

SALIENT DETAILS

C.W.S.S to VC and RI, Erumaipatty RTP and 64 rural habitations

1. Scheme cost : Rs.1169.00 lakhs
2. Beneficiaries : Erumaipatty RTP – 1 no.
Mohanur union - 34 habs
Namakkal union - 13 habs
Erumaipatty – 17 habs
Total - 64 Habitations
3. Populations : 96156
4. Designed quantity : 5.38 mld
5. Head works with source details : River Cauvery at Mohanur
Surface water
1.Collection well 6m dia-4m depth
2.Raw water main : 2541m
6. pumpset :
 - a)Type : Turbine
 - b)Duty : 6500 lpm x 40m- 80HP-2nos(1+1 standby)
 - c)Hours of pumping : 16 hours
7. Treatment Plant(with units details) : 6.623 mld
 - 1.Aerator: 1no.-
5.12m dia height, 1.5, 2.5, 3.5 & 6m dia trays
 - 2.Clariflocclator-1no- 25m dia, 4.75m depth
 - 3.Filter house :4 beds; size:6m x 4m(3+1 standby)
137980 lit/hour/bed
8. Transmission main :
 - a)Pumping main : 62209m

- b)Gravity main : 1540m
9. Booster station :
- a)Sump with capacity : b)Pumpset details
- Kattur – 4.13 LL : HSC-2749 lpmx75m-60HP-2nos(1+1 standby)
HSC-660 lpmx67m-20HP- 2nos (1+1 standby)
HSC-3200 lpmx52m-60HP- 2nos(1+1 standby)
- Aniyapuram – 0.75 LL : HSC -1440 lpmx85m 60HP-2nos(1+1 standby)
HSC -1042 lpmx61m-25HP- 2nos (1+1 standby)
- Valayappatty-1.00LL : HSC -2700 lpm x 55m 6HP-2nos (1+1 standby)
Submer-200 lpm x 20m 3HP-2nos(1+1 standby)
- Erumaipatty-0.65 LL : HSC -947 lpm x 60m 25HP-2nos (1+1 standby)
Centri mono-890 lpmx20m-7.5HP-2nos(1+1 standby)
10. Feeder mains : 33197m
11. Service Reservoirs with capacity : 4.00 LL – 2nos.
1.00 LL – 6 nos.
60,000 lit – 18 nos.
30,000 lit – 21 nos.
15,000 lit – 1 no.
10,000 - 23 nos.

CWSS TO VC & RI ERUMAPATTI RTP AND 64 RURAL HABITATIONS IN NAMAKKAL DISTRICT.

FLOW DIAGRAM

