

SALIENT DETAILS

CWSS TO KADAPERI AND 7 OTHER HABITATIONS IN WALAJA UNION IN RANIPET DISTRICT

1 Scheme Cost

a) Installation cost : Rs.79.25 Lakhs

b) Annual Maintenance cost : Rs.2.31 Lakhs

2 Administrative approval No & Amount : MD TWAD Chennai Proc No F Kadaperi
CWSS/AE1/PDC/2011 dt 20.01.2012

3 Technical Sanction No & Amount : Rs.79.08 Lakhs vide SE/TWAD/VT Circle/VLR
Proc.No.F.Kadaperi CWSS/T1/2012/Dt.23.01.2012

4 Beneficiaries :

SI. No	Panchayat	Habitation	Others	SC/ST	Total	Requirement in Lakh Lit/day
1.	Kadaperi	1) Kadaperi	1273		1273	
		2) Kadaperi ADC		545	545	
2.	Poondi	1) Poondi	2257		2257	
		2) Poondi ADC		155	155	
3.	Sathampakkam	1) Sathampakkam	1017		1017	
		2) Sathampakkam ADC		639	639	
4.	Thirumalaicheri	1) Thirumalaicheri	2280		2280	
		2) Ceylon Refugee Camp	1030		1030	
	TOTAL				9196	4.02

5 Population

i) Present Year 2012 9196

ii) Intermediate 2027 10115

iii) Ultimate 2042 11034

6 Level of Service : 44 Lpcd (including 10% transmission loss)

7 Designed Quantity

(a) Present : 4.02 Lakhs

(b) Intermediate : 4.45 Lakhs

(c)Ultimate	:	4.65 Lakhs	
8 Year of Completion & Commissioning	:	2012 / 2012	
9 Original Scheme	:	Original	
10 Improvement Scheme	:	-	
11 Head works with Dource details			
a) Source	:	1) 4.5m dia Infiltration wells – 1No, 12m Depth at River Palar Athipattu 2) 3.5m dia Infiltration wells – 1No, 14m Depth at River Palar Athipattu	
b) Yield of the source	:	600 Lpm	
c) Pumpset	:	<u>Submersible Pumpsets for I.W</u> 10 HP – 466 Lpm x 67m – 2Nos	
d) Hours of Pumping	:	16 hours	
12 Transmission Main			
a) Pumping Main	:	160mm dia PVC Pipes (6 KSC) – 3900m 160mm dia PVC Pipe (4KSC) – 1782m 140mm dia OD PVC Pipe (4KSC) – 2150m 110mm dia OD PVC Pipe (4KSC) – 664m 63mm dia OD PVC Pipe (4KSC) – 3920m	
			----- Total – 11962m -----
b) Branch Pumping Main	:	75mm dia PVC Pipe (4KSC) – 3920m 63mm dia PVC Pipe (4KSC) – 1902m 50mm dia OD PVC Pipe (6KSC) – 644m	
			----- Total – 6466m -----
13 Gravity Main	:	-	
14 Booster Stations	:	-	
i) Sump	:	-	
ii) Pumpset	:	-	
15 Service Reservoirs	:	i) 60,000 Lit OHT - 5 Nos ii) 30,000 Lit OHT – 3 Nos	
16 Distribution System	-	11000m	

CWSS TO KADAPERI AND 7 OTHER HABITATIONS IN WALAJAH UNION IN VELLORE DIRSTRICT

SCHEMATIC DIAGRAM

