

SALIENT DETAILS

| | | | | | | | |
|---|--|--|---------------|---------------|--------------|--------------|--------------|
| 1 | Name of Scheme | CWSS TO ILLAMPILLAI,ATTAYAMPATTI , PANAMARATHUPATTY , MALLUR AND EDAGANASALAI TOWN PANCHAYATS AND 778 RURAL HABITATIONS IN VEERAPANDY,PANAMARATHUPATTI & SALEM UNION IN SALEM DISTRICT. | | | | | |
| 2 | Beneficiaries | Veerapandi Union - 359 habitations | | | | | |
| | | Panamarathupatti Union - 287 habitations | | | | | |
| | | Salem Union - 132 habitations | | | | | |
| | | Ilampillai TP | | | | | |
| | | Panamarathupatti TP | | | | | |
| | | Attayampatti TP | | | | | |
| | | Mallur TP | | | | | |
| 3 | Population | Pre 2021 | Int 2036 | Ult 2051 | Pre 2021 | Int 2036 | Ult 2051 |
| | Veerapandi Union | 129191 | 152718 | 176318 | 1.29 | 1.53 | 1.76 |
| | Panamarathupatti Union | 142825 | 168025 | 193400 | 1.43 | 1.68 | 1.93 |
| | Salem Union | 85690 | 102851 | 120020 | 0.86 | 1.03 | 1.20 |
| | Ilampillai TP | 12181 | 13657 | 15133 | 0.12 | 0.14 | 0.15 |
| | Panamarathupatti TP | 10387 | 11916 | 13444 | 0.10 | 0.12 | 0.13 |
| | Attayampatti TP | 15304 | 17482 | 19660 | 0.15 | 0.17 | 0.20 |
| | Mallur TP | 11512 | 13540 | 15926 | 0.12 | 0.14 | 0.16 |
| | Edanganasalai TP | 37296 | 43373 | 49449 | 0.37 | 0.43 | 0.49 |
| | Total | 444385 | 523562 | 603351 | 4.44 | 5.24 | 6.03 |
| 4 | Pro-rata supply proposed | 55 LPCD for Rural/ 70 LPCD for Census Villages and 135 LPCD for Town Panchayats | | | | | |
| 5 | Clear water Requirement | Pre 2021 | Int 2036 | Ult 2051 | Pre 2021 | Int 2036 | Ult 2051 |
| | Veerapandi Union | 7.31 | 8.64 | 9.97 | 8.60 | 10.16 | 11.72 |
| | Panamarathupatti Union | 8.92 | 10.51 | 12.12 | 10.49 | 12.36 | 14.25 |
| | Salem Union | 5.46 | 6.57 | 7.67 | 6.43 | 7.72 | 9.02 |
| | Ilampillai TP | 1.64 | 1.84 | 2.04 | 1.93 | 2.17 | 2.40 |
| | Panamarathupatti TP | 1.40 | 1.61 | 1.81 | 1.65 | 1.89 | 2.13 |
| | Attayampatti TP | 2.07 | 2.36 | 2.65 | 2.43 | 2.78 | 3.12 |
| | Mallur TP | 1.55 | 1.83 | 2.15 | 1.83 | 2.15 | 2.53 |
| | Edanganasalai TP | 5.03 | 5.86 | 6.68 | 5.92 | 6.89 | 7.85 |
| | Sub Total I | 33.39 | 39.21 | 45.10 | 39.28 | 46.11 | 53.03 |
| | Industrial and Commercial Demand@ 10% | 4.41 | 5.22 | 6.04 | MLD | | |
| | Sub Total II | 37.79 | 44.43 | 51.14 | MLD | | |
| | Add 5% for fire fighting | 1.67 | 1.96 | 2.25 | MLD | | |
| | Sub Total III | 39.46 | 46.39 | 53.39 | MLD | | |
| | Less 5 Lpcd existing ground water supply for Town Panchayats | 0.43 | 0.50 | 0.57 | MLD | | |
| | Sub Total IV | 39.03 | 45.89 | 52.82 | MLD | | |
| | Transmission loss @ 10% | 3.90 | 4.59 | 5.28 | MLD | | |
| Sub Total IV | 42.93 | 50.48 | 58.11 | MLD | | | |
| Considering minium 10 Lpm for 12 Hrs of Pumping - Clear water requirement in MLD | 43.17 | 50.70 | 58.32 | MLD | | | |
| Add 5% for Treatment loss | 2.16 | 2.53 | 2.92 | MLD | | | |
| Total Raw Water Requirement | 45.33 | 53.23 | 61.23 | MLD | | | |

