

## SALIENT DETAILS

### CWSS TO SUMAITHANGI AND 13 OTHER HABITATIONS IN WALAJAH UNION IN RANIPET DISTRICT

1 Scheme Cost

a) Installation cost : Rs.98.20 Lakhs

b) Annual Maintenance cost : Rs.6.70 Lakhs

2 Administrative approval No & Amount : MD TWAD Chennai Proc No F Sumaithngi  
CWSS/AE1/PDC/2012 dt 04.12.2012

3 Technical Sanction No & Amount : Rs.99.72 Lakhs vide SE/TWAD/VTcircle/VLR  
Proc.NO.F.Sumaithangi CWSS/T1/2012/DT  
06.12.2012

4 Beneficiaries :

SI. No	Panchayat	Habitation	Others	SC/ST	Total	Requirement in Lakh Lit/day
1.	Sumaithngi	1) Sumaithngi	2269			
		2) Sumaithangi HC	515	515		
		3) Periyar Nagar	568			
		4) Pondevi nagar	252			
		5) Thendra Nagar	755			
		6)Kupattumotur	614			
	Kadeperi	1)Ramapuram	1171			
		2) Ramapuram col	956	956		
		3) Erular Colony	523			
		4) Udhyamnagar	694			
		5) Ashok Nagar Colony	579	579		
3.	Bhagavalli	1) Bhaghavalli	1504		} At present not supplied as per request of President	
		2)Periyar nagar	654			
		3) Chelliyamman Nagar	177			
	<b>TOTAL</b>		11231	2050		<b>4.02</b>

5	Population		
	i) Present Year	2012	: 11231
	ii) Intermediate	2027	: 12354
	iii) Ultimate	2042	: 13478
6	Level of Service		: 40 Lpcd
7	Designed Quantity		
	(a) Present		: 4.68 Lakhs
	(b)Intermediate		: 4.94
	(c)Ultimate		: 5.39
8	Year of Completion & Commissioning		: 2014
9	Original Scheme		: Original
10	Improvement Scheme		: No- Additional source sedimentary borewell 3nos(under MP Fund)
11	Head works with Dource details		
	a) Source		: 3.5m dia 9.00m Depth Infiltration wells –1No, Sedimentry Borewells 3nos,18m depth at River Palar near Athipattu
	b) Yield of the source		: 750 Lpm
	c) Pumpset		: <u>Submersible Pumpsets for I.W</u> 10 HP – 567 Lpm x 57m –1No
	d) Hours of Pumping		: 16 hours
12	Pumping Main		: 160mm dia OD PVC Pipe (4KSC) – 3000m 160mm dia OD PVC Pipe (4KSC) - 1200m 140mm dia OD PVC Pipe (4KSC) – 478m 110mm dia OD PVC Pipe (4KSC) – 1183m 90mm dia OD PVC Pipe (4KSC) – 5m
	Connectingmain (3Nos)		: 75mm dia OD PVC Pipe (4KSC) – 1200m
			<b><u>Total – 7066m</u></b>
13	Branch Pumping Main		: 75mm dia OD PVC Pipe (4KSC) – 227m 63mm dia OD PVC Pipe (4KSC) – 1121m 50mm dia OD PVC Pipe (4KSC) – 615m

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**Total 5933m**  
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14 Gravity Main : -

15 Booster Stations : 110mm dia OD PVC Pipe (4KSC) 3910m  
90mm dia OD PVC Pipe (4KSC) – 1378m  
75mm dia OD PVC Pipe (4KSC) – 615m

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**Total 5903m**  
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i) Sump with Capacity : At Head Works Sump 60000 Lit  
At Booster at Sumaithangi 60000 Lit  
ii) Pumpset : At Head Works 10HP Submerisable Pumpset  
567lpmX57m

16. Service Reserviors : i) 10000 Lit OHT - 1No  
ii) 60000 Lit OHT - 4No  
iii) 30000 Lit OHT - 6No  
iv) 10000 Lit OHT - 2No

17. Separate power feeder main details : Not Available

18. Distribution System : 2000m

Scheme executed under MP/ Arakkonam constituency fund

Source : 3 No. of sedimentary borewell 150mm Dia and 20m  
depth Yield 150 lpm.

Pumpset : Sumerisable 50 lpm x 175m 3HP

Sump : 60000 Lit Capacity pumpset.

Pumpset : 5HP sub 350 lpm x 75 m

Pumping main : 75mm PVC 4KSC 252m, 65mm, GI 450m

CWSS TO SUMAITHANGI AND 13 OTHER HABITATIONS IN WALAJAH UNION IN VELLORE DISTRICT

