

SALIENT DETAILS
CHENNIMALAI CWSIS (EXISTING CWSS TO PERUNDURAI & K.C.PALAYAM)

1. Scheme Cost : Rs.2494.83 Lakhs
2. Beneficiaries :
Name of Panchayat : No. of Habitations
 - a) Chithode UTP : 1
 - b) Gangapuram VP : 1
 - c) Nasiyanur RTP : 1
 - d) Thiruvatchi VP : 14
 - e) K.C.Palayam RTP : 1
 - f) Perundurai RTP : 1
 - g) Sullipalayam VP : 5
 - h) Mugasipidariyur VP : 35
 - i) Ottaparai VP : 14
 - j) Chennimalai UTP : 1

Total : 74
3. Population : 145230
4. Designed Quantity : 12.27 mld
5. Head works with Source : Surface water in River Cauvery collection
details : well dia 6m dia - 2 Nos. Near
Konavaikkal.
6. Pumpset :
 - a) Type : Vertical turbine Pumpset
 - b) Duty : a) 40HP - 3804 LPM x 24m Head - 2Nos.
b) 40HP - 3039 LPM x 37m Head - 3Nos.
 - c) Hours of Pumping : 23 Hours
7. Treatment Plant (with Units Details)
 - a) Location : Konavaikkal, SF.No.47/1B of
Sooriampalayam Village

- b) Capacity : 19.38MLD (14.38 MLD + 5.00MLD - existing)
- c) Rapid Sand Filter Beds : a) 2Nos. - 2.45M x 3.40 M
b) 4Nos. Twin type - 6M x 4.50M
- d) Clear water sump : 8.00 LL
- e) Pump room : 12M x 8M
- f) Pumpsets details : 150HP HSC - 4706 lpm x 80m head -
3Nos.

8 Transmission Main

- a) Pumping Main : 82146 M
- b) Gravity Main : -

9. Booster Station :

- a) Sump Location with capacity : i) 8.00 LL at Gangapuram
ii) 6.00 LL at Vavikadai
iii) 8.00 LL at K.C.Palayam
iv) 0.60 LL at Perundurai
v) 0.10 LL at Velliampalayam
vi) 0.60 LL at MPN Colony
vii) 0.30 LL at Melapalayam
viii) 0.10 LL at Poonga Nagar

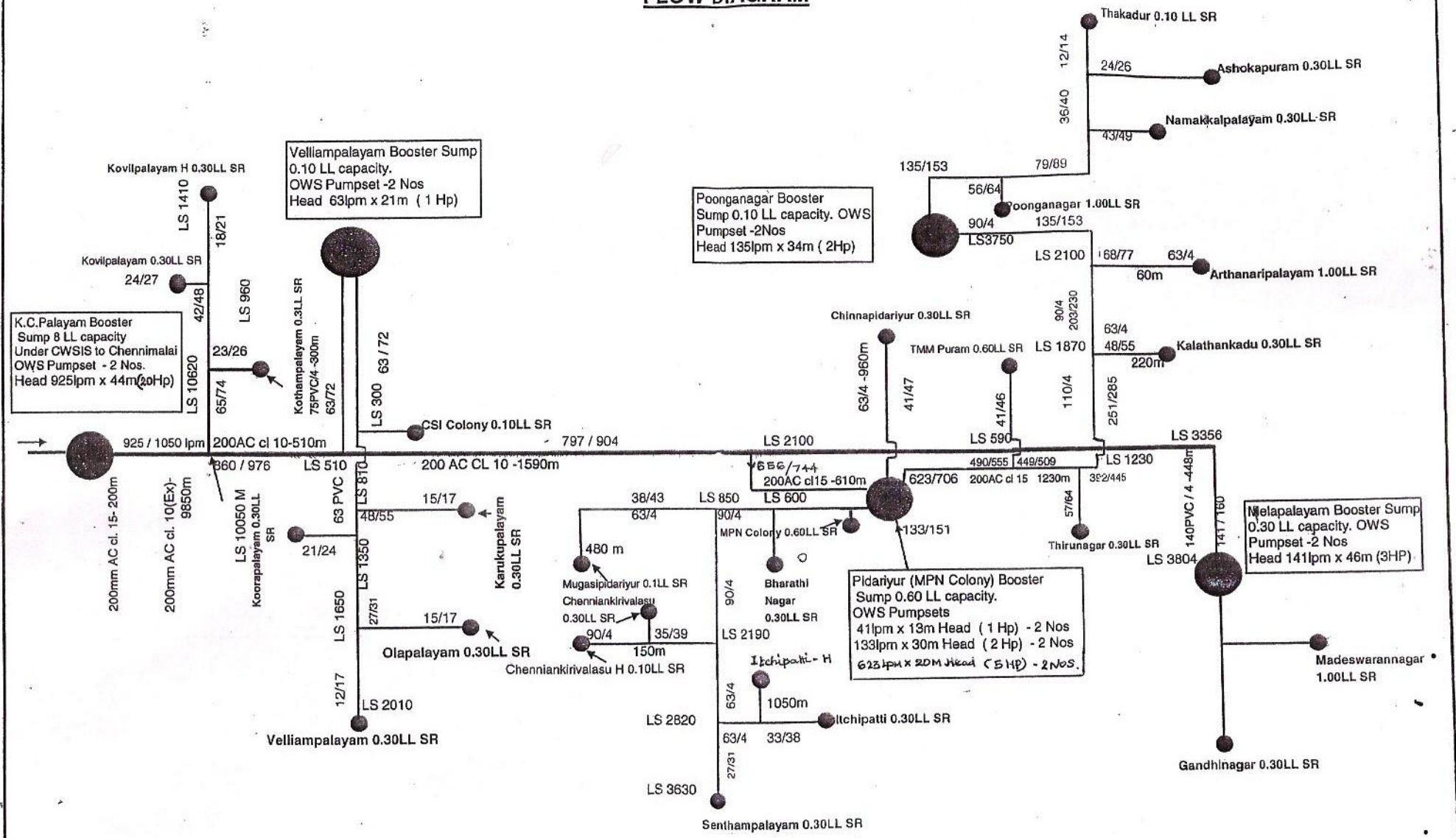
b) Pumpset Details :

