

## **SALIENT DETAILS**

### **CWSS TO THUMBALAM AND 24 OTHER HABITATIONS IN THATHAIYANGARPETTAI UNION - TRICHI DISTRICT**

|       |                                |  |
|-------|--------------------------------|--|
| 1     | Scheme Cost                    | Rs.420.00 Lakhs.                         |
| 2     | Beneficiaries                  | Habitations - 25 Nos                     |
| 3     | Population                     | 33707                                    |
| 4     | Designed quantity              | 1.85 mld                                 |
| 5     | Hours of Pumping               | 20                                       |
| 6     | Head Works at Sriramasamudram  |  |
|       | Infiltration Well - 2 Nos.     | I & II                                   |
|       | Diameter                       | 4.50 m                                   |
|       | Depth                          | 5.50 m                                   |
|       | Yield                          | 1200 lpm.                                |
|       | Pumpset:                       |  |
|       | Infiltration Well              | 7.5 HP Sub 850 lpm x 15 m - (2+2)        |
| 7     | Connecting main:               |  |
|       | 200mm CI D/F Pipe              |  |
|       | Well I                         | 200 m                                    |
|       | Well II                        | 280 m                                    |
| 8     | Collection Sump and Pump Room: |  |
|       | Sump capacity                  | 1,19,000 lit.                            |
|       | Diameter                       | 7.20m.                                   |
|       | Depth                          | 3.00 m                                   |
|       | Pumproom                       | 6.0 m x 8.0 m                            |
|       | Pumpset:                       |  |
|       | Common Sump                    | 40 HP Cen. P'set 1699 lpm x 54 m (1 +1 ) |
| 9     | Pumping main:                  |  |
|       | 300 mm AC CI 15 Class Pipe     | 2290m                                    |
|       | 250 mm AC CI 15 Class Pipe     | 5622m                                    |
|       | 200 mm AC CI 15 Class Pipe     | 738m                                     |
| 10 i) | Booster Station at Serugudi    |  |
|       | Booster sump and pump room:    |  |
|       | Sump capacity                  | : 52,000 Lit.                            |
|       | Diameter                       | : 5.50m                                  |

|                                    |   |   |
|------------------------------------|---|---|
| Storage depth                      | : | 3.00m.  |
| Pumphoom                           | : | 3.0m x 5.0m.  |
| Pumpset:                           |   | 1 HP Cen.P'set 106 lpm x 20 m (1 + 1)<br>20 HP Cen.P'set 816 lpm x 44 m (1 + 1) |
| ii) Booster Station at Melur       |   |   |
| Booster sump and pump room:        |   |   |
| Sump capacity                      | : | 39,500 Lit.   |
| Diameter                           | : | 4.20m   |
| Storage depth                      | : | 3.00m.  |
| Pumphoom                           | : | 3.0m x 5.0m.  |
| Pumpset:                           |   | 20 HP Cen.P'set 498 lpm x 69 m (1 + 1)  |
| iii) Booster Station at Kennipalam |   |   |
| Booster sump and pump room:        |   |   |
| Sump capacity                      | : | 10,000 Lit.   |
| Diameter                           | : | 2.55m   |
| Storage depth                      | : | 3.00m.  |
| Pumphoom                           | : | 1.50m 2.00m.  |
| Pumpset:                           |   | 2 HP Cen.P'set 103 lpm x 15 m (1 + 1)   |
| 11 i) Booster Main - I:            |   |   |
| 200 mm AC CI 15 Class Pipe -       |   | 3450 m  |
| 150 mm AC CI 15 Class Pipe -       |   | 3270 m  |
| 90mm. OD PVC 4 KSC Pipe -          |   | 45 m  |
| ii) Booster Main - II:             |   |   |
| 150 mm AC CI 15 Class Pipe -       |   | 6045m   |
| 110mm. OD PVC 4 KSC Pipe -         |   | 2295 m  |
| iii) Branch Pumping Main:I         |   |   |
| 110mm. OD PVC 4 KSC Pipe -         |   | 4600 m  |
| 90mm. OD PVC 4 KSC Pipe -          |   | 16820m  |
| 12 Service Reservoirs              |   |   |
|                                    |   | 1.00 LL 1 No  |
|                                    |   | 0.60 LL 6 Nos   |
|                                    |   | 0.30 LL 22 Nos  |
|                                    |   | 0.10 LL 4 Nos   |

**INFILTRATION WELL - 2 Nos. AT MUSIRI  
UNDER CWSS TO THUMBALAM & 24 OTHER HABITATIONS.  
IN THATHAIYANGERPET UNION IN TRICHY DISTRICT**



# CWSS THUMBALAM & 24 OTHER HABITAION IN THATHAIYANGER PETTAI UNION FLOW DIAGRAM

