



## TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

**COMBIENED WATER SUPPLY SCHEME TO VELLORE CORPORATION, 11 MUNICIPALITIES, 5 TOWN PANCHAYATS, 944 WAYSIDE RURAL HABITATIONS IN VELLORE DISTRICT.**



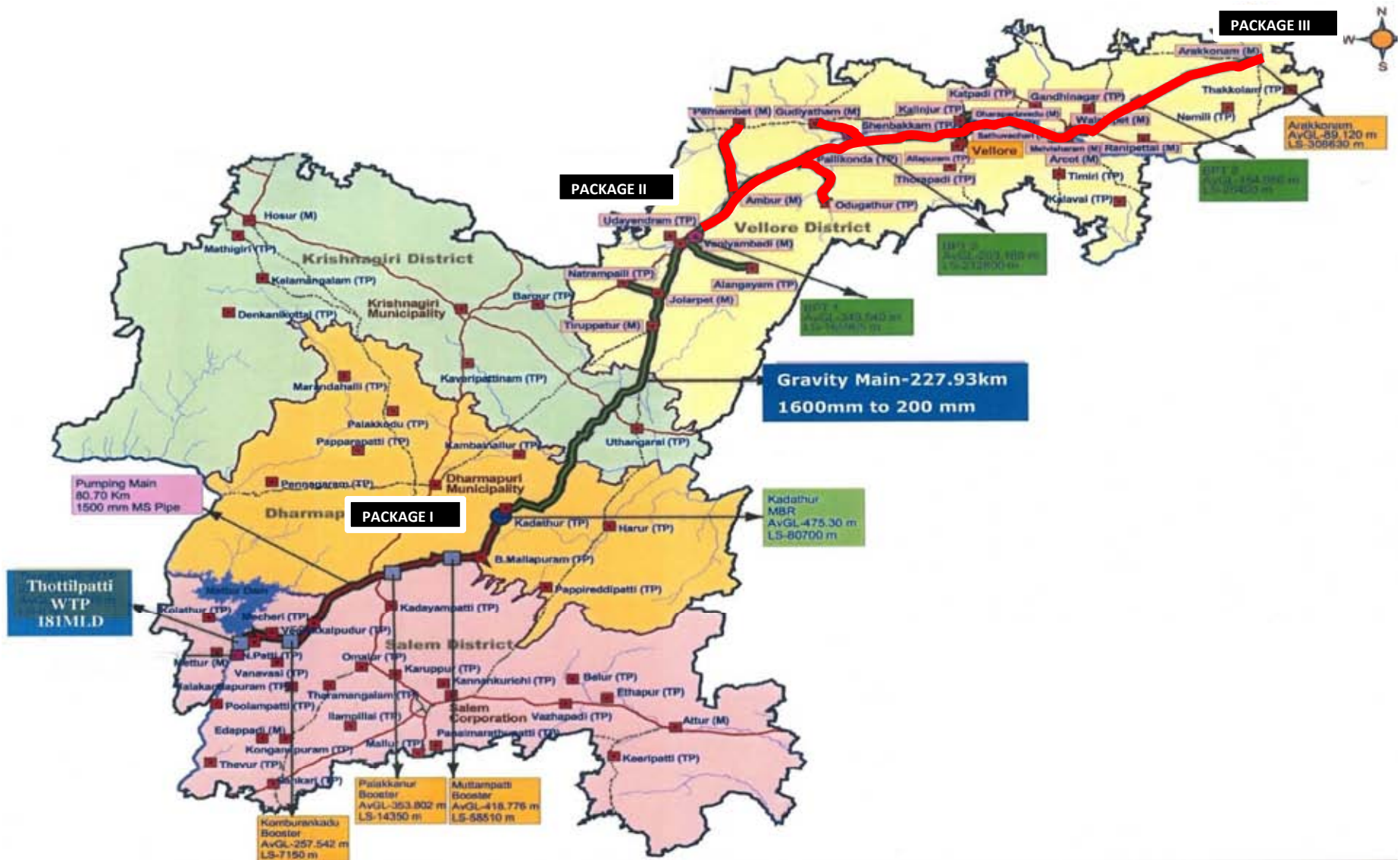






# TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

CWSS To Vellore Corporation 11 Municipalities, 5 Town Panchayats, 944 Wayside Rural Habitations In Vellore District

