

C.W.S.S. to 101 Rural habitations in Karur and K.Paramathi

1. Installation cost	:	Rs.468.90Lakhs
2. Beneficiaries	:	Habitations - 101 Nos.
3. Population	:	31972
4. Designed Quantity	:	1.40mld
5. Headworks		
Source	:	Cauvery River Collector well
Pumpset	:	125 HP Vertical Turbine - 5050lpmx 83m-3 Nos. (2 Nos. in parallel and 1 No. Stand by)
6. Pumping Hours	:	20 Hours
7. Pumping Main	:	From Head works to Sump at Nathamedu 200 mm CI LA Class - 3450 m
8. Boosters		
At Nathamedu	:	Sump : 1, 50,000 Lit.
At Athipalayam Pudur	:	Group Sump: 1, 50,000 Lit.
At Pudur	:	Group Sump: 30,000 Lit.
At Karveli	:	Group Sump: 10,000 Lit.
At Chathiram	:	Sump : 5, 00,000 Lit.
At Karudayampalayam	:	Group Sump: 60,000 Lit.
At Indiranagar	:	Group Sump: 30,000 Lit.
At Nadupalayam	:	Stand Post : 30,000 Lit.

9. Booster Main and Gravity Main

a. Nathamedu to Chathiram Sump :

200 mm AC CL 15	-	3690 M
150 mm AC CL 15	-	1080 M
Total		4770M

b. Nathamedu to Athipalayam Pudur Sump :

110 mm 6 KSC	-	5187 M
110 mm 4 KSC	-	2840 M
Total		8027 M

c. Athipalayam Pudur to Pudur Sump :

110 mm 6 KSC PVC	-	1080 M
110 mm 4 KSC PVC	-	4087 M
63 mm 4 KSC PVC	-	217 M
Total		5384 M

d. Pudur Sump to Karveli Sump :

110 mm 6 KSC PVC	-	2897 M
75 mm 4 KSC PVC	-	1035 M
63 mm 4 KSC PVC	-	4507 M
Total		8439 M

e. Chathiram sump to Karudayampalayam Sump :

140 mm 6 KSC PVC	-	1620 M
140 mm 4 KSC PVC	-	6238 M
63 mm 4 KSC PVC	-	3987 M
Total		11845 M

f. Karudayampalayam to Molapalayam :

140 mm 6 KSC PVC	-	716 M
110 mm 6 KSC PVC	-	1944 M
110 mm 4 KSC PVC	-	3110 M
90 mm 4 KSC PVC	-	385 M
63 mm 4 KSC PVC	-	2902 M
100 mm GI	-	72 M
Total		9129 M

CWSS TO 101 HABITATIONS IN KARUR ,K.PARAMATHY UNIONS STAGE-II PART 1

FLOW DIAGRAM

