

# SALIENT DETAILS

## KUZHITHURAIYAR CWSS IN KANYAKUMARI DISTRICT

1. Scheme Cost : Rs 400 lakhs
2. Beneficiaries
  - a ) Town Panchayat : 7 Nos
  - b ) Habitations : 46 Nos
3. Populations : 1,14,077
4. Designed Quantity : 8.412 mld
5. Head works with Source details : I. Wells 8 Nos in  
Kuzhithuraiyar river at  
Koduvanamthottam
6. Pumpset : Wells Main Pumpsets
  - a) Type : Submersible – 16 Nos Turbine - 3 Nos
  - b) Duty : 12.5HPx1548 Lpm x23m Head 150HPx6192 Lpmx77m Head
  - c) Hours of Pumping : 23 Hours  
Sump 2.50 Lakh litres
7. Treatment Plant (With Units Details) : Under Progress
8. Transmission Main :
  - a) Pumping main : 31,150m
    - Size of pipe Length
    - 1) 600mm CI 'A' cl : 930m
    - 2) 600mm PSC 12 KSC : 2680m
    - 3) 400mm AC cl.10 : 6200m
    - 4) 350mm AC cl.10 : 610m
    - 5) 300mm AC cl.10 : 4690m
    - 6) 160mm PVC Pipe to } : 16040m  
110mm PVC Pipe } : 31,150m
9. (i) Booster Station : i) Killiyoor
  - a. Sump with capacity : 2.50 Lakh liters
  - b. Pumpset details : Centrifugal  
100 HPx6482 Lpmx48m Head – 2 Nos

(ii) Booster Station at Irenipuram

Sump	:	30,000 litres
Pumpset	:	Centrifugal
		5 HPx400 Lpm x 35m Head – 2 Nos
	:	Centrifugal
		7.5 HPx400Lpm x 35mHead – 1 No

(iii) Inline Booster at Tholayavattam

Pumpset	:	Centrifugal
		12.5 HP x 600 Lpm x 40mHead-2 Nos.

10. Feeder Mains :

160mm PVC to 50mm		5 HPx400
Lpm x 35m Head – 2 Nos		
PVC pipes	:	13,180m

11. Service Reservoirs with capacity :

3.00 lakh litres OHT	:	2 Nos
2.50 lakh litres OHT	:	2 Nos
2.00 lakh litres OHT	:	2 Nos
1.00 lakh litres OHT	:	4 Nos
60000 litres OHT	:	5 Nos
50000 litres OHT	:	2 Nos
30000 litres OHT	:	7 Nos
60000 litres GL SR	:	1 No
35000 litres GL SR	:	1 No
10000 litres OHT	:	1 No

