

SALIENT DETAILS

CWSS TO SODIYAMBAKKAM & 10 OTHER HABITATIONS IN

VEMBAKKAM UNION

1. Scheme Cost : Rs. 98.00 Lakhs
2. Beneficiaries : Habitations – 11 Nos.
3. Populations : 9650
4. Total Daily Requirements : 0.53 mld

5. Head works with source details : IW, OW, BW in cheyyar river

			Dia	Depth	Yield
	IW	I	: 4.50 M	8.10 M	1200 LPM
	OW	II	: 4.50 M	10.40 M	400 LPM
	BW	III	: 0.15 M	11.00 M	350 LPM

6. Pumpset

	IW	OW	BW
a. Type	Sub	Sub	Sub
b. Duty	20HPX736lpmX73M H-2nos (with stand by)	10HPX400lpmX75M H-2nos (with stand by)	5HPX250 lpmX75M H-2nos (with stand by)
c. Hours of pumping	: 16 Hours		

7. Transmission Main : Short Raising main

IW	: 150 mm Dia CI D/F pipe = 399 M
OW	: 80 mm Dia GI Pipe = 8 M
BW	: 80 mm Dia GI Pipe = 550 M

a. Pumping Main : H.W to Sump @ Sodiyaambakkam

	: 150 mm Dia CI'A'CI Pipe = 950 M
	: 150 mm Dia CI'A' CI Pipe = 683 M
	: 150 mm Dia AC CI 15 Pipe = 5139 M

8. Booster Main : At Sodiyaambakkam

a. Sump with capacity	: 60,000 Lit Cap
b. Pumpset details	BM.I : 10HP C.F PsetX411lpmX43M=2nos (with stand by)
	BM.II : 3HP C.F PsetX325lpmX16 M = 2nos (with stand by)

9. Feeder mains

BM.I : 110 mm PVC pipe 6ksc = 1080 M

110 mm PVC pipe 4ksc = 3120 M

BM.II 110 mm PVC pipe 4ksc = 6 M

90 mm PVC pipe 4ksc = 1452 M

BPM : 110 mm PVC pipe 4ksc = 9 M

90 mm PVC pipe 4ksc = 630 M

75 mm PVC pipe 4ksc = 2052 M

63 mm PVC pipe 4ksc = 1456 M

10. Service reservoirs with capacity : 10000 Lit Cap = 1 no 60000 Lit Cap = 2 nos

15000 Lit Cap = 1 no 100000 Lit Cap = 1 no

30000 Lit Cap = 6 nos

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