

SALIENT DETAILS

CWSS TO NAMATHODU - CHETPET TP & 22 OTHER HABITATIONS IN PERNAMALLUR UNION OF THIRUVANNAMLA DISTRICT

1. Scheme Cost : Rs.785.00 Lakhs
2. Beneficiaries : Town Panchayat – 1 No.
Habitations – 23 Nos.
3. Population : 28546
4. Total Daily Requirements : 1.402 mld
5. Head works with source details : I.W. 4 Nos in Cheyyar River

<u>Dia</u>	<u>Depth</u>	<u>Yield</u>
3.50m	8.50m	750 lpm
3.50m	8.50m	750 lpm
3.50m	7.50m	750 lpm
3.50 m	8.50 m	750 lpm

- Raw water main : 150 CI D/F - 1563m
140PVC 4 KSC 1203m
Total 2766 m

- Head works Sump : 1.00 LL cap.

6. Pumpsets :
- a) Type Raw Water : 8 Nos 7.5 HP Submersible
(740 lpm x 26m) including stand
by
- b) Duty Clear Water : 2 Nos 50 HP HSC Centrifugal
(2960 lpm x 45) including
standby
- c) Hours of Pumping : 16 Hours

7. Transmission Main :

a) Pumping main :

350	PSC	10 KSC	9800
250	CI	LA	950
250	AC	CL.15	13966
250	CI S/S	CL.15	141
150	AC	CL 15	1727
150	CI D/F	LA	911
140	PVC	4KSC	6219
125	GI	B	71.50
100	GI	B	87.05
110	PVC	4 KSC	4674.6
90	PVC	4KSC	4249
80	GI	B	68
TOTAL			42864.15

8. Booster station :

a) Sump with Capacity : 1.00 LL Cap.
 b) Pump set details :

Alliyandhal	Thatchampattu
30 HP centrifugal HSC 1865 lpm x 43m) 2 Nos.	20 HP HSC Centrifugal 1445x 34 m -2 Nos
15 HP Centrifugal HSC 714 lpm x 43 - 2 Nos.	7.50 HP HSC Centrifugal 420 lpm x 34 m.- 2 Nos.
5 HP Centrifugal HSC 420 lpm x 28 m -2 Nos.	-

9. Feeder mains : 90mm PVC 1.98 kms

10. Service Reservoirs with capacity :

Location	Capacity in Litres
Mandagapallam	10,000
Marakanam	30,000
Kullampuravadai	30,000
Namathodu Colony & Thalarampattu	60,000
Namathodu	60,000

Konamangalam	30,000
Anathamangalam Colony	30,000
Anathamangalam & Kolathur	1,00,000
Alliyandal	60,000
Alliyandal Colony	60,000
Velamedu	10,000
Injimedu	30,000
Injimedu Colony	30,000
Thalarapadi	30,000
Peranampakkam	30,000
Thachampattu	30,000
Nedungunam Colony	60,000
Nadungunam	1,00,000
Periyar Nagar Chetpet RTP	60,000
J.J. Nagar	30,000
Amman Nagar	30,000
Pazhampettai	3,00,000
Chetpet	2,00,000
Arunthathiyar Palayam	60,000
Nirmala Nagar	60,000
Kannanur	60,000
TOTAL	26 SRS