

## **SALIENT DETAILS**

### **CWSS TO 674 HABITATIONS IN MANAPPARAI, MARUNGAPURI UNIONS AND PONNAMPATTY RTP IN TIRUCHIRAPALLI DISTRICT**

1	Scheme Cost	RS 69.20 crores
2	Beneficiaries	Town Panchayat -1 No, Habitations - 674 Nos
3	Population benefitted	346815
4	Designed Quantity	14.88 mld
5	Hours of Pumping	16 Hrs
6	Head Works @ Keelavathiyam	6M Dia Collector Well with Radial Arms 770M in River Cauvery, depth -14.00m
a	Pumpsets at Head works	150 HP Turbine -3Nos(50% Stand bye) 7749 lpmx59M
7	Pumping Main	Head Works To Kuppachipatty sump 700 MM PSC 12 Ksc - 8 Ksc Pipes: 16210 m
8 i)	Booster Station I	Kuppachipatty
	a) Pumpset	150 HP HSC -3Nos(50% Stand bye) 7749 lpmx55M
	b) Sump	Dia-24 M, Cap-13 LL ,storage depth-3.50m Pump room 12 x 6 m
ii)	Booster Station II	Chinnareddypatty
	a) Sump	Dia-24 M, Cap-13 LL,storage depth-3.50m
	b) Pumpset	120 HP HSC -3Nos(50% Stand bye) 7247 lpmx51M
	c) Pump set	90 HP HSC -3Nos(50% Stand bye) 6266 lpmx41M
	d) Pump room	9 x 12m, 6 x 6m-2 nos
iii	Booster Station III	Malayadipatti
	a) Sump	Dia -24 M, cap-13 LL, storage depth-3.50m
	b) Pump	90 HP HSC - 3 Nos (50 % Stand bye) 6266 lpm x 41 M 7.5 HP MonoBlock 2No(100% Stand bye)486 lpmx39M 7.5 HP MonoBlock 2No(100% Stand bye)275 lpmx41M
	c) Pump room	12 x 6m, 9 x 6m-2 nos