| | | |
|----|--|---|
| 6 | Hours of Pumping | 20 Hrs |
| | Gravity | 24 Hrs |
| 7 | Head works | Source - Surface water from the River Cauvery in the up stream side of the Neringipettai Barrage at Panankadu |
| a | Off take Well cum Pump House | 20.00 m x 9.00 m |
| b | Raw Water Pumpsets | Vertical Turbine - 6 Nos. of duty 11090 Lpm X 86 m - 280 HP each (2 Nos.Standby) |
| c | Raw water Main | Head works to Intermediate Booster Station I at Avani Perur East 1118 mm dia x 8.8 mm MS pipe – 14400 m |
| 8 | Intermediate Booster Station I | At Avani Perur East |
| | Collection well cum Pump House | 30.62 LL Collection well, Pump House Size 20.00 x 9.00 m |
| | Pumpsets | Vertical Turbine - 6 Nos. of duty 11090 Lpm X 77 m - 250 HP each (2 No. Standby) |
| | Raw water Main | Intermediate Booster Station I to Intermediate Booster Station II at Thappakuttai 1118 mm dia x 8.8 mm MS pipe – 17350 m |
| 9 | Intermediate Booster Station II | At Thappakuttai |
| | Collection well cum Pump House | 30.62 LL Collection well, Pump House Size 20.00 x 9.00 m |
| | Pumpsets | Vertical Turbine - 6 Nos. of duty 11090 Lpm X 81 m 220 HP each (2 Nos. Standby) |
| | Raw water Main | Intermediate Booster Station II to Water Treatment Plant at Kalparapatti 1118 mm dia x 8.80 mm MS pipe – 10000 m |
| 10 | Treatment Plant | 58.32 MLD (Full Scale Treatment Plant,Ultimate stage - 2051) |
| 11 | Clear water Sump | 38.00 LL Capacity - 2 Nos and 30.00 LL MSR - 6 m Staging - 1 No. |
| 12 | Clear Water Gravity Main | 237.095 km (700 mm -100 mm DI K7 & K9 Pipes and 63 mm to 200 mm HDPE Pipes) |
| 13 | Booster Stations | Capacity of Sump |
| | Poosanaickanur Booster Station | 2.50 LL Existing |
| | Vattamuthampatti | 3.20 LL Proposed |
| | Kadathur Agraharam Booster Station | 1.70 LL Proposed |
| | Ervadi Vaniyampadi Booster Station | 6.00 LL Existing |
| | Nilavarapatti Booster Station | 5.70 LL Proposed,1.10 LL |
| | Panamarathupatti Booster Station | 3.00 LL Proposed |
| | Kuralnatham Booster Station | 0.40 LL Proposed |
| 14 | Feeder main (Panchayat sump to OHTs) | |
| | Veerapandi Union | 307.177 km |
| | Panamarathupatti Union | 326.137 km |
| | Salem Union | 81.687 km |
| | Ilampillai TP | 14.270 km |
| | Panamarathupatti TP | 40.110 km |
| | Attayampatti TP | 17.200 km |
| | Mallur TP | 6.400 km |
| | Edanganasalai TP | 40.350 km |

| | Panchayat infrastructures | Panchayat wise sumps | | Pump sets Nos with 100% standby | OHTs | | D'System (Proposed OHT's) |
|----|---------------------------|---|----------|--|----------|----------|---------------------------------|
| | | Existing | Proposed | Proposed | Existing | Proposed | Length in m |
| 15 | Veerapandi Union | 11 | 25 | 93 | 275 | 104 | 49300 |
| | Panamarathupatti Union | 15 | 23 | 61 | 210 | 106 | 116200 |
| | Salem Union | 5 | 13 | 41 | 134 | 34 | 16200 |
| | Ilampillai TP | - | 1 | 4 | 13 | 1 | 2500 |
| | Panamarathupatti TP | - | 1 | 6 | 18 | 7 | 5000 |
| | Attayampatti TP | - | 1 | 4 | 19 | 1 | 2000 |
| | Mallur TP | - | 1 | 2 | 13 | - | - |
| | Edanganasalai TP | 1 | 4 | 5 | 3 | 8 | 6000 |
| 16 | Per capita Cost | Rs. 15,421.131 (Present) | | | | | |
| | | Rs. 11,358.098 (Ultimate) | | | | | |
| 17 | Cost per 1000 Litres | Rs. 14.71 (Project Cost + A.M.) | | | | | |
| | | Rs. 2.96 (A.M. alone) | | | | | |
| 18 | Administrative sanction | G.O. MS. No. 96 MA&WS (WS1) Dept Dt.09.09.2020 | | | | | |
| 19 | Technical Sanction | CE / CBE / TS No:37 dated 14.09.2020 for Rs.685.29 Crores | | | | | |
| 20 | Funding | NABARD : RIDF25-Rs.525.75 Cr & State Share-Rs.127.09 Cr | | | | | |