

SALIENT DETAILS

C.W.S.S to 4 town panchayats and 1081 rural habitations -Phase II

1. Scheme cost : Rs.9560 lakhs
2. Beneficiaries :
 - 1.Namagiripettai UTP – 1no.
 - 2.Pattanam RTP – 1no.
 - 3.Seerappalli RTP– 1 no.
 - 4.R.Pudupatty RTP – 1 no.
 - 5.Namakkal union – 172 habs
 - 6.Sendamangalam union – 28 habs
 - 7.Paramathy union - 77 habs
 - 8.Puduchatram union – 215 habs
 - 9.Mallasamudram union –154 habs
 - 10.Elachipalayam union – 195 habs
 - 11.Rasipuram union – 98 habs
 - 12.Namagiripettai union – 143 habs

Total Habitations - 1082
3. Populations : 484876
4. Designed quantity : 21.65 mld
- 5 Head works with source : River Cauvery at Jedarpalayam
details
 - 1.Off-take well:1 no.-6m dia
 - 2.Conecting main:580m-2 rows
 - 3.Collection well cum pump house: 12m inner dia
 - 4.Approch road :80m length
 - 5.Raw water main:12690m
6. pumpset :
 - a)Type : Turbine,
 - b)Duty : 5442 lpm x104 m-170HP-6nos(4+2 standby)
 - c)Hours of pumping : 20 hours

- 7 Treatment Plant(with units details) : 30 mld
1. Aerator: 10m dia Collection tray; 5 nos steps;
 2. Stilling chamber size : 6m x 4m x 3.45m
 3. Measuring channel size : 12.50m x 1.00m x 0.75m
 4. Flash mixer-2 nos. 2.20m dia; 3.75m depth
 5. Dividing chamber: 3.00m dia; 4.05m depth
 6. Clariflocculator-2 nos- 34m dia; Flocculator- 13m dia
 7. Filter house : 12 beds; size: 6m x 4m (10+2 standby)
 8. Wash water tank capacity: 4.00 LL
 9. Clear water reservoir-2 nos.-25.00 LL
8. Transmission main : Total 54440m
- a) Pumping main : 29750m
 - b) Gravity main : 24690m
9. Booster station :
- a) Sump with capacity : **b) Pumpset details**
- Treatment plant : Submer-150lpmx30m-2HP-2nos.(1+1standby)
- Kunnamalai – 0.60 LL : Submer-81lpmx21m-1HP-2nos.(1+1standby)
Mono-35lpmx18m-1HP-2nos.(1+1standby)
- Nallur – 0.30 LL : Submer-32lpmx31m-1HP-2nos.(1+1standby)
Mono-23lpmx15m-1HP-2nos.(1+1standby)
- Uthigapalayam – 1.50 LL : Submer-278lpmx25m-3HP-2nos.(1+1standby)
Mono-48lpmx8m-1HP-2nos.(1+1standby)
- Vasanthapuram-7.00LL : HSC-1226lpmx46m-25HP-2nos.(1+1standby)
Submer-279lpmx33m-4HP-2nos.(1+1standby)
Submer-221lpmx21m-2HP-2nos.(1+1standby)
Mono-81lpmx15m-1HP-2nos.(1+1standby)
Mono-9lpmx3m-1HP-2nos.(1+1standby)
- Kandampalayam – 1.00LL : Submer-225lpmx35m-3HP-2nos.(1+1standby)
Submer-172lpmx29m-3HP-2nos.(1+1standby)
Mono-94lpmx18m-1HP-2nos.(1+1standby)
- Appinaickenpalayam- 2.50LL : Submer-201lpmx35m-3HP-2nos.(1+1standby)
Submer-719lpmx63m-10HP-2nos.(1+1standby)
Submer-96lpmx38m-2HP-2nos.(1+1standby)
Mono-121lpmx17m-1HP-2nos.(1+1standby)

