

## **C.W.S.S. TO 890 habitations in Nagapattinam District**

- 1 **Project cost:** Rs. 9450 Lakhs.
- 2 **Beneficiaries** Municipality - 1 No.  
Town Panchayat - 2 Nos.  
Habitations - 890Nos
- 3 **Population** 486281
- 4 **Designed Quantity** 22.5 mld
- 5 **Hours of Pumping** 20 Hours
- 6 **Source** River Coleroon
- 7 **Pumpset** **Vandayar Iruppu Collector Well**
  - a) Type 60 HP - Turbine Pumpset - 3 Nos.
  - b) Duty 8687 LPM x 20 Mtr. Head**Ammayappan Collector Well**
  - a) Type 25 HP - Turbine Pumpset - 3 Nos.
  - b) Duty 4177 LPM x 18 Mtr. Head**Ammayappan Collection Sump**
  - a) Type 40 HP - Turbine Pumpset - 3 Nos.
  - b) Duty 12863 LPM x 10 Mtr. Head
- 10 **Transmission Main**
  - a) Pumping main **From Ammayappan sump to Thirumarugal**  
  
1000mm PSC 4 KSC Pipes-47765m  
  
900 mm PSC 4 KSC Pipes- 8545m
- 11 **Booster station**  
  
Booster Pumping main Details
  - 1) Booster main - I from Thirumarugal sump to Velipalayam sump - 18290 M.**
    - a)700mm PSC 6 KSC Pipe-9040 m.
    - b)700mm PSC 4 KSC Pipe-9130 m.
    - c)500mm PSC 4 KSC Pipe-120 m.
  - 2) Booster main - IA from Velipalayam Sump to Velankanni sump - 12504 M.**
    - a)350mm PSC 6 KSC Pipe-9660 m.
    - b)350mm PSC 4 KSC Pipe-30 m.
    - c)200mm AC Class-15 Pipe-814m.
  - 3) Booster main - II from Thirumarugal sump to Kilvelur Sump - 14140 M.**
    - a)500mm PSC 8 KSC Pipe-2925 m.
    - b)500mm PSC 6 KSC Pipe-11215m.

**4) Booster main - IIA from  
Kilvelur sump to Thalainayar  
Sump - 29229 M.**

- a) 500mm PSC 8 KSC Pipe - 8265 m.
  - b) 450 mm PSC 8 KSC Pipe - 5245 m.
  - c) 400 mm PSC 6 KSC Pipe - 4550 m.
  - d) 350 mm PSC 6 KSC Pipe - 6150 m.
  - e) 350 mm PSC 4 KSC Pipe - 950 m.
  - f) 250 mm AC Class 15 Pipe - 1651 m.
  - g) 200 mm AC Class 15 Pipe - 2418 m.
  - 250mm AC to 63mm PVC - 529369 M.
- 12 **Feeder Mains:**
- 13 **No of Group sump with Capacity**
- 93 Nos.
  - i) 4.0 LL cap - 3 Nos.
  - ii) 3.0 LL cap - 2 Nos.
  - iii) 2.5 LL cap - 3 Nos.
  - iv) 2.0 LL cap - 3 Nos.
  - v) 1.5 LL cap - 11 Nos.
  - vi) 1.0 LL cap - 18 Nos.
  - vii) 0.60 LL cap - 22 Nos.
  - viii) 0.30 LL cap - 18 Nos.
  - viiii) 0.10 LL cap - 13 Nos.
- 14 **Service Reservoirs with capacity**
- 5,000 lits - 02 Nos.
  - 10,000 lits - 111 Nos.
  - 18,000 Lits - 1 Nos.
  - 15,000 Lits - 4 nos
  - 30,000 Lits - 200 Nos.
  - 60,000 Lits - 48 Nos.
  - 1,00,000 Lits- 15 Nos.

**Total**                **381 nos**