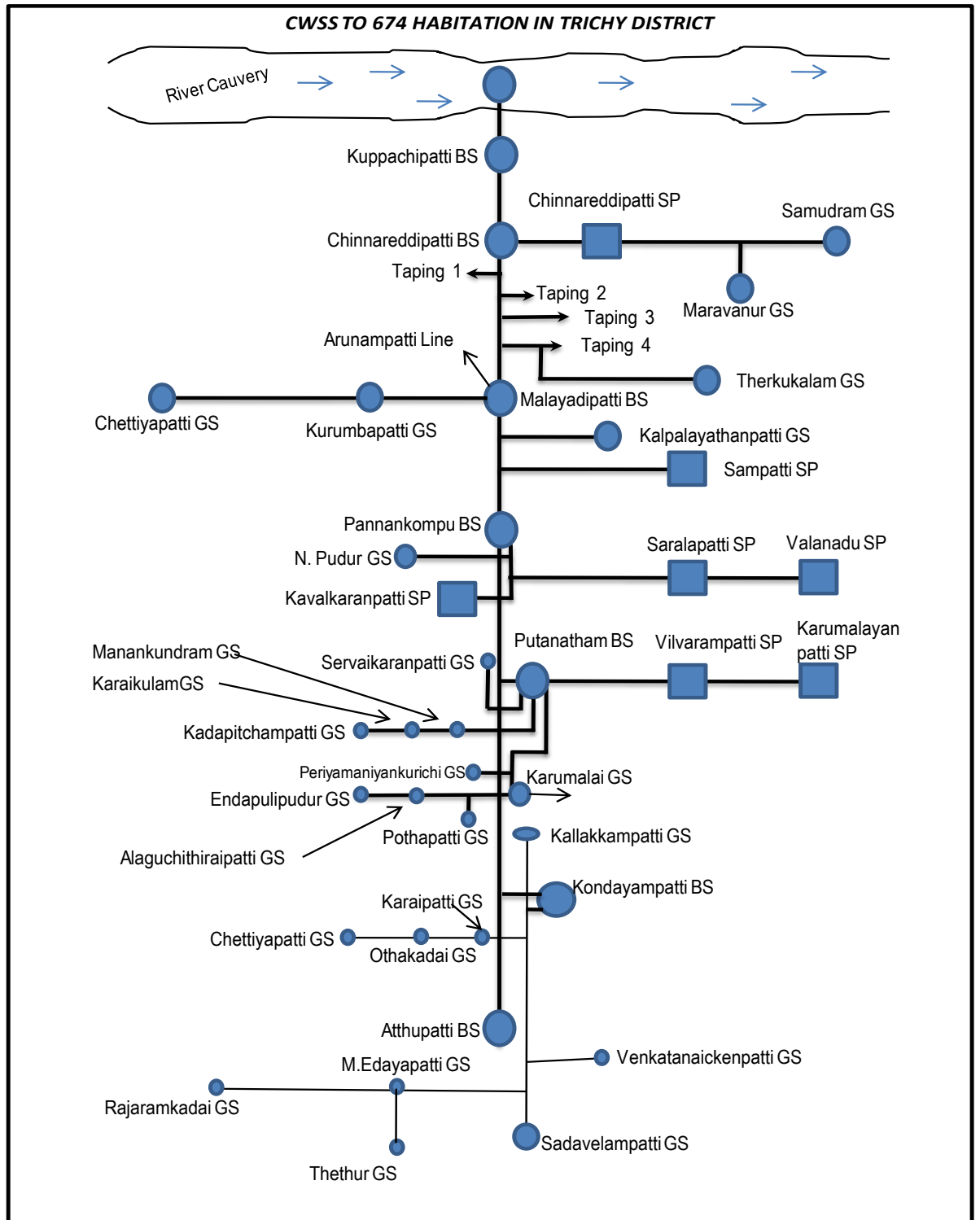
iv) Booster Station IV	Pannankombu
a) Sump	Dia-24 M, Cap-13 LL, storage depth-3.50m
b) Pump set	100 HP HSC –3Nos(50% Stand bye) 3750 lpmx73M 75 HP HSC –2Nos(100% Stand bye) 2747 lpmx55M
c) Pump room	12 x 6m, 9 x 6m-2 nos
v) Booster Station V	Puthanatham
a) Feeder Sump	Dia-13.5 M, Cap-4 LL, storage depth-3.50m
b) Pump set	50 HP HSC –2Nos(100% Stand bye) 2179 lpmx52M  3 HP MonoBlock 2No(100% Stand bye)224 lpmx23M 12.5 HP MonoBlock 2No(100%Stand bye)868 lpmx37M 15 HP MonoBlock 2No(100%Stand bye)697 lpmx51M
c) Pump room	12 x 6m, 9 x 6m-2 nos
vi) Booster Station VI	Kondaiyampatty
a) Feeder Sump	Dia-13.5 M, Cap-4 LL, storage depth-3.50m
b) Pump set	25 HP HSC –2Nos(100% Stand bye) 2311 lpmx29M
c) Pump room	9 x 7m -1 no
vii) Booster Station VII	Athupatty
a) Feeder Sump	Dia- 5.6 M, Cap-0.60 LL, storage depth-2.50m
b) Pump set	25 HP HSC –2Nos(100% Stand bye) 916 lpmx52M
c) Pump room	6 x 4m -1 no
9 i) BOOSTER MAIN I:	Kuppachipatty to Chinnareddypatty sump 700 MM PSC 14 -8 Ksc Pipes: 16351 m
ii) BOOSTER MAIN II:	Chinnareddypatty to Malaiyadipatty sump 600 MM PSC 14 - 10 Ksc Pipes:15289 m
iii) BOOSTER MAIN III:	Malaiyadipatty to Pannankombu sump 600 MM PSC 12- 8 Ksc Pipes:7110 m
iv) BOOSTER MAIN IV:	Pannankombu to Athupattty sump 450 MM PSC 18 - 8 Ksc Pipes: 19614 m

