

## **SALIENT DETAILS**

### **C.W.S.S. TO KATTUR**

- 1 Scheme Cost : Rs. 166.00 Lakhs
- 2 Beneficiaries :
- | Name of Panchayat    | No. of Habitations |
|----------------------|--------------------|
| a.Kesarimangalam VP  | : 6                |
| b.Manickampalayam VP | : 4                |
| c.Kalpavi VP         | : 4                |
| d Kuruchi VP         | : 4                |
| fAttavaipudur VP     | : 3                |
| g.Mugasipudur VP     | : 3                |
| h.Poonachi VP        | : 4                |
| i.Patlur VP          | : 12               |
| j.Vellithiruppur VP  | : 1                |
| k.Mathur VP          | : 7                |
| l.Olagadam RTP       | : 1                |
| Total                | 49                 |
- 3 Population : 22603
- 4 Designed Quantity : 1.67 mld
- 5 Head works with Source details : River Cauvery ( Near Kesarimangalam)  
Collection Well ( 6.00m dia) - 1 No.
- 6 Pumpset
- a Type : Vertical Turbine
- b Duty : 1672 LPM x 20 M ( 12.5 HP)-2Nos (1+1)
- c Hours of Pumping : 20 Hours

## 7. Treatment Plant

- a. Capacity : 1.68MLD
- b. Sedimentation Chamber : 1 No.
- c. Slow Sand Filter Beds : 4 Nos ( 21.60 X 16.00 x3.00 m)
- d. Clear water sump : 1.00 Lakh Litre capacity (6.00 m Dia)
- e. Pumpsets details :
- (i) To Poonachi sump : 50 HP HSC ( 2596 lpm X 75 m) 2Nos (1+1)
- (ii) To Kuppuchi palayam OHT : 5 HP Sumbersible ( 112 lpm X 35 m) 1 No.  
: 5 HP Centrifugal ( 112 lpm X 35 m) 1 No.
- (iii) To Kothampatti OHT : 5 HP Centrifugal ( 98 lpm X 46 m)  
: 2 Nos ( 1+1 )

## 8 Transmission Main

- a Pumping main : 33620 m
- b Gravity main : ....

## 9 Booster station

### i At Poonachi

- a Sump with capacity : 1.00 Lakh Litre capacity (6.00 m Dia)
- b Pumpset details :
- (i) To Mathur sump : 30 HP O.W.Sub ( 780 lpm X 92m) 2Nos (1+1)
- (ii) To Mugasipudur OHT : 6 HP O.W.Sumbersible (200 lpm X75 m) 1No. 5  
: HP Submersible ( 72 lpm X 66m) 1 No.
- (iii) To Kemmiyam patti OHT : 3 HP O.W. Submersible ( 98 lpm X 46 m) 2  
: Nos ( 1+1 )

### ii At Mathur

- a Sump with capacity : 1.00 Lakh Litre capacity (6.00 m Dia)
- b Pumpset details : 10 HP O.W.Sub ( 350 lpm X 50m) 1No  
: 10 HP Submersible ( 336 lpm X 45m) 1No

- 10 Feeder Mains: : 21760 m

11 Service Reservoirs with capacity

1,00,000 Litres : 2 Nos.

60,000 Litres : 8 Nos.

30,000 Litres : 12 Nos.

