

SALIENT DETAILS

CWSS to Thiruverumbur UTP, Thuvakudi MPTY, Koothappar RTP,& other Habitations.

1	Scheme Cost	
i.	Main Scheme	Rs 1750.00 lakhs
ii.	35 Habitations	Rs. 394.00 lakhs
iii.	43 Habitations	Rs. 499.00 lakhs
2	Beneficiaries	Municipality - 1 No, Town Panchayat - 2 Nos Habitations 97 Nos
3	Populations	91,300
4	Designed Quantity	16.93 mld
5	Head works with Source details	Coleroon River Source : Collector well : 6.00m Dia x 20m Depth Radial Arms : 300mm Dia, 650m Length (13nos x50m) Yield : 26.90 MLD
6	Pumpset	
a	Type	120 HP/ 90 KW Vertical Turbine
b	Duty	12267 LPM x 34m Head,
c	Hours of Pumping	23.00 Hrs
7	Treatment Plant	--
8	Transmission Main	
a	Pumping main	700mm Dia PSC 6KSC pipes-1880 m 700mm Dia PSC 4KSC pipes- 8641m
b	Gravity main	700mm Dia PSC 4KSC pipes – 5500m

9 Booster station

a Sump with capacity

- 1.Place : Koothappar road, Thiruverumbur
- 2.Sump :- 8.60LL Capacity,17.0M Dia x 4.10 Depth

b Pumpset details

50HP/37KW Centrifugal 3642 LPM x 43M Head

20HP/15KW submersible 1401 LPM x 37M Head

10 Feeder Mains

a Booster Main I

400mm PSC 6 KSC	1575 m
250mm AC CL15	2235 m
200mm AC CI- 15	15 m
250mm AC CL15-	150 m
350mm PSC 6KSC	609 m
300mm CI LA class	6900 m
125mm CI LA class	900 m
110 mm PVC 4 KSC	900 m

b Booster Main II

400mm PSC 10KSC	795 m
400mm PSC 8KSC	3187 m
400mm PSC 6KSC	520 m
250mm AC CL15	3078 m
200mm AC CL15	6815 m

35 Habitations

150mm AC CL15	8825 m
140mm PVC 4 KSC	15160 m
110mm PVC 4 KSC	7670 m
90mm PVC 4KSC	9515 m
75mm PVC 4KSC	7585 m
63mm PVC 4KSC	6135 m
50mm PVC 6KSC	8775 m

43 Habitations	315mm PVC 4 KSC	700 m
	250mm PVC 4 KSC	10140 m
	200mm PVC 4 KSC	2335 m
	160mm PVC 4 KSC	4380 m
	140mm PVC 4 KSC	4735 m
	110mm PVC 4 KSC	10325 m
	90mm PVC 4 KSC	74490 m
	75mm PVC 4 KSC	2565 m
	63mm PVC 4 KSC	8055 m
	50mm PVC 6 KSC	11950 m

11 No of Group sump with capacity

1. Puthapuram-	2.00 LL
2. Natarajapuram	1.20 LL
3. Pathalapettai	2.00 LL
4. Thirunedungulam	2.50 LL
5 Santhosh Nagar	2.70 LL
6.Cholama Nagar	1.00 LL
7.Poolangudi Mixed Colony	0.30 LL