Vallipuram – 2.00LL	:	Submer-238lpmx23m-3HP-2nos.(1+1standby) Submer-483lpmx51m-7.5HP-2nos.(1+1standby)
Konamparappu -0.10LL	:	Submer-12lpmx35m-1HP-2nos.(1+1standby)
Marukkalampatty-6.00LL	:	HSC-2007lpmx66m-40HP-2nos.(1+1standby) Submer-171lpmx57m-5HP-2nos.(1+1standby) Mono-106lpmx24m-1HP-2nos.(1+1standby) Mono-34lpmx8m-1HP-2nos.(1+1standby)
Mamarappatty – 4.50LL	:	Submer-117lpmx34m-2HP-2nos.(1+1standby) Submer-69lpmx23m-1HP-2nos.(1+1standby) Submer-418lpmx56m-10HP-2nos.(1+1standby) Submer-585lpmx49m-10HP-2nos.(1+1standby) Submer-135lpmx54m-4HP-2nos.(1+1standby)
Vaiyappamalai – 4.50 LL	:	Submer-150lpmx32m-3HP-2nos.(1+1standby) Mono-1130lpmx9m-3HP-2nos.(1+1standby) Mono-72lpmx8m-1HP-2nos.(1+1standby) Mono-164lpmx16m-1HP-2nos.(1+1standby) Mono-32lpmx8m-1HP-2nos.(1+1standby)
Periyamanali – 2.50LL	:	Submer-464lpmx37m-7.5HP-2nos.(1+1standby) Submer-210lpmx29m-3HP-2nos.(1+1standby) Submer-90lpmx8m-2HP-2nos.(1+1standby)
Musiri-30.00LL	:	HSC- 7023lpmx52m-135HP-3nos.(2+1standby) Submer-78lpmx29m-1HP-2nos.(1+1standby)
Kalinaickenur -2.50LL	:	HSC - 932lpmx65m-25HP- 2nos (1+1 standby) Mono -28 lpmx7m-1HP- 2nos (1+1 standby) Mono - 63lpmx28m-1HP- 2nos (1+1 standby) Mono - 31lpmx21m-1HP- 2nos (1+1 standby) Mono - 22lpmx5m-1HP- 2nos (1+1 standby)
Ernapuram – 2.50 LL	:	Submer -391 lpmx33m-5HP- 2nos (1+1 standby) Submer - 172lpmx42m-3HP- 2nos (1+1 standby) Submer - 90lpmx24m-1HP- 2nos (1+1 standby) Mono - 87lpmx12m-1HP- 2nos (1+1 standby)
Mattaparaipudur – 3.00LL	:	Submer -638 lpmx45m-10HP- 2nos (1+1 standby)

		Submer - 178lpmx21m-3HP- 2nos (1+1 standby)
Chinnamudalaipatty- 1.50 LL	:	Submer - 411lpmx26m-5HP- 2nos (1+1 standby) Submer - 225lpmx33m-5HP- 2nos (1+1 standby)
Goundanur - 0.60 LL	:	Submer - 180lpmx40m-4HP- 2nos (1+1 standby)
Manathi – 3.50 LL	:	HSC -1280 lpmx70m-40HP- 2nos (1+1 standby) Centri- 104lpmx18m-2HP- 2nos (1+1 standby) Centri - 59lpmx30m-3HP- 2nos (1+1 standby)
Manickampalayam – 2.00 LL	:	Centri-39 lpmx15m-1HP- 2nos (1+1 standby) Centri -133 lpmx19m-3HP- 2nos (1+1 standby) Submer -234 lpmx44m-4HP- 2nos (1+1 standby) Submer - 100lpmx22m-2HP- 2nos (1+1 standby)
Unjanai - 4.00 LL	:	Centri - 349lpmx16m-2HP- 2nos (1+1 standby) Submer - 248lpmx30m-3HP- 2nos (1+1 standby) Submer -452 lpmx58m-10HP- 2nos (1+1 standby) Submer - 109lpmx57m-4HP- 2nos (1+1 standby)
Elachipalayam – 2.00 LL	:	Centri - 68lpmx16m-1HP- 2nos (1+1 standby) Submer - 96lpmx24m-2HP- 2nos (1+1 standby) Submer -126 lpmx56m-3HP- 2nos (1+1 standby) Submer - 186lpmx29m-3HP- 2nos (1+1 standby)
Molipalli – 0.60 LL	:	Centri - 40lpmx18m-1HP- 2nos (1+1 standby) Submer -109 lpmx46m-3HP- 2nos (1+1 standby)
Andrapatty – 0.30 LL	:	Centri - 23lpmx13m-1HP- 2nos (1+1 standby) Submer - 20lpmx37m-1HP- 2nos (1+1 standby)
Ramapuram – 4.00 LL	:	Submer - 76lpmx19m-1HP- 2nos (1+1 standby) Submer - 78lpmx22m-1HP- 2nos (1+1 standby)

