

SALIENT DETAILS

CWSS TO UMAYALPURAM, VEMBAKKAM & 10 OTHER

HABITATIONS IN

VEMBAKKAM UNION

1. Scheme Cost : Rs. 57.020 Lakhs
2. Beneficiaries : Habitations – 12 Nos.
3. Populations : 9668
4. Total Daily Requirements : 0.532 mld
5. Head works with source details : Infiltration well 1 no in River Palar
Vengalathur
Dia Depth Yield
IW 1 No - 3.50 M 6.00 M 800 LPM
6. Pumpset
 - a. Type : Submersible Pumpset
 - b. Duty : 20 HP X 708 lpm X 70 M Head = 2nos (with stand by)
 - c. Hours of pumping : 12 Hours
7. Treatment plant (with Units Details): ----
8. Transmission Main :
 - a. Pumping Main : Short Raising main = 150 CI AC CI 15 = 506 M
PM : 150 mm AC CI 15 pipe = 800 M
125 mm AC CI 15 pipe = 360 M
125 mm AC CI 15 pipe = 4965 M
100 mm PVC 4ksc pipe = 2506 M
90 mm PVC 4ksc pipe = 260 M
BPM : 110 mm PVC 4ksc pipe = 910 M
90 mm PVC 4ksc pipe = 2092 M
63 mm PVC 4ksc pipe = 3086 M
Sub BPM : 90 mm PVC 4ksc pipe = 60 M
 - b. Gravity Main : ----
9. Booster Station : At Kaganam
 - a. Sump with capacity : 5000 Lit Capacity 1 no
 - b. Pumpset details : 1.00 HP C.F Pset X 32 lpm X 20 M = 1 No
10. Feeder mains : 75 mm PVC pipe 4ksc = 2020 M
63 mm PVC Pipe 4ksc = 1028 M
11. No of Group sump with capacity : ----
12. Service reservoirs with capacity : 5000 Lit Cap = 1 30000 Lit Cap = 4

10000 Lit Cap = 1 60000 Lit Cap = 1
15000 Lit Cap = 4 100000 Lit Cap = 1

13. Separate power feeder main details:

24 Hours Separate Available

14. Distribution system :

96 mm, 63 mm PVC Pipe 4ksc = 18100 M

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