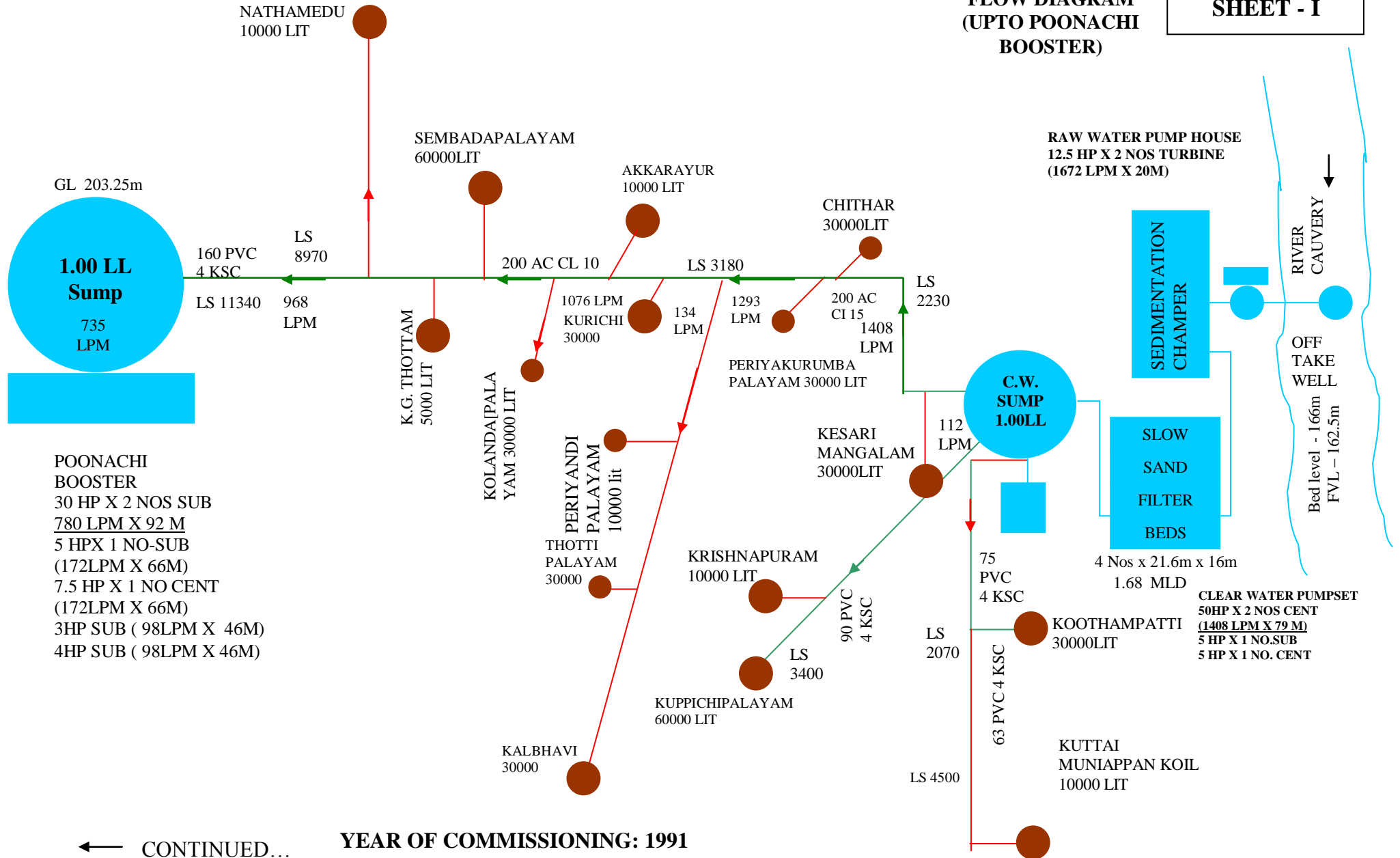
10,000 Litres : 13 Nos.

5,000 Litres : 3 Nos.

**KATTUR CWSS**

**FLOW DIAGRAM  
(UPTO POONACHI  
BOOSTER)**

**SHEET - I**



← CONTINUED...

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

**CLEAR WATER PUMPSET**  
50HP X 2 NOS CENT  
(1408 LPM X 79 M)  
5 HP X 1 NO.SUB  
5 HP X 1 NO. CENT

**KATTUR CWSS**

**SHEET - II**

**FLOW DIAGRAM  
(BEYOND POONACHI  
BOOSTER)**