- Submer - 144lpmx50m-3HP- 2nos (1+1 standby)
- Submer - 142lpmx34m-3HP- 2nos (1+1 standby)
- Submer - 116lpmx35m-3HP- 2nos (1+1 standby)
- Thuthipalayam – 1.00 LL : Submer - 108lpmx46m-3HP- 2nos (1+1 standby)
- Submer -197 lpmx35m-4HP- 2nos (1+1 standby)
- Pillanatham -0.30 LL : Submer - 34lpmx14m-1HP- 2nos (1+1 standby)
- Submer - 13lpmx29m-1HP- 2nos (1+1 standby)
- Karattupalayam 0.30 LL : Submer - 79lpmx28m-1HP- 2nos (1+1 standby)
- Goundampalayam : Submer - 28lpmx33m-1HP- 2nos (1+1 standby)
- 0.15 LL
- Nathamedu – 2.00 LL : Mono -136 lpmx18m-1.5HP- 2nos (1+1 standby)
- Submer -75 lpmx39m-1.5HP- 2nos (1+1 standby)
- Submer - 60lpmx25m-1.5HP- 2nos (1+1 standby)
- Submer - 315lpmx37m-5HP- 2nos (1+1 standby)
- Thathathiripuram – : HSC - 1542lpmx66m-40HP- 2nos (1+1 standby)
- 9.00 LL
- HSC-843lpm x 42m-20HP-2nos.(1+1standby)
- Mono-88lpm x 22m-1HP-2nos. (1+1standby)
- Submer - 126lpmx43m-3HP- 2nos (1+1 standby)
- Submer - 168lpmx37m-3HP- 2nos (1+1 standby)
- Submer - 176lpmx43m-3HP- 2nos (1+1 standby)
- Submer - 231lpmx58m-5HP- 2nos (1+1 standby)

- Pudansandai – 4.50 LL : Submer - 83lpmx32m-1HP- 2nos (1+1 standby)
Submer - 425lpmx49m-7.5HP- 2nos (1+1 standby)
Submer - 311lpmx28m-4HP- 2nos (1+1 standby)
Submer - 157lpmx33m-3HP- 2nos (1+1 standby)
Submer - 249lpmx21m-3HP- 2nos (1+1 standby)
Submer - 214lpmx20m-3HP- 2nos (1+1 standby)
Submer - 572lpmx25m-5HP- 2nos (1+1 standby)
- Thirumalaipatty – 1.50 LL : Submer - 225lpmx23m-3HP- 2nos (1+1 standby)
Submer - 231lpmx30m-3HP- 2nos (1+1 standby)
- Vannamparai – 0.30 LL : Submer - 35lpmx35m-1HP- 2nos (1+1 standby)
Mono - 52lpmx17m-1HP- 2nos (1+1 standby)
- Ammapalayampudur- 2.50LL : Submer - 486lpmx82m-15HP- 2nos (1+1 standby)
Submer - 256lpmx55m-5HP- 2nos (1+1 standby)
Submer - 128lpmx32m-3HP- 2nos (1+1 standby)
Submer - 147lpmx33m-3HP- 2nos (1+1 standby)
Submer - 13lpmx34m-1HP- 2nos (1+1 standby)
Mono- 31 lpm x 12m – 0.50HP-2nos. (1+1standby)
- Karaiyanthinnipudur- 0.30LL : Mono - 40lpmx13m-1HP- 2nos (1+1 standby)
Submer - 66lpmx40m-1.5HP- 2nos (1+1 standby)
- Kannurpatty-8.00LL : HSC - 4750lpmx59m-100HP- 3nos (2+1 standby)
Mono - 280lpmx38m-5HP- 2nos (1+1 standby)
Mono - 238lpmx33m-3HP- 2nos (1+1 standby)