12 Service Reservoirs

Thiruverumbur zone I 7.00 LL + 7.00 LL

Thiruverumbur zone II 7.00 LL + 7.00 LL

Koothapar zone -I 7.00 LL

Koothapar zone -II 7.00 LL

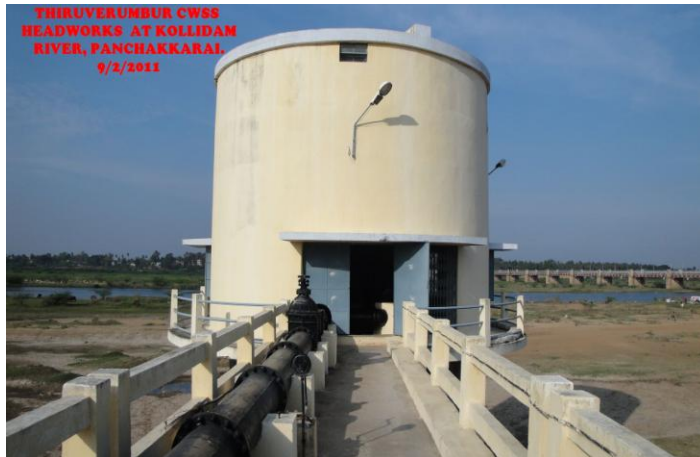
Koothapar VOC
Nagar 0.10 LL

Thuvakudi zone I 5.00 LL

Thuvakudi zone II 12.50 LL+ 4.0 LL

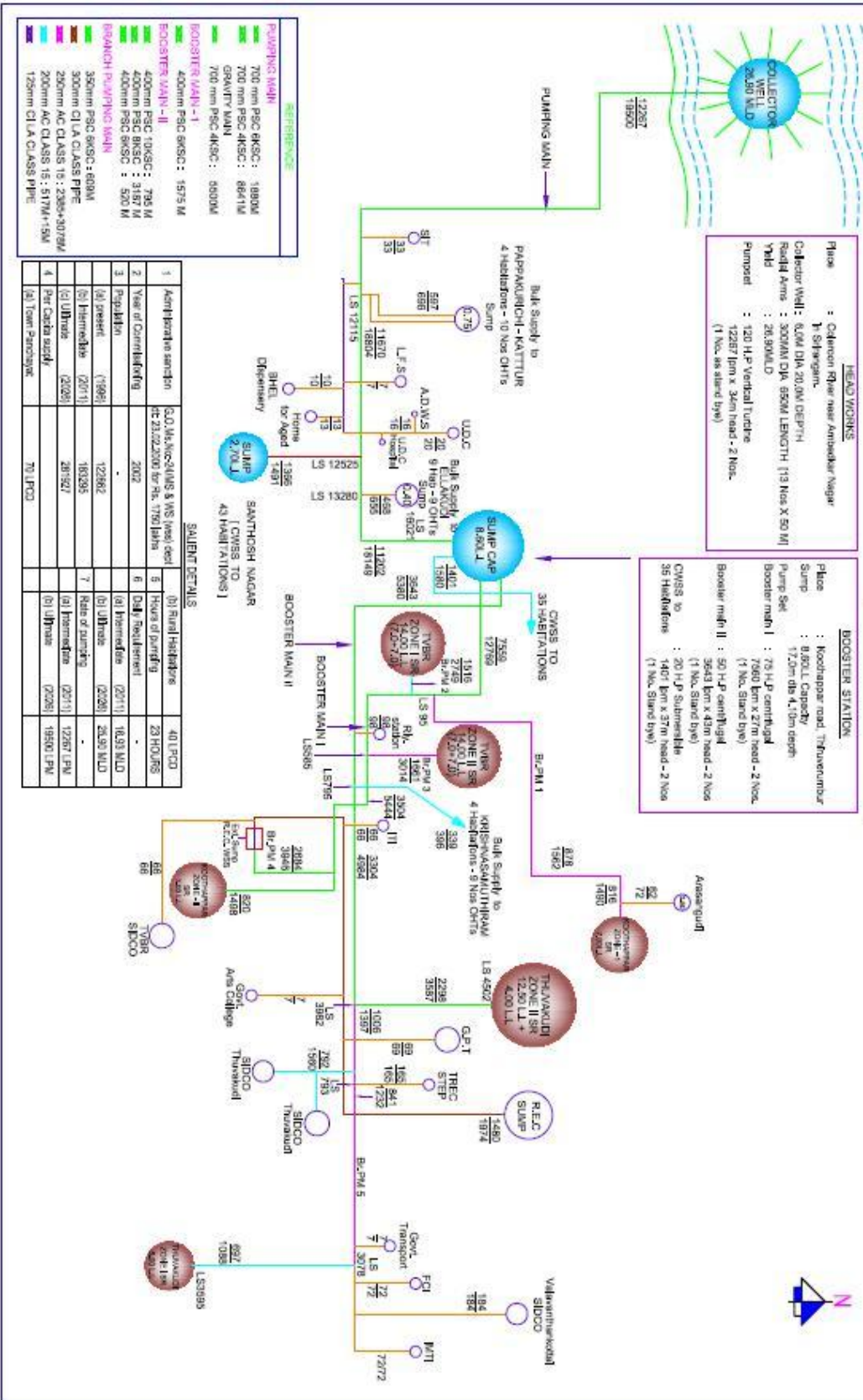
Thuvakudi Bhel
Nagar 2.0 LL

Main Scheme -Rural	1.00 LL -11 Nos
	0.60 LL -12 Nos
	0.30 LI - 5 Nos
	0.10 LL -1 No
35 Habitations	1.00 LL -3 Nos
	0.60 LI - 6 Nos
	0.30 LI - 21 Nos
	0.10 LI - 10 Nos
43 Habitations	1.00 LL -7 Nos
	0.60 LI - 15 Nos
	0.30 LI - 19 Nos
	0.10 LI - 5 Nos



CWSS TO THIRUVERUMBUR (UTP), THUVAKUDI (MPTT), KOOTHAPPAR(RTP), N.I.T.(R.E.C) & OTHER WAYSIDE BENEFICIARIES, TRICHY DISTRICT.

FLOW DIAGRAM



HEAD WORKS

Place : Chidambaram near Ambedkar Nagar

Collector Well : 6.0M DIA, 20.0M DEPTH

Rigid Arms : 300MM DIA, 650M LENGTH (13 Nos. X 50 M)

Yield : 26.90MLD

Pumped : 120 H.P. Vertical Turbine

12287 (m x 24m head) - 2 Nos. (1 No. as stand bye)

BOOSTER STATION

Place : Koothappur road, Thiruverumbur

Sump : 8.50L Capacity

Pump Set : 172cm dia 4.1m depth