- i) At Gangapuram : 100HP Hsc - 4341 lpm x 64m - 3Nos.
- ii) At Vavikadai : 50HP Hsc - 3740 lpm x 38m - 3Nos.
- iii) At K.C.Palayam : a) 30 HP OWS to Chennimalai SR -
1931 lpm x 36m - 2Nos.
: b) 20 HP OWS to Sanitorium SR -
1697 lpm x 38m - 2Nos.
: c) 10 HP OWS to Thottiseelampatti SR -
679 lpm x 39m - 2Nos.
: d) 15 HP OWS to LLSR at K.C.Palayam -
799 lpm x 45m - 2Nos.
: e) 20 HP OWS to Perundurai Sump -
1569 lpm x 32m - 2Nos.
: f) 20 HP OWS to Melapalayam Sump -
925 lpm x 43m - 2Nos.

iv)	At Perundurair	:	10 HP OWS - 519 lpm x 45m - 2Nos. to Kadappamadai SR
v)	At Velliampalayam	:	1 HP OWS - 63 lpm x 21m - 2Nos.
vi)	At MPN Colony	:	a) 5HP OWS to Poonga Nagar Sump 623 lpm x 20m - 2Nos. b) 2HP OWS to Senthampalayam SR 133 lpm x 30m - 2Nos. c) 1HP OWS to Chinnapidariyur SR 41 lpm x 13m - 2Nos.
vii)	At Melapalayam	:	3HP OWS to Gandhi Nagar SR 141 lpm x 46m - 2Nos.
viii)	At Poonga Nagar	:	2HP OWS to Thagadur SR 135 lpm x 34m - 2Nos.
10.	Feeder Mains	:	32749 M
11.	Service Reservoir with capacity	:	
	a) 10,000 Litres	:	2Nos.
	b) 30,000 Litres	:	21Nos.
	c) 60,000 Litres	:	6Nos.
	d) 1,00,000 Litres	:	7Nos.
	e) 1,50,000 Litres	:	7Nos.
	f) 2,00,000 Litres	:	1No.
	g) 3,00,000 Litres	:	5Nos.
	h) 4,00,000 Litres	:	1No.
	i) 5,00,000 Litres	:	1No.
	Total	:	51 Nos.

WSIS to 49 Habitations in Mugasipidariyur and Ottaparai Village Panchayats of Chennimalai Union under Chennimalai CWSIS in Erode

District
FLOW DIAGRAM



CWSIS TO CHENNIMALAI, K.C..PALAYAM, PERUNDURAI TOWN PANCHAYATS AND BULK PROVISION TO CHITHODE, NASIYANUR TOWN PANCHAYATS AND 69 RURAL HABITATIONS IN CHENNIMALAI AND PERUNDURAI UNIONS OF ERODE DISTRICT.