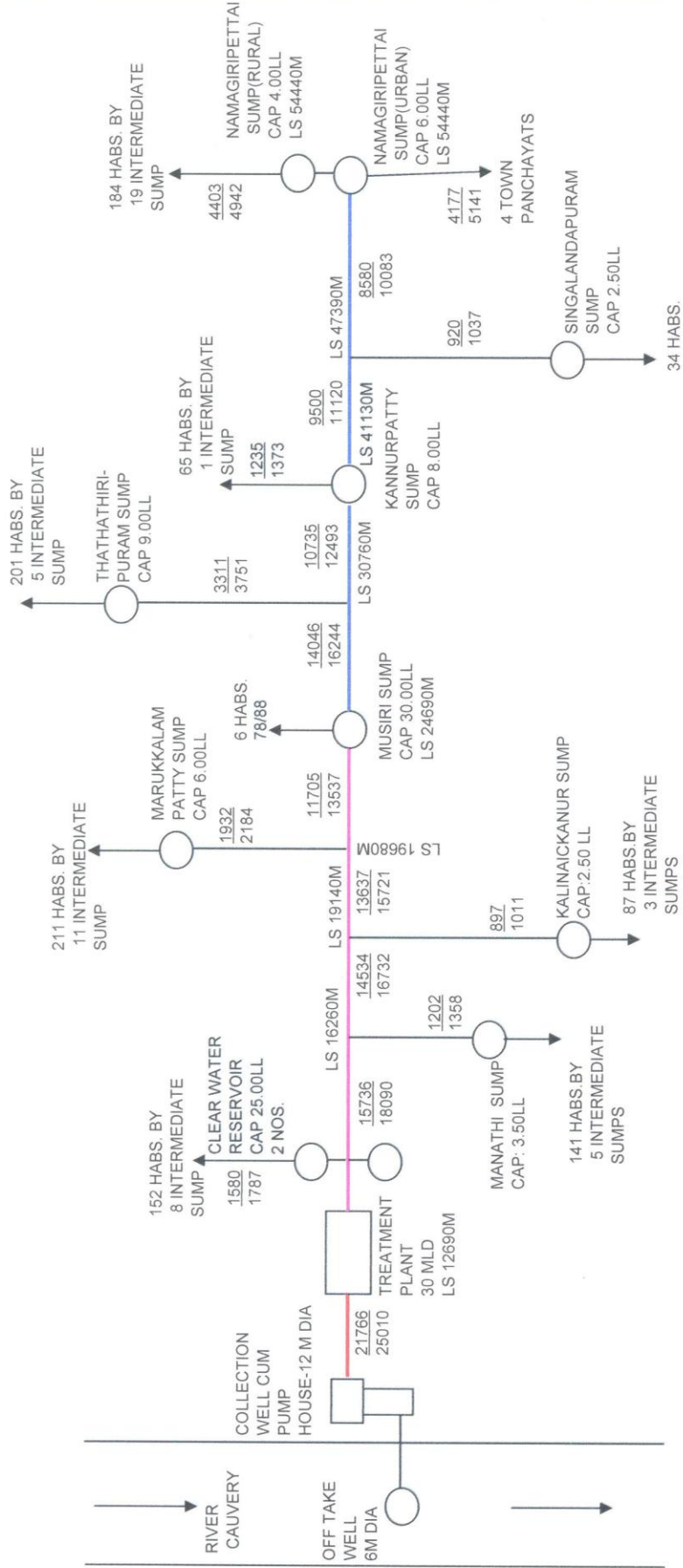
- Muthukalipatty- 0.60 LL : Mono - 168lpmx34m-3HP- 2nos (1+1 standby)
Submer - 518lpmx72m-15HP- 2nos (1+1 standby)
- Singalandapuram - 2.50 LL : Submer - 199 lpmx25m-3HP- 2nos (1+1 standby)
Submer - 439lpmx29m-5HP- 2nos (1+1 standby)
Submer - 156lpmx28m-3HP- 2nos (1+1 standby)
Submer - 317lpmx40m-5HP- 2nos (1+1 standby)
- Namagiripettai- 6.00 LL (Urban) : HSC - 1441lpmx42m-25HP- 2nos (1+1 standby)
HSC - 1221lpmx21m-10HP- 2nos (1+1 standby)
Submer - 671lpmx25m-7.5HP- 2nos (1+1 standby)
Submer - 591lpmx66m-15HP- 2nos (1+1 standby)
Submer -253 lpmx71m-7.5HP- 2nos (1+1 standby)
- Namagiripettai- 4.00LL (Rural) : HSC - 1292lpmx89m-50HP- 3nos (2+1 standby)
Mono - 402lpmx36m-5HP- 2nos (1+1 standby)
Mono -367 lpmx49m-5HP- 2nos (1+1 standby)
Submer - 22lpmx60m-2HP- 2nos (1+1 standby)
Submer - 636lpmx56m-15HP- 2nos (1+1 standby)
- Koraiyar - 7.00 LL : HSC - 1539lpmx96m-60HP- 3nos (2+1 standby)
Mono -151 lpmx17m-1.5HP- 2nos (1+1 standby)
- Kalkurichi - 3.50 LL : Mono -59 lpmx13m-1HP- 2nos (1+1 standby)
Submer -176 lpmx39m-3HP- 2nos (1+1 standby)
Submer - 101lpmx20m-1HP- 2nos (1+1 standby)
Submer -146 lpmx56m-4HP- 2nos (1+1 standby)
Submer - 186lpmx29m-2HP- 2nos (1+1 standby)