## 10 Group sumps and pumpsets

### Location & Sump Capacity

Maravanur	1.0 LL	2 HP MonoBlock 168 lpmx23M
Samudram	2.0 LL	7.5 HP MonoBlock 306 lpmx45M
Therkkukalam	1.0 LL	3 HP MonoBlock 244 lpm x27M
Kurumbapatti	1.0 LL	7.5 HP MonoBlock 384 lpmx44M
Chettiyapatti	0.10 LL	3 HP MonoBlock 119 lpmx26M
Kalpalayathanpatti	1.0 LL	5 HP MonoBlock 195 lpmx33M 5 HP MonoBlock 314 lpmx24M
Endapuliputhur	0.10 LL	5 HP MonoBlock 62 lpmx47M
Pothapatti	0.10 LL	1 HP MonoBlock 39 lpmx19M
Servaikaranpatti	0.10 LL	1 HP MonoBlock 48 lpmx25M
Periyamaniankurichi	0.30 LL	5 HP MonoBlock 103 lpmx46M
Kadapitchampatti	0.60 LL	10 HP MonoBlock 201 lpmx63M
Manakundram	0.60 LL	10 HP MonoBlock 605 lpmx39M
Karumalai	1.0 LL	2 HP MonoBlock 201 lpmx22M 7.5 HP MonoBlock 197 lpmx63M
Karaikalam	1.50 LL	5 HP MonoBlock 324 lpmx32M 3 HP MonoBlock 190 lpmx30M
Azhagasthripatti	0.10 LL	5 HP MonoBlock 84 lpmx47M
Chettiyapatti	0.20 LL	5 HP MonoBlock 123 lpmx81M
Karaiipatti	0.30 LL	10 HP MonoBlock 476 lpmx52M
Venkataaickenpatti	0.30 LL	1 HP MonoBlock 156 lpmx16M
Thethur	0.60 LL	2 HP MonoBlock 208 lpmx18M
Kallakkampatti	1.0 LL	5 HP MonoBlock 142 lpmx36M 2 HP MonoBlock 245 lpmx14M
Sadavelampatti	0.60 LL	1 HP MonoBlock 186 lpmx12M
Othakadai	1.0 LL	10 HP MonoBlock 330 lpmx52M 3 HP MonoBlock 74 lpmx27M
M.Edayapatti	1.0 LL	10 HP MonoBlock 417 lpmx52M 15 HP MonoBlock 616 lpmx50M
Rajaramkadai	1.50 LL	10 HP MonoBlock 465 lpmx45M

		5 HP MonoBlock 142 lpmx37M
N. Pudur	0.10 LL	2 HP Submersible 75 lpm x 40 m
Line Booster AT Uthukuli		1 HP( Single phase) Monoblock 80 lpm x 15 m
11 STAND POST		Staging Height
Chinnareddypatty		6 M
Sampatty		12 M
Saralapatty		3 M
Valanadu		12 M
Kavalkaranpatty		12 M
Vilvaranpatty		7.5 M
karumalaiyanpatty		7.5 M
12 Branch pumping main		300 - 125 mm AC pipe = 96245 m
		140 - 50 mm PVC pipe = 609229 m
13 Service Reservoirs		10000 Litres : 337 Nos
		15000 Litres : 7 Nos
		25000 Litres : 1 Nos
		30000 Litres : 267 Nos
		60000 Litres : 40 Nos
		100000 Litres : 4 Nos
		<b>Total : 656 Nos</b>



**CWSS to 674 habitations in Trichy District  
Headworks at Keelavathiyam**

