

Salient Details

CWSS TO PALLAPATTY AND ARAVAKURICHI TOWN PANCHAYATS

1. Installation cost	:	Rs. 1721 Lakhs
2. Beneficiaries	:	Town Panchayats - 2 Nos.
3. Population	:	39835
4. Designed Quantity	:	4.46mld
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	:	22.25 Hours
7. Pumping Main	:	From Head works to Sump at K.Paramathy
		600 mm M.S. 135.00 m
		600 mm PSC / 16 KSC 2831.80 m
		600 mm PSC / 14 KSC 2099.00 m
		600 mm PSC / 12 KSC 2843.50 m
		600 mm PSC / 8 KSC 2549.40 m
		600 mm PSC / 6 KSC 1021.50 m
		600 mm PSC / 4 KSC 2330.65 m
		Total 13810.85 m

8. Booster

At K.Paramathy

Sump	:	7.63 Lakh Lit.
Pumpset	:	HSC Centrifugal pumpsets 35 HP – 3095 lpm x 33 m - 3 Nos. (2 in parallel and 1 as standbye)

At Aravakurichi

Sump : 4.60 Lakh Lit.

Pumpset : HSC Centrifugal monobloc pumpsets
40 HP – 3535 lpm x 29.00 m - 2 Nos.
(1 No. standby)

At Care Nagar

Sump : 1.50 Lakh Lit.

9. Booster main

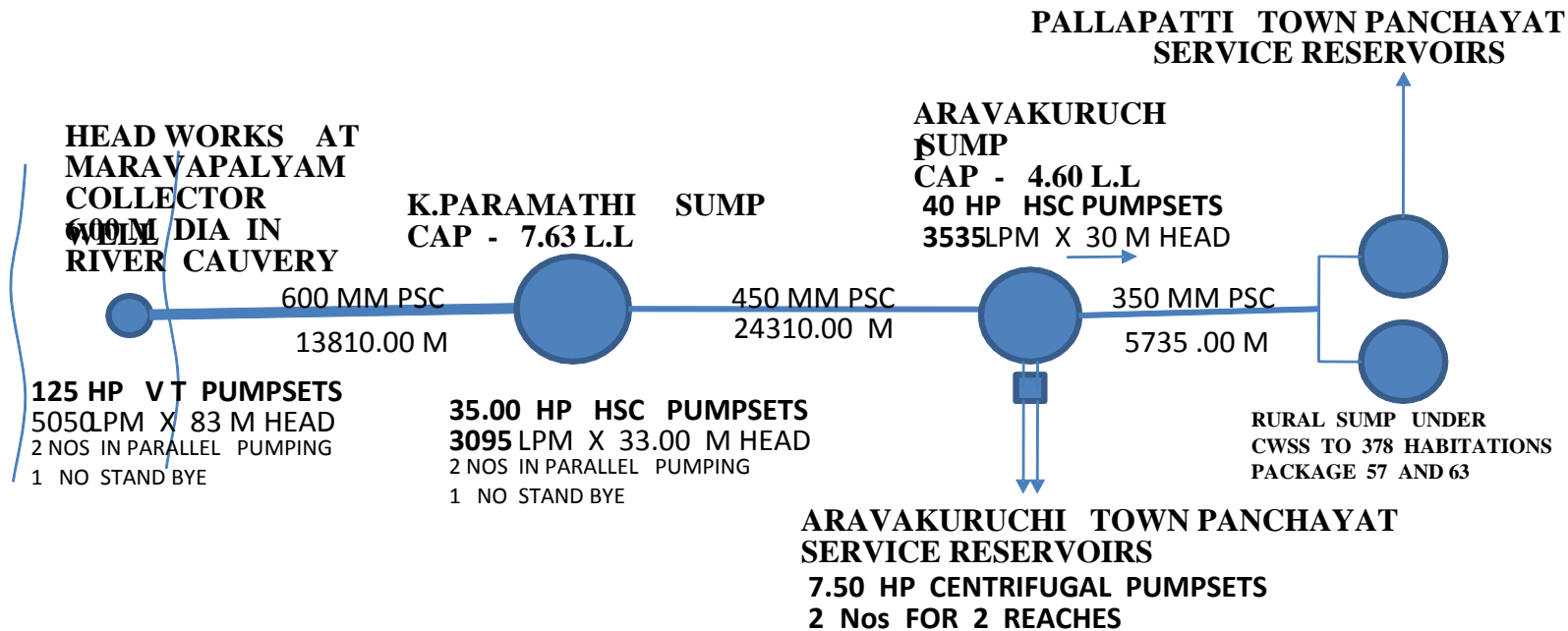
I. Booster Main I from
K.Paramathy to sump
at Aravakurichi
Reach II

450 mm PSC / 8 KSC	2650.00 m
450 mm PSC / 6 KSC	21660.00 m
Total	24310.00 m

II. Booster main II from
Aravakuruchi sump to
Care nagar Sump
(Pallapatty T P)

350 mm PSC 8 KSC	4285.00 m
350 mm PSC 6 KSC	1415.00 m
350 mm PSC 4 KSC	35.00 m
Total	5735.00 m

**CWSS TO PALLAPATTI AND ARAVAKURUCHI TOWN PANCHAYAT IN KARUR DISTRICT
STAGE I FLOW DIAGRAM**



REACH I
 150 MM DAV - 13.00 Nos.
 250 MM Scour Valve - 7.00 Nos
 400 MM Sluice Valve - 7.00 Nos

REACH I
 100 MM DAV - 23.00 Nos.
 250 MM Scour Valve - 10.00 Nos
 300 MM Sluice Valve - 11.00 Nos

REACH II
 80 MM DAV - 10.00 Nos.
 250 MM Scour Valve - 2.00 Nos
 350 MM Sluice Valve - 2.00 Nos