

SALIENT DETAILS

CWSS TO ATHI & 37 OTHER HABITATIONS IN ANAKAVUR UNION

1. Scheme Cost : Rs. 374.60 Lakhs
2. Beneficiaries : Habitations – 37 nos.

3. Populations : 25065
4. Total Daily Requirement : 1.15 mld
5. Head works with source details : Infiltration wells 3 nos in Cheyyar river

	Dia	Depth	Yield
IW.I	3.50 M	7.20 M	550 LPM
IW.II	4.50 M	7.20 M	800 LPM
IW.III	4.50 M	8.00 M	550 LPM
Sump	60000 Lit Capacity		
Pump room	1 no (10M X 8M)		
6. Pumpset

	IW.I	IW .II	IW.III	PUMPROOM
a. Type	3.00HP sub	3.00HP sub	3.00HP sub	I:12.50 HP C.F II:30.00 HP C.F
b. Duty	550lpmX12M	550lpmX12M		550lpmX12M I:432lpmX50M II:1165lpmX59M
c. Hours of pumping	: 16 Hours			
7. Transmission Main : Short Raising Main=125mmXDia CI LA CI=450M

a. Pumping Main	PM.I 125AC C/15 = 2880 M	P.M.II 200 CI 'A' CI = 194 M
	110 PVC 4ksc = 2513 M	200 AC CI 15 =7899 M
	90 PVC 4ksc = 3223 M	
b. Stand Post	: 30000 Lit Cap @ LS 8093 M with 6.00 M staging height	
c. Gravity Main	GM I 200 AC C/15 = 859M	GM II 200 AC C/15 =5094M
	150 AC C/15 = 2954 M	150 AC C/15 =2295 M
	140 PVC 6ksc = 3434 M	140 PVC 6ksc=4189 M
	110 PVC 6ksc = 301 M	110 PVC 6ksc=3141 M
	90 PVC 4ksc = 4229 M	90 PVC 4ksc =5329 M
8. Booster station

a. Sump with capacity	GM .I : Sump @ Vengodu = 5000 Lit Cap
	GM.II : Sump @ Paiyur = 5000 Lit Cap
b. Pumpset details	GM.I : 2.00 HP C.F X 100 lpm X 20 M Head = 1 No

GM.II : 2.00 HP C.F X 200 lpm X 20 M Head = 1 No

9. Feeder mains

PM.I 63 PVC 4ksc = 4370 M **PM.II** Nil

GM.I 90 PVC 4ksc = 8234 M **GM.II** 90mm PVC 4ksc=9565 M

10. Service reservoirs with capacity

: 10000 Lit = 5 nos 60000 Lit = 9 nos

 15000 Lit = 2 nos 100000 Lit = 1 No

 30000 Lit = 19 nos

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