 Mtr.

Depth - 7.00 Mt.

Yield - 450 lpm

Sump with Capacity : 50,000 ltrs. Capacity sump

6. Pumpset

a) Infiltration well

i) Type : Submersible Pumpset - 3 HP - 4 Nos.

ii) Duty : 250 lpm x 15 Mtr. Head

iii) Hours of Pumping : 12 Hrs.

b) Borewell

i) Type : Submersible Pumpset - 5 HP - 2 Nos.

ii) Duty : 450 lpm x 15 Mtr. Head

iii) Hours of Pumping : 12 Hrs.

c) Pump House

- i) Type : Centrifugal Pumpset - 25 HP - 2 Nos.
(One No. Stand by)
- ii) Duty : 1309 lpm x 50 Mtr. Head
- iii) Hours of Pumping : 12 Hrs.

7. Transmission Main :

a) Pumping Main :

Reach - I From sump at Walajbath to Sump at Konnam Booster Station
12.23 Km.

- 200 AC CL 15 Pipe : 100 Mts.
- 200 CI LA Pipe : 1870 Mts.
- 200 OD PVC 6 KSC : 3520 Mts.
- 200 OD PVC 4 KSC : 6740 Mts.
- 200 CI LA Pipe : 20 Mts. (Vertical Pipe at Railway Bridge
Crossing)

Reach - II From sump at Konnam Booster Station to Sriperumbathur
13.46 Km.

- 200 OD PVC 6 KSC : 300 Mts.
- 200 OD PVC 4 KSC : 13160 Mts.

Branch Mains :

- 90 PVC 4 KSC : 6180 Mts.
- 75 PVC 4 KSC : 2280 Mts.
- 63 PVC 4 KSC : 1935 Mts.

b) Gravity Main : Nil

8. Booster Station : Kunnam

a) Sump with Capacity : 40,000 ltrs. Capacity sump

b) Pumpset Details : Centrifugal Pumpset - 25 HP - 2 Nos.
(One Number stand by)

1133 lpm x 42 mts. Head

9. Feeder Mains : Nil

10. Service Reservoirs with Capacity :

S.No.	Name of Panchayat	Name of Beneficiary	Capacity of OHT in Lits.	Designed Qty. in LLD
1.	Sriperumpudur Town Panchayat	Bootheri Pande	10,000	0.20
2.	Kattavakkam	Kattavakkam	30,000	0.60
3.	Kattavakkam	Vilagam	30,000	0.60
4.	Agaram	Agara	30,000	1.00
5.	Thenneri	Thenneri	60,000	1.50
6.	Kunnam	Kunnam	30,000	1.00
7.	Santha Velur	Sunguvar Chathiram	10,000	0.20
8.	Thirumangalam	Thirumangalam	30,000	0.60
9.	Mambakkam	Mambakkam	30,000	0.60
10.	Vadamangalam	Karumankalani	5,000 GLSR	0.10
11.	Pondur	Pondur	30,000	0.60
12.	Pillaipakkam	Pillaipakkam	30,000	0.60
13.	Pennalur	Beemanthangal	5,000 GLSR	0.20
14.	Pennalur	Pennalur	10,000 Sump	0.40
15.	Nemili	Karanthangal	10,000	0.05
16.	Irungattukottai	Irungattukottai	30,000	0.60
17.	Private	Rajiv Gandhi Youth Centre, Sriperumputhur	10,000 Sump	0.10
18.	Private	Toll Plaza, Sriperumbutuhur	5,000 Sump	0.05

FLOW DIAGRAM

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