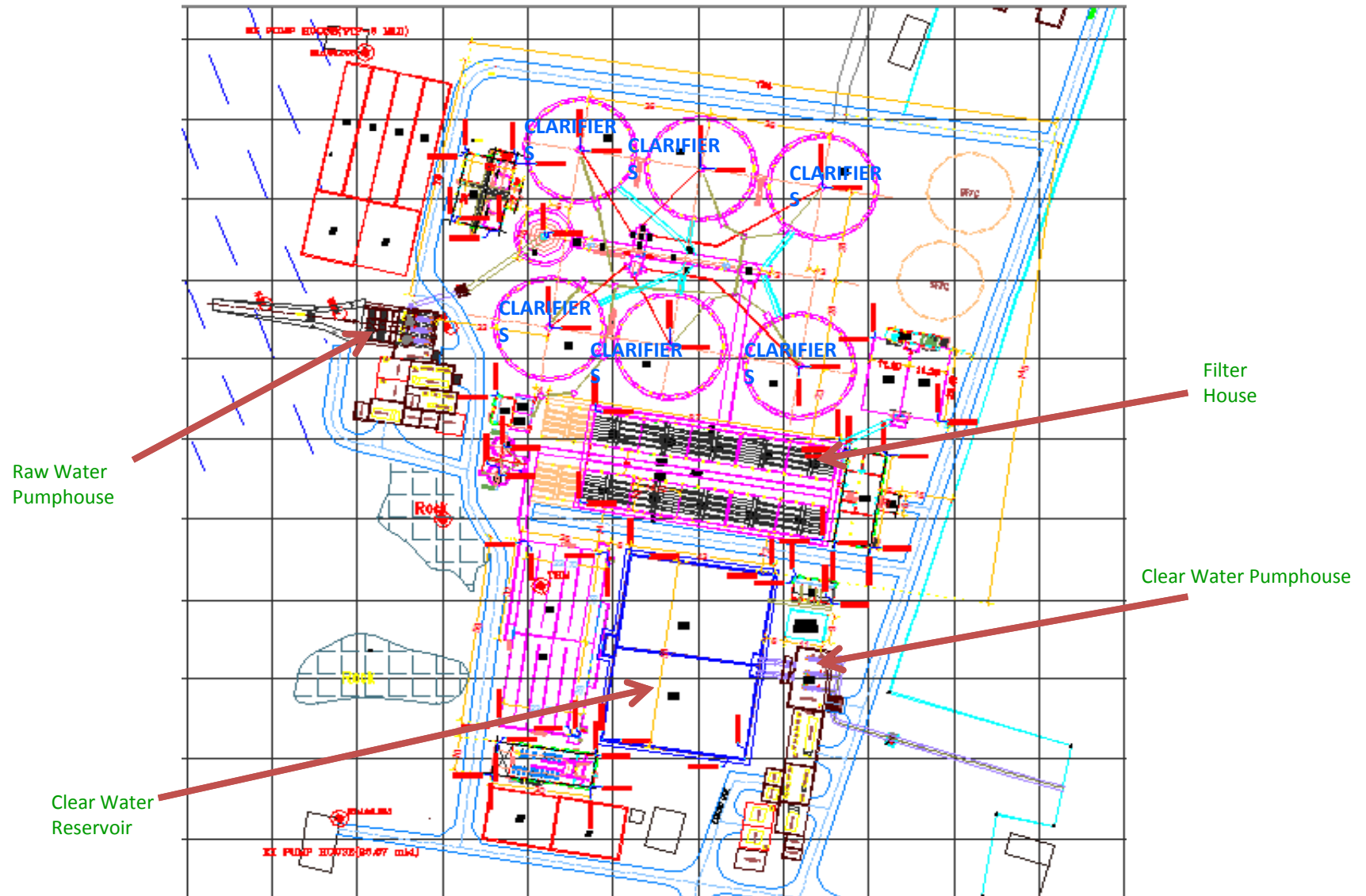




# TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

CWSS To Vellore Corporation 11 Municipalities, 5 Town Panchayats, 944 Wayside Rural Habitations In Vellore District

