

CWSS TO PULICUT AND 22 OTHER HABITATIONS IN MINJUR UNION

1. Scheme cost : Rs 42.30 Lakhs
2. Beneficiaries : Habitations – 23Nos.
3. Population : 27035
4. Designed quantity : 1.08mld
5. Head Works with source details :

GROUP I - MOONGILPUDUR

S.No	source	size in mm	Depth in m	Yield in lpm	Pump set Details
1.	BW1	150	41	200	7.5 HP Sub- 150 lpm x 60 m
2.	BW2	150	43	150	5 HP Sub- 150 lpm x 50m
3.	BW3	150	39	200	5 HP Sub- 150 lpm x 50m

GROUP II - VEMBEDU

S.No	source	size in mm	Depth in m	Yield in lpm	Pump set Details
1.	BW1	150	45	200	5 HP Sub- 150 lpm x 50 m
2.	BW2	150	40	200	5 HP Sub- 150 lpm x 50m
3.	BW3	150	39	200	5 HP Sub- 150 lpm x 50m

GROUP III - PULICUT

S.No	source	size in mm	Depth in m	Yield in lpm	Pump set Details
1.	BW1	200	41	200	3 HP Sub- 150 lpm x 50 m
2.	BW2	200	43	200	3 HP Sub- 150 lpm x 50m
3.	BW3	150	44	200	5 HP Sub- 200 lpm x 50m
4.	BW4	150	47	200	5 HP Sub- 150 lpm x 60m
5.	BW5	150	52	135	5 HP Sub- 150 lpm x 60m
6.	BW6	150	56	135	3 HP Sub- 75 lpm x 60m
7.	BW7	150	52	135	3 HP Sub- 75 lpm x 60m

(c) Hours of pumping :

Group – I : 12 Hours

Group – II : 12 Hours

Group – III : 16 Hours

6. Sump :

HEADWORKS AT MOONGILPUDUR

Sump Capacity : 30.000 Litres – 1 No (4.0m dia & 2.5m Depth)

Pump set : 5 HP Centrifugal -2 Nos (1 No stand by)

Duty : 300 lpm x 25 m Head

HEADWORKS AT VEMBEDU

Sump Capacity : 30.000 Litres – 1 No (4.0m dia & 2.5m Depth)

Pump set : 5 HP Centrifugal -2 Nos (1 No stand by)

Duty : 400 lpm x 30 m Head

HEADWORK'S AT MEDUR

Sump Capacity : 60.000 Litres – 1 No (5.25 m dia & 2.5m Depth)
Pump set : 15 HP Centrifugal -2 Nos (1 No stand by)
Duty : 900 lpm x 50 m Head

7. Transmission main

a) Pumping main :

(i) Moongkilpudur to polachiammankulam sump

140 mm PVC pipe – 9000m

(ii) Vembedu to Thirupalaivanam sump

110 mm PVC pipe – 6000m

(iii) Medur to Pulicut

200 mm AC Class 10 pipe- 327m

180 mm HDPE pipe 6 KSC – 12533m

8. Feeder mains : 35 km

9. No. of Group sumps with capacity : 3Nos.

(a) Pllachiammankulam sump :

Sump Capacity : 30.000 Litres – 1 No (4.0m dia & 2.5m Depth)

(i) pump set : 3 HP Centrifugal - 1 No to piraliambakkam line

Duty : 250 lpm x 25 m Head

(ii) pump set : 3 HP Centrifugal - 1 No to Pakkam line

Duty : 250 lpm x 25 m Head

(b) Thirupalaivanam sump :

Sump Capacity : 30.000 Litres – 1 No (4.0m dia & 2.5m Depth)

(i) pump set : 3 HP Centrifugal - 1 No to Thirupalaivanam line

Duty : 250 lpm x 25 m Head

(ii) pump set : 3 HP Centrifugal - 1 No to Thottimedu line

Duty : 250 lpm x 25 m Head

(iii) pump set : 5 HP Centrifugal - 1 No stand by

Duty : 250 lpm x 35 m Head

(c) Sump at Pulicut (Old)

Sump Capacity : 20.000 Litres – 1 No (3.2 m dia & 2.5m Depth)

(i) pump set : 5 HP Centrifugal - 2 Nos

Duty : 200 lpm x 35 m Head

(d) Sump at Pulicut (New) (Under Improvement scheme)

Sump Capacity : 30.000 Litres – 1 No (4 m dia & 2.5m Depth)

(i) pump set : 3 HP Centrifugal - 2 Nos (1 No stand by)- kottai
kuppam line

Duty : 350 lpm x 25 m Head

(ii) pump set : 3 HP Centrifugal - 2 Nos (1 No stand by)- T.
Perumkulam line

Duty : 350 lpm x 25 m Head

10. Service Reservoirs with capacity :

Sl. No.	Name of Panchayat	Name of Habitation	OHT capacity (in litres)
1	Thirupalaivanam	Thirupalaivanam	60,000

2	Thirupalaivanam	Thirupalaivanam Colony	60,000
3	Thirupalaivanam	Kanchivayal And Colony	30,000
4	Sirulapakkam	Sirulapakkam	30,000
5	Sirulapakkam	Thottimedu	60,000
6	Kolur	Puducherry medu	60,000
7	Piralayambakkam	Piralayambakkam	60,000
8	Piralayambakkam	Polachiammankulam	60,000
9	Piralayambakkam	Kammalamadam	10,000
10	Averivakkam	Averivakkam and Colony	30,000
11	Averivakkam	Pakkam & Colony	60,000
12	Averivakkam	Kilkuppam	30,000
13	Averivakkam	Kanavanthurai	30,000
14	Medur	Bharathi Nagar	30,000
15	Pulicut	Pulicut	1,00,000, 60,000
16	Pulicut	Edamani	30,000
17	Pulicut	Pachiavaram	30,000
18	Pulicut	Kolathumedu	30,000
19	Thangal perumbulam	Thangal perumbulam	30,000
20	Thangal perumbulam	Edayankulam And Colony	30,000
21	Kottaikuppam	Kottaikuppam	1,00,000, 60,000
22	Kottaikuppam	Thoniravu	1,00,000
23	Kottaikuppam	Zameelabad	60,000

