

SALIENT DETAILS

KOILKARADU C.W.S.S.

1 Scheme Cost : Rs. 159.00 Lakhs

2 Beneficiaries

Name of Panchayat	No. of Habitations
1.Ammapet RTP	1
2.Nerinjipet RTP	1
3.Guruvareddiyur VP	11
4.Kannapalli VP	10
5.Chennampatty VP	5
6.Vellithiruppur VP	4
TOTAL	32

3 Population : 46208

4 Designed Quantity : 2.45 mld

5 Head works with Source details : River Cauvery (Near Kombur -Nerijipet Barrage)
Surface flow
Collection Well (8.00m dia) - 1 No.

6 Pumpset

a Type : Vertical Turbine

b Duty : 2361 LPM x 20 M (17.5 HP) -2Nos (1+1)

c Hours of Pumping : 20 Hours

7 Treatment Plant (with Units Details)

a. Capacity : 2.83 MLD

b.Rapid Sand Filter Beds : 2 Nos (4.00 m X 3.00 m)

c. Clear water sump : 2.00 Lakh Litre capacity (9.00m Dia)

- d. Pumpsets details
- (i) To Sanathikal sump : 50 HP HSC (1614 lpm X 80 m) 2Nos (1+1)
- (ii) To Nerijipet OHT : 10 HP Sumbersible (490 lpm X 35 m) 1 No.
: 12.5 HP Centrifugal (490 lpm X 35 m) 1 No.
- 8 Transmission Main
- a Pumping main : 29445 m
- b Gravity main :
- 9 Booster station
- i At Sanathikal
- a Sump with capacity : 20000 Litre capacity (3.00 m Dia)
30000 Litre capacity (3.00 m Dia)
- b Pumpset details :
- (i) To Muralipudur sump : 12.5 HP O.W.SUB (573 lpm X69 m) 1No.
10 HP SUB(573 lpm X 69m) 1 No.
- (ii) To Balakanavanur OHT : 5 HP O.W.Sub (100 lpm X 60m) 2Nos (1+1)
- ii At Palayur
- a Sump with capacity : 93000 Litre capacity (7.00 m Dia)
- b Pumpset details : 5 HP Monobloc (332 lpm X 35m) 1No
: 7.5 HP O.W.SUB (350 lpm X 50m) 1No
- iii At Venkatarreddiyur
- a Sump with capacity : 45000 Litre capacity (3.50 m Dia)
- b Pumpset details : 3 HP SUB(112 lpm X 35m) 1No
: 5 HP O.W.SUB(200 lpm X 75m) 1No
- iv AtMuralipudur
- a Sump with capacity : 21000 Litre capacity (3.00 m Dia)
- b Pumpset details : 3 HP Monobloc (60 lpm X 40m) 1No
- 10 Feeder Mains: : 31182 m