## WTP LAYOUT



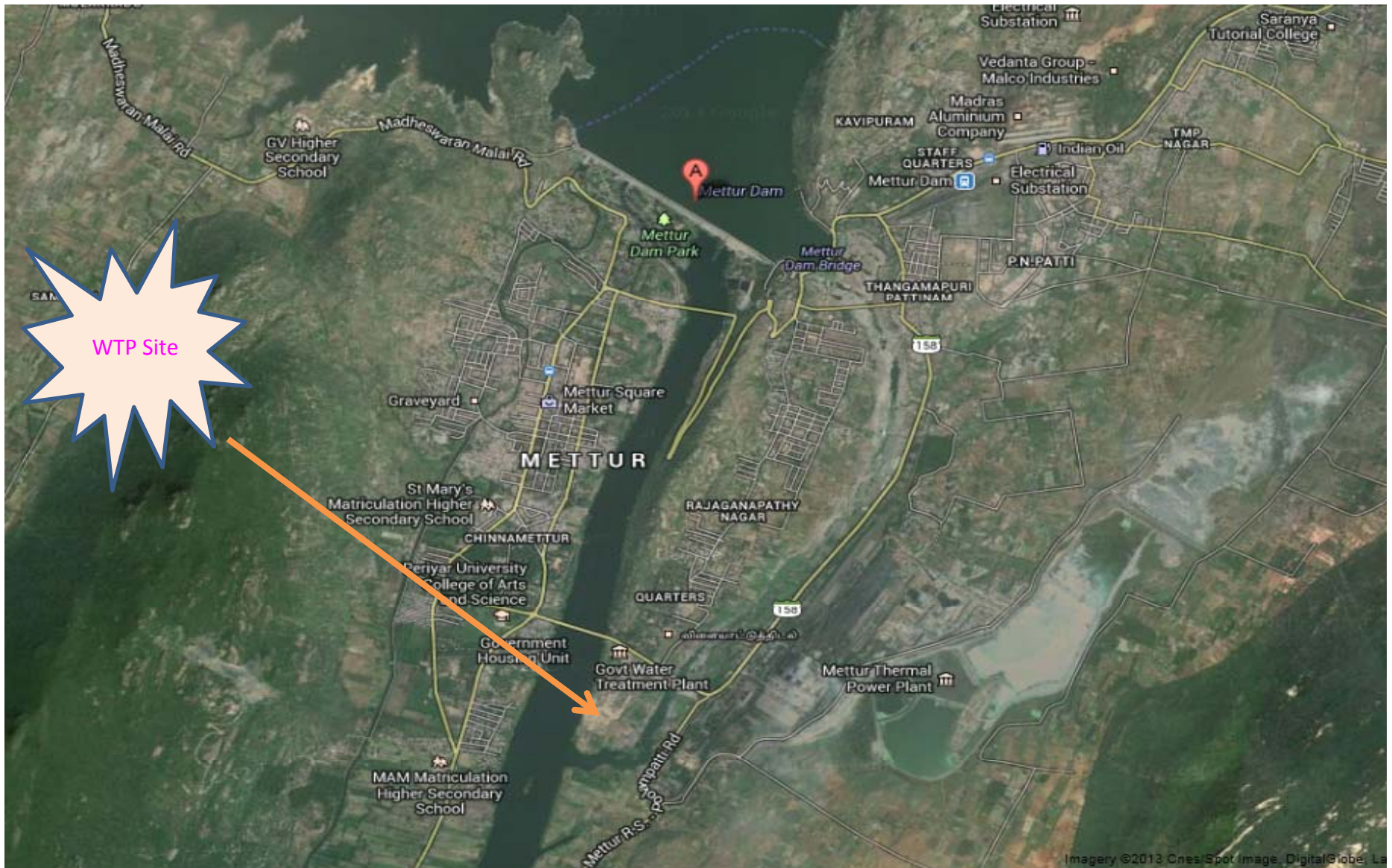




## TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

CWSS To Vellore Corporation 11 Municipalities, 5 Town Panchayats, 944 Wayside Rural Habitations In Vellore District –  
Package I