- Submer - 395lpmx29m-5HP- 2nos (1+1 standby)
- Guruvala – 0.10 LL : Submer -19 lpmx46m-1.5HP- 2nos (1+1 standby)
- Ettikuttai – 0.10 LL : Submer -28 lpmx60m-1HP- 2nos (1+1 standby)
- Vadugam – 0.60 LL : Submer - 237lpmx31m-3HP- 2nos (1+1 standby)
- Mettala – 3.00 LL : HSC -894 lpmx64m-25HP- 2nos (1+1 standby)
Mono -181 lpmx132m-1.5HP- 2nos (1+1 standby)
Submer - 335lpmx127m-20HP- 2nos (1+1 standby)
Submer -229 lpmx53m-5HP- 2nos (1+1 standby)
Submer - 80lpmx51m-3HP- 2nos (1+1 standby)
- Mangalapuram – 3.00LL : Submer -193 lpmx37m-3HP- 2nos (1+1 standby)
Submer - 131lpmx73m-4HP- 2nos (1+1 standby)
Submer - 338lpmx37m-5HP- 2nos (1+1 standby)
Submer - 436lpmx39m-7.5HP- 2nos (1+1 standby)
- Mullukurichi -2.00 LL : Submer - 172lpmx35m-3HP- 2nos (1+1 standby)
Submer - 138lpmx49m-3HP- 2nos (1+1 standby)
Submer - 128lpmx79m-4HP- 2nos (1+1 standby)
- Thimmanaickenpatty-1.50LL : Submer - 237lpmx31m-3HP- 2nos (1+1 standby)
Submer -225 lpmx83m-7.5HP- 2nos (1+1 standby) Submer - 173lpmx53m-5HP- 2nos (1+1 standby)
- Pilippakuttai-0.60 LL : Gravity Main
- Periasekkadi – 0.60 LL : Mono - 82lpmx13m-0.5HP- 2nos (1+1 standby)
Submer - 46lpmx79m-4HP- 2nos (1+1 standby)

- Singliancombai – 0.60 LL : Submer - 159lpmx50m-4HP- 2nos (1+1 standby)
- Andikuttai – 0.60 LL : Submer - 152lpmx50m-3HP- 2nos (1+1 standby)
- Naraikinaru – 0.60 LL : Mono - 46lpmx15m-0.5HP- 2nos (1+1 standby)
- Thandagoundanpalayam : Submer - 41lpmx67m-2HP- 2nos (1+1 standby)
– 0.30 LL
- Salakkadu – 0.30 LL : Submer - 15lpmx51m-1HP- 2nos (1+1 standby)
- Ondikadai -0.10 LL : B.P.Tank
- P.Kanavaipatty – 0.10 LL : Submer -23 lpmx33m-1HP- 2nos (1+1 standby)
- N.Kattur – 0.10 LL : Submer - 23lpmx29m-1HP- 2nos (1+1 standby)
- Kappaluthu – 0.10 LL : Submer - 29lpmx56m-2HP- 2nos (1+1 standby)
10. Feeder mains : 1375757m
11. Service Reservoirs with capacity : 12m staging ht.
30,000 lit. – 4 nos.
60,000 lit. – 1 no.
1.00 LL – 3 nos.
2.00 LL – 1 no.
6m staging ht.
10,000 lit – 38 nos.
30,000 lit – 8 nos.

CWSS TO 4 TOWN PANCHAYATS AND 1081 RURAL HABITATIONS IN NAMAKKAL DISTRICT

FLOW DIAGRAM



NOTE:
 DUE TO NON AVAILABILITY OF SPACE IN THE A4 SHEET
 THE MAIN SUMPS ARE SHOWN IN THE FLOW DIAGRAM
 AND THE OTHER WAY SIDE SUMPS ARE SHOWN IN
 NUMBERS ONLY

REFERENCE

- RAW WATER MAIN - 20 HOURS PUMPING
- GRAVITY MAIN 24 HOURS
- CLEAR WATER PUMPING MAIN - 20 HOURS PUMPING