

SALIENT DETAILS

CWSS TO MANAPPARAI MUNICIPALITY AND 50 OTHER WAYSIDE HABITATIONS IN TIRUCHI AND KARUR DISTRICTS

1 Scheme Cost	RS10.19 crores
2 Beneficiaries	Municipality - 1 No, Habitations - 52 Nos
3 Population	82227
4 Designed Quantity	5.83 mld
5 Hours of Pumping	20
6 Head Works @ Manathattai	6M Dia Collector Well with Radial Arms 255.6 M in River Cauvery, depth -11.00m
Pumpsets at Head works	90 HP Turbine –2Nos(100% Stand bye) 4804 lpm x 53M
7 Pumping Main	Head Works To Kuppachipatty sump 400 MM CI LA Pipes: 600 m 400 mm AC CI 15 pipe 2760 m 400 mm AC CI 10 pipe 10210 m Total 13570 m
8 i) Booster Station I	Kuppachipatty

	a) Pumpset	60 HP Cent. – 2 Nos (100% Stand by) 4377 lpm x 41 m
	b) Sump	Dia-9.5 M, Cap-2.00 LL, storage depth-3.00m Pump room 12 x 6 m
ii)	Booster Station II	Kalugur
	a) Sump	Dia-9.5 M, Cap-2 LL, storage depth-3.00m
	b) Pumpset	75 HP Cent. – 2 Nos (100% Stand by) 4045 lpm x 53 m
	c) Pump set	90 HP HSC – 3 Nos (50% Stand by) 6266 lpm x 41 m Pump room 12 x 6 m
iii)	Booster Station III	Chinnareddipatti
	a) Sump	Dia -24 M, cap-13 LL, storage depth-3.50m
	b) Pump	40 HP HS Cent. - 2 Nos (100 % Stand by) 3646 lpm x 29 M Pump room 12 x 6m
9 i)	Booster Main I	Kuppachipatty to Kalugur 350 mm dia AC CL 15 - 470 m 350 mm dia AC CL 10 - 8480 m Total 8950 m

ii) Booster Main II	Kalugur to Chinnareddipatti
	350 mm dia AC pipes CL 15 - 2210m
	351 mm dia AC pipes CL 10 - 6955 m
	Total 9165 m
iii) Booster Main III	Chinnareddipatti to Theerampatti SR
	350 mm dia AC CL 10 - 7935m
	250 mm dia AC CL 10 - 3245 m
	Total 9165 m

10 Group sumps and pumpsets

Location

i) Ayyarmalai	0.9 LL
a)Sump	15 HP cent 300 lpmx20M
b)Pumpset	
ii) Manachanampaatti	
a)Sump	0.3 LL
b)Pumpset	2 HP Cent. 50 lpm x 15 m
iii) Thelungapatti	
a)Sump	0.12 LL
b)Pumpset	3 HP Cent. 50 lpm x 20 m

Branch Pumping Main	350 mm AC Cl.10 Pipe:	1610 m
	300 mm AC Cl.10 Pipe:	2180 m
	140 mm PVC 4 Ksc Pipe:	6418 m
	90 mm PVC 4 KSC pipe -	12242 m
	75 mm PVC 4 KSC -	6690 m
	63 mm PVC 4 KSC Pipe:	19790 m
	50 mm PVC 6 Ksc Pipe:	43018 m
	Total	90925 m

11 Service Reservoirs	10000 Litres	: 21 Nos
	5000 Litres	: 1 No
	30000 Litres	: 14 Nos
	60000 Litres	: 5 Nos
	100000 Litres	: 4 Nos
	300000 Litres	: 1 no
	400000 litres	: 2 nos
	500000 litres	: 1 no
	900000 litres	: 1 no
	Total	: 50 Nos

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FLOW DIAGRAM