### Intake Location in River Cauvery







## TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

CWSS To Vellore Corporation 11 Municipalities, 5 Town Panchayats, 944 Wayside Rural Habitations In Vellore District  
Clarifiers







## TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

**CWSS To Vellore Corporation 11 Municipalities, 5 Town Panchayats, 944 Wayside Rural Habitations In Vellore**

**District – Package I**

**CLARIFIER AT WTP**







## TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

CWSS To Vellore Corporation 11 Municipalities, 5 Town Panchayats, 944 Wayside Rural Habitations In Vellore District –  
Package I

### Chlorine Building







## TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

**CWSS To Vellore Corporation 11 Municipalities, 5 Town Panchayats, 944 Wayside Rural Habitations In Vellore  
District – Package I**

### **CLEAR WATER RESERVOIR**





## TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

**CWSS To Vellore Corporation 11 Municipalities, 5 Town Panchayats, 944 Wayside Rural Habitations In Vellore  
District – Package I**

**CHLORINE CONTACT TANK & Treated Water Reservoir**







## TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

**CWSS To Vellore Corporation 11 Municipalities, 5 Town Panchayats, 944 Wayside Rural Habitations In Vellore**

**District – Package I**

**CLEAR WATER PUMPHOUSE**





## TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

**CWSS To Vellore Corporation 11 Municipalities, 5 Town Panchayats, 944 Wayside Rural Habitations In Vellore District – Package I**

**10LL Back Wash OHT, Blower House, Lab and Admin Office Building**







## TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

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**District – Package I**

**PIPE CARRYING BRIDGE ACROSS ELLIS SURPLUS WEIR**





## TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

**CWSS To Vellore Corporation 11 Municipalities, 5 Town Panchayats, 944 Wayside Rural Habitations In Vellore District – Package I**

### **PIPE CARRYING BRIDGE ACROSS ELLIS SURPLUS WEIR**







## TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

**CWSS To Vellore Corporation 11 Municipalities, 5 Town Panchayats, 944 Wayside Rural Habitations In Vellore District – Package I**

**CLEAR WATER RESERVOIR AT BPS II PALAKKARANUR**





## TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

**CWSS To Vellore Corporation 11 Municipalities, 5 Town Panchayats, 944 Wayside Rural Habitations In Vellore District – Package I**

**CLEAR WATER RESERVOIR AT BPS II PALAKKARANUR –CONCRETING & REINFORCEMENT UNDER PROGRESS FOR BASE SLAB**







## TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

**CWSS To Vellore Corporation 11 Municipalities, 5 Town Panchayats, 944 Wayside Rural Habitations In Vellore  
District – Package I**

**BPS 2 Pumphouse Excavation under Progress**





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**CWSS To Vellore Corporation 11 Municipalities, 5 Town Panchayats, 944 Wayside Rural Habitations In Vellore District – Package I**

**CLEAR WATER RESERVOIR AT BPS 1 at KOMBURANKADU**







## TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

CWSS To Vellore Corporation 11 Municipalities, 5 Town Panchayats, 944 Wayside Rural Habitations In Vellore

District – Package I

Pipe Line Laying







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District – Package I

### Pipe Line Laying – Hydro Testing







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**CWSS To Vellore Corporation 11 Municipalities, 5 Town Panchayats, 944 Wayside Rural Habitations In Vellore  
District – Package I**

### **Energy Savings Designs adopted**

- **Optimum Pipe size has been selected to balancing the pump head and pipe capital cost**
- **High efficiency pumps and motors have been selected**
  - **Pumps Min.89% and Motors 96%**
- **SCADA linked to all 5 pumping stations with reservoir water levels. Any one reservoir overflows, then one pump each in all upstream pump houses will shut automatically. This avoids wastage of power and water.**
- **Reservoir Inlets are designed with bottom entry and rising upto MWL with enlargers to reduce the delivery point velocity. This arrangements saves 2.50M head in each pumphouses. Total 4 Reservoirs . Net savings of 20,15,716KWh per annum**