

SALIENT DETAILS

CWSS TO GINGEE-ANANTHAPURAM AND 10 OTHER HABITATIONS VILLUPURAM DISTRICT

1. Scheme Cost :
 - A) Installation Cost : Rs. 638.00 Lakhs
 - B) Annual Maintenance Cost : Rs. 11.70 Lakhs
2. Administrative Approval No & Amount : G.O MS No. 30/MA&WS dt 30-01-1997 for Rs. 638.00 Lakhs (Revised)
3. Technical sanction No & Amount :
4. Beneficiaries : 2 Town Panchayats & 10 Rural Habitations
5. Population
 - a) Present (1997) : 50,532
 - b) Intermediate (2012) : 50,532
 - c) Ultimate (2027) : 85,780
6. Level of Service : 40 lpcd & 70 lpcd
7. Designed Quatity (1997) : 1.62 MLD
 - b) Intermediate (2012) : 2.64 MLD
 - c) Ultimate (2027) : 2.75 MLD
8. Year of completion & Commissioning : 04/1997
 - a) Original Scheme : 04/1997
 - b) Improvement Scheme : -
9. Head works with source details : Infiltration well -4 Nos – 4.5 m dia 6.00 m depth 1000 lpm
Head works Collection Sump- 1,30,000 lits - 1 No
Bore well- 4 Nos 200mm dia 20 m Depth
700 Lpm X20 m H (10 HP)
10. Pumpset in Infiltration wells & Borewells
 - a) Type & Duty : 3 HP Submersible P' Set 775 lpm X 9 m Head (4+1)
: 10 HP Submersible pump set 700 lpm X 20 m Head (4)
: 40 HP Turbine P' Set 3100 lpm X 40 m Head (1+1)

c) Hours of Pumping : 20 Hours
11. Treatment Plant (With unit details) : - Nil-
12. Transmission Main
 - a) Pumping Main(New pumping main)
 - 350 mm DI K7 Pipe LS 0-2800
 - 350 mm DI K7 Pipe LS 2800-2930
 - 350 mm PSC 8 KSC Pipe LS 2930-5250
 - 350 mm AC CL10 Pipe LS 5250-6160
 - 350 mm DI K7 Pipe LS 6160-6410
 - 350 mm DI K7 Pipe LS 6410-8500
 - 350 mm PSC 8 KSC Pipe LS 8500-9140
 - 350 mm AC CL10 Pipe LS 9140-9730
 - 350 mm DI K7 Pipe LS 9730-12130
 - 350 mm DI K7 Pipe LS 12130-12580
 - 350 mm AC CL.10 Pipe LS 12580-22625
 - 300 mm AC CL.10 Pipe-LS22625-40630m
 - 250 mm AC Pipe-LS 40630- 48605 m
 - 200 mm AC Pipe-LS48905-49985 m

a) Pumping Main		350 mm DI K7 Pipe	-8120 m
		350 mm PSC 8 KSC	-2960m
	:	350 mm AC Pipe	- 11545 m
		300 mm AC Pipe	- 18,005 m
		250 mm AC Pipe	- 7975 m
		200 mm AC Pipe	- 1380 m

Total 49,980 m

b) Gravity Main : -NIL-

13. Booster Station	:	1) At Mugaiyur	
a) Sump with capacity	:	1,00,000 Lits	- 1 No
b) Pumpset Details	:	25 HP Cent P'Set	3100 lpm X 25 m Head (1+1)
		2) At Udayanatham	
		1,00,000 Lits	- 1 No
		40 HP Cent P'Set	2500 lpm X 38 m Head (1+1)
		3) At Athiyur	
		1,00,000 Lits	- 1 No
		15 HP Cent P'Set	1576 lpm X 24 m Head (1+1)
		4) At Melvalai	
		1,00,000 Lits	- 1 No
		10 HP Submersible P'Set	770 lpm X 45 m Head (1+1)
14. Feeder Mains	:	-	
15. No. of Group sump with capacity	:	-Nil-	

16. Service Reservoirs with capacity ;

6,00,000 Lits – 1 No, 2,50,000 Lits - 1 Nos
1,00, 000 Lits – 7 Nos 60,000 Lits - 3 Nos
30,000 Lits – 4 Nos 10,000 Lits - 1 No

17. Separate Power feeder main : Available for Head works & Booster Stations

18. Distribution System : -Nil-

CWSS TO GINGEE - ANANTHAPURAM TOWN PANCHAYAT AND 10 WAYSIDE RURAL HABITATIONS IN VILLUPURAM DISTRICT

FLOW DIAGRAM

