

## **SALIENT DETAILS**

### **CWSS TO SRIPERUMBUDUR TOWN PANCHAYAT & POONAMALLEE MUNICIPALITY**

1. Scheme Cost : Rs.1621.00 Lakhs
2. Beneficiaries : Municipality 1 No  
Town Panchayat 1 No
3. Populations : 78108
4. Designed Quantity : 0.90 mld
5. Head works with Source details:

Source : River Palar at Puliampakkam

Infiltration well - 8 Nos.

Diameter - 4.50 Mtr.

Depth - 6.00 Mt.

Yield - 450 lpm

Sump with Capacity Puliampackkam Head works  
2,00,000 ltrs. Capacity sump

6. Pumpset

a) Infiltration well

i) Type : Submersible Pumpset-5HP 16 Nos.(8 Nos. Standby)

ii) Duty : 450 lpm x 15 Mtr. Head

iii) Hours of Pumping : 20 Hrs.

c) Pump House

i) Type : Turbine Pumpset - 25 HP - 2 Nos.  
(One No. Stand by)

ii) Duty : 3400 lpm x 57 Mtr. Head

iii) Hours of Pumping : 20 Hrs.

7. Transmission Main :

- a) Pumping Main : 400 mm PSC 16 KSC - 4220 m  
 400 mm PSC 12 KSC - 9079 m  
 400 mm PSC 10 KSC - 4843 m  
 Total - 18142 m
- b) Gravity Main :

Reach – I from Stand post at Sirumangadu to Sriperumbudur

: 400 mm PSC 10 KSC Pipes - 10,770 m

Reach – 2 from Sriperumbudur

To Poonamallee : 400 mm PSC 10 KSC Pipes - 12,830 m

300 mm AC CL 10 Pipes - 6,840 m

250 mm AC CL 10 Pipes - 2,250 m

Total - 32,690 m

8. Booster Station : Stand post at Sirumangadu

a) OHT with Capacity : 2.00 L Lits

b) Pumpset Details : Nil

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.	Sriperumbudur TP	Sriperumbudur	4,00,000 2,00,000	21.00
2.	Poonamallee Mty	Poonamallee	7,00,000 3,00,000 – 2 Nos. 4,00,000	19.70
3.	Private	Power Grid	30,000 sump	0.30
4.	Private	TNEB Staff Quarters	5,000 sump	0.05

# FLOW DIAGRAM

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