

## **CWSS TO ATHIPATTU AND 48 OTHER HABITATIONS IN MINJUR UNION**

1. Scheme cost : Rs 314.50 Lakhs  
2. Beneficiaries : Habitations – 49Nos.  
3. Population : 22302  
4. Designed quantity : 0.82mld  
5. Head Works  
6. Source details : Bore wells – 5Nos.

7. Pumpsets:

S.No	source	size in mm	Depth in m	Yield in lpm	Pump set Details
1.	BW1	200	42	515	7.5 HP Sub- 342 lpm x 50 m
2.	BW2	200	42	1150	12.5 HP Sub- 732 lpm x 60 m
3.	BW3	200	42	90	3 HP Sub- 58 lpm x 60 m
4.	BW4	150	60	142	5 HP Sub- 100 lpm x 60 m
5.	BW5	150	60	120	3 HP Sub- 75 lpm x 60 m

8. Hours of pumping : 20 Hours

9. Sump cum Pump Room :

Sump Capacity : 1.00 lakh Litres – 1 No (6.0 m dia & 4.20 m Depth)

Pump set : 12.5 HP Centrifugal -2 Nos (1 No stand bye)

Duty : 1132 lpm x 26 m Head

10. Transmission main

a) Pumping main :

i) Vannipakkam to Nandhiyambakkam sump:

200 mm AC Class 15 pipes- 11640 m

ii) Pumping Main to Athipattu sump :

140 mm PVC pipe 6 ksc : 415 m

140 mm PVC pipe 4 ksc : 2200 m

iii) Pumping Main to Vellivoyal chavadi sump :

140 mm PVC pipe 4 ksc : 5413 m

11. Booster station :

a) Sump with capacity

i) Nandhiyambakkam booster station

(a) Sump Capacity : 0.80 lakh Litres – 1 No (6.5 m dia. & 3.1 m Depth)

(b) pump set details :

For Athipattu sump : 10 HP Centrifugal - 2 Nos (1 No stand bye)

Duty : 697 lpm x 36 m

For 10 Habitations: 6 HP Centrifugal - 2 Nos (1 No stand bye)

Duty : 435 lpm x 28 m

ii) Athipattu Booster station :

(a) Sump Capacity : 0.5 lakh litres – 1 No (4.1 m dia. & 3.9 m Depth)

(b) pump set details :

For Vellivoyalchavadi sump : 5HP Centrifugal -2 Nos.

(1 No. stand bye)

Duty : 375 lpm x 17 m Head

For 12 Habitations : 5HP Centrifugal -2 Nos (1 No stand bye)

Duty : 322 lpm x 20 m Head

iii) Vellivoyal chavadi booster Station :

(a) Sump Capacity : 0.3 lakh litres – 1 No (3.8 m dia & 2.65 m Depth)

(b) pump set details :

For 7 Habitations : 2 HP Centrifugal -2 Nos (1 No stand bye)

(To Vellivoyalchavadi) Duty : 84 lpm x 22 m Head

For 12 Habitations: 2 HP Centrifugal -2 Nos (1 No stand bye)

(To Edayanchavadi) Duty : 138 lpm x 25 m Head

For 8 Habitations : 2 HP Centrifugal -2 Nos (1 No stand bye)

(To S.R.Palayam) Duty : 138 lpm x 25 m Head

12. Feeder mains : 12.54 km

13. Service Reservoirs with capacity :

Sl. No.	Name of Panchayat	Name of Habitation	OHT capacity (in litres)
1	Nandiambakkam	Nandiambakkam	1,00,000
2	Nandiambakkam	Anna Nagar	30,000
3	Nandiambakkam	Nandiambakkam colony	1,00,000
4	Nandiambakkam	Thalayaripalayam	
5	Nandiambakkam	Gongiamman Nagar	30,000

6	Nandiambakkam	Rajiv Gandhi Nagar	30,000
7	Melur	Melur	60,000
8	Melur	Bharathi Nagar	
9	Melur	Melur Colony	30,000
0	Melur	Melur mettu colony	
11	Athipattu	Sri devi Nagar	1,00,000
12	Athipattu	Indira Nagar	
13	Athipattu	Geetha Nagar	
14	Athipattu	Reddy Palayam	30,000
15	Athipattu	Balaji Nagar	30,000
16	Athipattu	Athipattu	30,000
17	Athipattu	Balamedu	60,000
18	Athipattu	Karumariamman Nagar	
19	Athipattu	Athipattu colony	1,00,000
20	Athipattu	Nethaji Nagar	1,00,000
21	Athipattu	Varadharaju Nagar	
22	Athipattu	Kalaingar Nagar	
23	Edayanchavadi	Edayanchavari	60,000
24	Edayanchavadi	Pudu Napalayam	30,000
25	Edayanchavadi	Thulasi Nagar	
26	Edayanchavadi	New Colony	10,000
27	Edayanchavadi	Old Napalayam Colony	
28	Edayanchavadi	Old Napalayam	30,000
29	Edayanchavadi	Vadugapalayam	

30	Edayanchavadi	Lakshmi Nagar	
31	Edayanchavadi	Chinna Ethankuzhi	30,000
31	Edayanchavadi	Kannikoil medu	30,000
32	Edayanchavadi	Periya Echankuzhi	
33	Edayanchavadi	Ponnamman Nagar	30,000
35	Vellivoyal chavadi	Vellivoyal chavadi	
36	Vellivoyal chavadi	Durgan colony	30,000
37	Vellivoyal chavadi	Ekkal colony	30,000
38	Vellivoyal chavadi	Krishna Nagar	30,000
39	Vellivoyal chavadi	Thakkan Colony	30,000
40	Vellivoyal chavadi	Kattanur colony	30,000
41	Vellivoyal chavadi	Thirumurthy Nagar	10,000
42	Kondakarai	Kondakarai	30,000
43	Kondakarai	Kuruvimedu	30,000
44	Kondakarai	Goundarpalayam	60,000
45	Subba Reddy Palayam	Subba Reddy Palayam	
46	Subba Reddy Palayam	Subba Reddy Palayam colony	60,000
47	Subba Reddy Palayam	Angalaparameswari Nagar	30,000
48	Subba Reddy Palayam	Pallipuram	30,000
49	Subba Reddy Palayam	Pallipuram Colony	30,000

# CWSS TO ATHIPATTU AND 48 OTHER HABITATIONS IN MINJUR UNION OF THIRUVALLUR DISTRICT