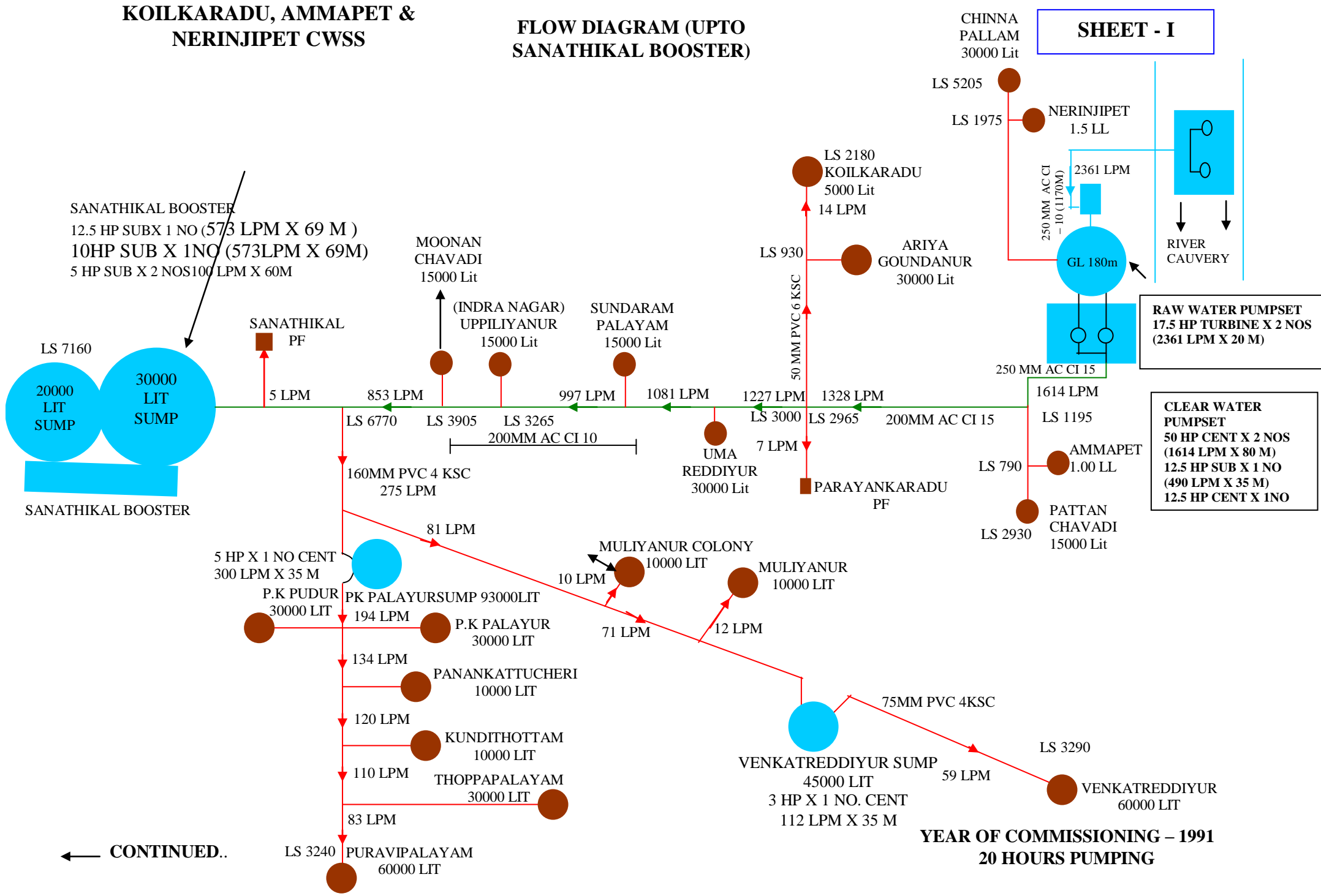
11 Service Reservoirs with capacity

1,50,000 Litres	:	1 No.
1,00,000 Litres	:	2 No
60,000 Litres	:	4 Nos.
30,000 Litres	:	9 Nos.
15,000 Litres	:	4 Nos.
10,000 Litres	:	12 Nos.
5,000 Litres	:	2 Nos.

KOILKARADU, AMMAPET & NERINJIPET CWSS

FLOW DIAGRAM (UPTO SANATHIKAL BOOSTER)