Booster main I : 75 H.P. centrifugal (7060 km x 27m head - 2 Nos. (1 No. Stand bye))

Booster main II : 50 H.P. centrifugal (3243 km x 42m head - 2 Nos (1 No. Stand bye))

CWSS to : 20 H.P. Submersible (1407 km x 37m head - 2 Nos (1 No. Stand bye))

- PUMPING MAIN**
- 700 mm PSC 4KSC : 1890M
 - 700 mm PSC 4KSC : 8641M
 - GRANITE MAIN
 - 700 mm PSC 4KSC : 9800M
- BOOSTER MAIN - I**
- 400mm PSC 4KSC : 1975 M
- BOOSTER MAIN - II**
- 400mm PSC 10KSC : 798 M
 - 400mm PSC 4KSC : 3187 M
 - 400mm PSC 4KSC : 520 M
- BRANCH PUMPING MAIN**
- 350mm PSC 4KSC : 680M
 - 300mm CI A CLASS PIPE
 - 250mm AC CLASS 15 : 2386+3079M
 - 200mm AC CLASS 15 : 517M+15M
 - 125mm CI A CLASS PIPE

SALIENT DETAILS

	(a) Rural Headworks	(b) Rural Headworks	(c) Rural Headworks
1	Adoptive section	CO. M/s. M/s. S. S. & S. (West side)	401 FPO
2	Year of Completion	PC 23/02/2006 for 9.76 Hains	23 HOURS
3	Population	2002	16,93,940
4	(a) present	(1995)	20,92,500
5	(b) Intermediate	(2011)	22,92,500
6	(c) Urban	(2026)	22,92,500
7	Rate of pumping	183395	12267 LPM
8	(a) Urban	(2026)	19500 LPM
9	(b) Intermediate	(2011)	
10	(c) Urban	(2026)	

**THIRUVERUMBUR CWSS
TWO TIER SERVICE RESERVOIR
(12.5+4.00)LL
AT THUVAKUDI
9/2/2011**

