

**CWSS TO 526 RURAL HABITATIONS IN ANDIPATTY, SEDAPATTI, AND 5  
OTHER UNIONS IN THENI AND MADURAI DISTRICTS**

<b>1. Scheme Cost</b>	:	Rs. Rs. 7276 Lakhs.
<b>2. Beneficiaries</b>	:	Municipality - 1 No. Town Panchayat - 3 Nos. Habitations - 475 Nos.
<b>3. Population</b>	:	348705
<b>4. Designed Qty</b>	:	22.01mld
<b>5. Head Works</b>		
<b>a. Source</b>	:	River Vaigai (Intake Well)
<b>b. Raw water pump set</b>	:	2 Nos of 100 HP Turbine 18123 lpm x 18m
<b>c. Raw water Gravity main</b>	:	800 mm dia CI pipes - 40 m
<b>d. Treatment works</b>	:	32 mld capacity with rapid sand filters(10 units).
<b>e. Clear water Pumping main:</b>	:	600 mm dia PSC pipes - 6960 m
<b>f. Clear water pumpset</b>	:	5 Nos x 167 HP, HSC Centrifugal 6002 lpm x 88m Head (2 Nos standby) 5 Nos x 167 HP, HSC Centrifugal 6002 lpm x 88m Head (2 Nos standby) 5 Nos x 167 HP, HSC Centrifugal 6002 lpm x 88m Head (2 Nos standby)
<b>6. Hours of Pumping</b>	:	23 Hours
<b>7. Transmission main</b>	:	
<b>a. Pumping main</b>	:	700mm MS-16140 m
<b>b. Gravity Main</b>	:	MS/PSC/AC - 36375 m
<b>c. Feeder main</b>	:	325.69 Km
<b>d. Branch main</b>	:	71387 m
<b>8. Booster Stations</b>		
<b>MSR at Andipatti</b>		
capacity	:	2.00 lakh litre
Pumpset	:	Centrifugal 5 HP -2 Nos, 3 HP - 2 Nos

- At other places** :
- 1) Varadaraja Nagar – 30000 litres
  - 2) Andipatti – 2.00 lakh litre UTP
  - 3) Andipatti – 30000 litres Rural
  - 4) Thimmarasanaickanur – 60000 litres
  - 5) Edayapatti – 2.00 lakh litre
  - 6) Lingappanaickanpatti – 60000 litres
  - 7) Seemanuthu – 60000 litres
  - 8) Perumalpatti – 2.00 lakh litre
  - 9) Kanniampatti – 30000 litres
  - 10) T.Kallupatti – 2.00 lakh litres
  - 11) Kumarapuram – 30000 litres
  - 12) Peraiyur – 2.00 lakh litre
  - 13) Mangalre vilakku – 1.00 lakh litre
  - 14) Kudipatti vilaku – 30000 litres
  - 15) V.Ramasampuram – 30000 litres
  - 16) M.S.Puram – 60000 litres
  - 17) Nagamanaickanpatti – 30000 litres

**Thimmarasanaickanur**

- Capacity : 12.00 lakh litre  
Pumpset : 120HP – 8202 lpm x 51m - 3 Nos.

**9. Ridge Sump** : 12.00 LL - 1 No. (at Kanavai)

**10. Break Pressure Tank** :  
1) Vellayathevanpatti – 30000 litres  
2) Chettiyapatti – 6.00 lakh litres  
3) Elumalai vilakku – 6.00 lakh litres

**11. Service Reservoirs** : 86 Nos.

**VAIGAI DAM** **VAIGAI RIVER** **CWSS TO ANDIPATTI-SEDAPATTI IN MADURAI -THENI DISTRICT**

**FLOW DIAGRAM**  
**(QNTY FOR INT. STAGE)**

