

SALIENT DETAILS

CWSS TO MENALLUR-H & 10 OTHER HABITATIONS IN

VEMBAKKAM UNION

1. Scheme Cost : Rs. 80.720 Lakhs
2. Beneficiaries : Habitations – 11 Nos.
3. Populations : 8025
4. Total Daily Requirements : 0.321 mld
5. Head works with source details : Infiltration well 1 no & BW 1 no in cheyyar river

	Dia	Depth	Yield
IW 1 No -	4.50 M	7.50 M	1087 LPM
BW 1 No -	200 mm	10.50 M	400 LPM
Pump Room -	2 Nos	IW-1 No & BW – 1 No	
6. Pumpset

	IW	BW
a. Type	Submersible	Submersible
b. Duty	25HPX723lpmX89M Head - 2nos	15HPX400lpmX75M Head- 1 no
(with stand by)		
c. Hours of pumping	: 12 Hours	
7. Transmission Main : Short Raising main

IW = 150 CI A CI = 360 M
BW = 100 mm Dia CI A CI = 159.5 M
- a. Pumping Main **PM IWI** :

160 mm PVC Pipe 10ksc = 1093 M
150 mm GI pipe = 161 M
150 mm AC C/15 pipe = 3640 M
150 mm AC C/10 pipe = 5570 M
150 mm AC C/10 pipe = 1140 M
125 mm AC C/10 pipe = 420 M
90 mm PVC 4ksc pipe = 1260 M
90 mm PVC 4ksc pipe = 1440 M
BW : 150 mm AC C/15 pipe = 767 M
8. Booster Main : At Bavanthipuram
 - a. Sump with capacity : 30000 Lit Capacity 1 no
 - b. Pumpset details : 10.00 HP C.F Pset X 883 lpm X 30 M = 2 nos
(with stand by)
9. Feeder mains : 110 mm PVC pipe 4ksc = 331 M

90 mm PVC Pipe 4ksc = 446 M

90 mm PVC Pipe 4ksc = 380 M

10. Service reservoirs with capacity :

10000 Lit Cap = 1

30000 Lit Cap = 6

60000 Lit Cap = 3

