

**CWSS TO 73 HABITATIONS OF VEPPUR UNION IN PERAMBALUR DISTRICT
(61 HABITATIONS WITH RIVER VELLAR AS SOURCE & 12
HABITATIONS FROM CWSS TO 645 HABITATIONS IN ARIYALUR DISTRICT.)**

(FOR 12 HABS)

1	River Source not covered No of Habitation(from CWSS to 645 habs in 8 panchayat)	:	12
2	Population		
	a) Present stage (2020)	:	7864
	b) Intermediate stage year (2035)	:	9508
	c) Ultimate stage year (2050)	:	11474
3	Per capita supply		
	1. Veppur Union	:	55 LPCD
4	Water supply service level		
	1. Veppur Union	:	10-30 LPCD
5	Requirement (Total)		
	a) Present stage (2020)	:	0.39 MLD
	b) Intermediate stage year (2035)	:	0.47 MLD
	c) Ultimate stage year (2050)	:	0.57 MLD
6	Hours of pumping		
	Head works & Booster sumps	:	20 Hours
	Group sumps	:	12 Hours
7	Rate of Discharge for 20 Hours	:	
	Intermediate stage year (2035)	:	393 LPM
	Ultimate stage year (2050)	:	474 LPM
8	Head woks		
			From cwss to 645 habs in Ariyalur dt.
9	Pumping main ,Feeder mains, Branch mains to Group sumps and Feeder mains from Group sumps to SR		Total length 21.795 Km. 200 mm HDPE-PN-6 pipes - 50 mm HDPE-PN-6 pipes)

10 Pumpsets

**Open well
Submersible**

SL. NO	Description	LPM	Head in m
1	From Melamathur GS to Lakshmipuram GS of CWSS to 645 habitations	1426	54
2	Puduvettaikudi kadu GS of CWSS to 645 habitations	360	19
3	Koilpalayam GS of CWSS to 645 habitations	338	18
4	Vayalapadi GS of CWSS to 645 habitations	354	34
5	Lakshmipuram GS of CWSS to 645 habitations	299	29
6	Elumur GS of CWSS to 645 habitations	608	62
7	Perivenmani GS of CWSS to 645 habitations	2284	9
8	Anganur GS of CWSS to 645 habitations	276	32

11 Service Reservoirs and D' System

Sl. No.	Description	Existing	Proposed
1	SERVICE RESERVOIRS	10000 lit -4 Nos.	
		30000 lit. – 8 Nos.	
	TOTAL	– 12 Nos.	
2	DISTRIBUTION SYSTEM	18 Km	,-----
3	PUBLIC FOUNTAIN	108 Nos.	,-----

12) **Cost of Installation(rough cost** : **Rs.3.58 crore**13) **Annual Maintenance cost** : **Rs.7.30 laks**14) **Per capita cost** : **Rs. 4792/-**15) **Cost /1000 Litres** : **Rs. 11.21/-**16) **Cost /1000 Litres (A.M. alone)** : **Rs. 4.26/-**