SHEET - I



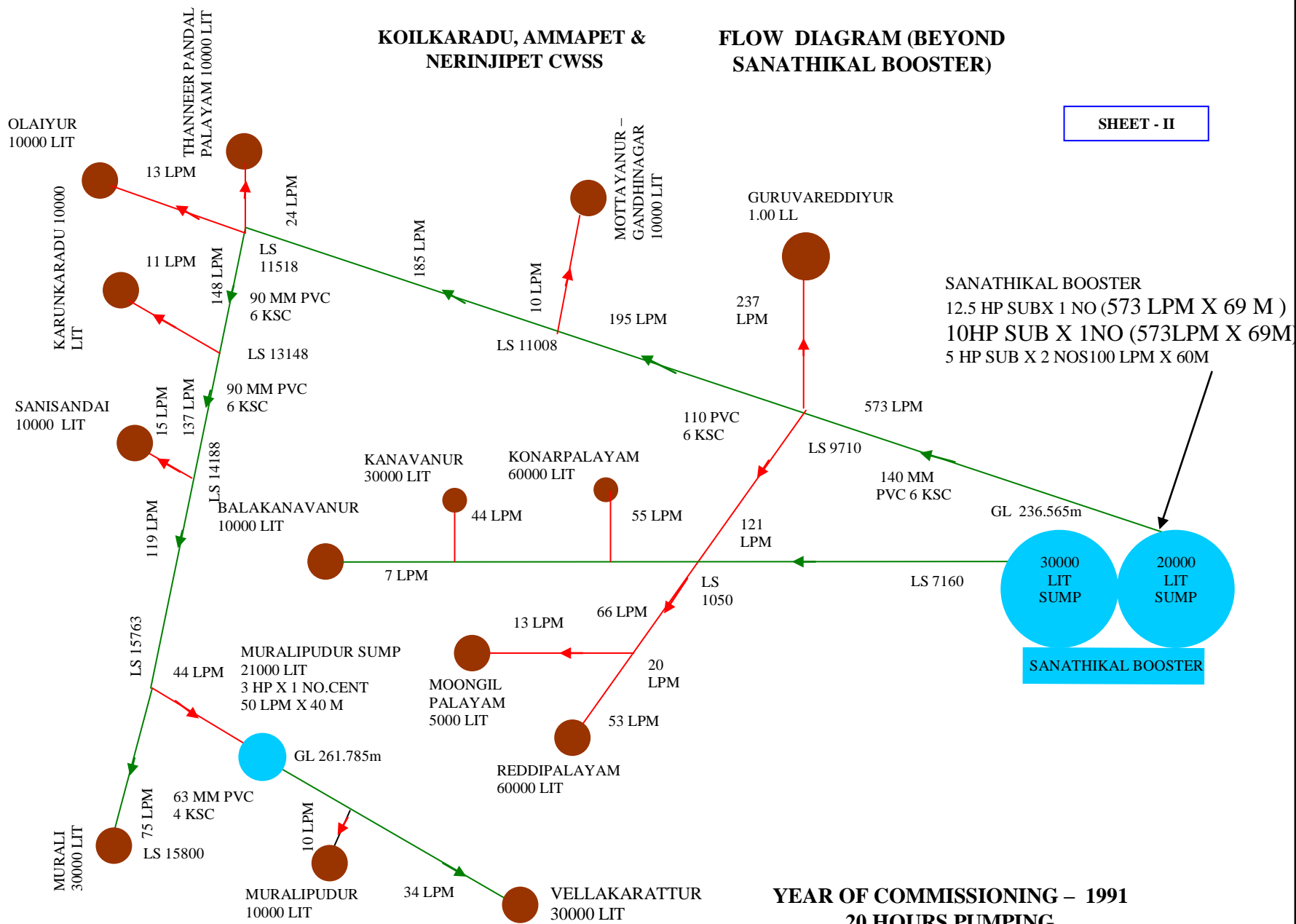
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**YEAR OF COMMISSIONING – 1991
20 HOURS PUMPING**

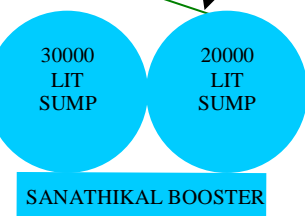
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FLOW DIAGRAM (BEYOND SANATHIKAL BOOSTER)

SHEET - II



SANATHIKAL BOOSTER
 12.5 HP SUB X 1 NO (573 LPM X 69 M)
 10HP SUB X 1NO (573LPM X 69M)
 5 HP SUB X 2 NOS 100 LPM X 60M



YEAR OF COMMISSIONING – 1991
20 HOURS PUMPING