

**CWSS TO 100 HABITATIONS IN MUTHAMPALAYAM AND 10 OTHER
VILLAGE PANCHAYATS IN ERODE MODAKURCHI UNION OF ERODE
DISTRICT**

1. POPULATION :

Census : 2001	38294
Present : 2006	39974
Intermediate 2021	43984
Ultimate 2036	47968

2. PER CAPITA SUPPLY 40 / 30 LPCD

3. HEAD WORKS

River Cauvery near Periyasemur WSS Head works

Present 2006	1794463 lit	1.79 mld
Intermediate (2021)	1974427 lit	1.97 mld
Ultimate (2036)	2153286 lit	2.15 mld

4. HOURS OF PUMPING 20 hours

5. SOURCE Surface water of Cauvery river near Periyasemur

WSS Head works cum pump house 5.00m dia

6. DETAILS OF COMPONENTS PROPOSED

(a) Raw Water Main	<u>250mm DI/AC pipes 7590m</u>
	250mm DI K-9 Class S/S Pipes : 614m
	250mm DI K- 9 Class D/F pipes : 16 m
	250mm DI K-7 Class S/S Pipes : 2730m
	250mm AC Class 15 pipes : 4230m

Raw Water Pumpset

(b) Treatment Plant 1647 lpm x 78m – Vertical Turbine
Full scale treatment plant – 2.15 mld @
Thottampatti

(c) Clear Water sump capacity 1.00 LL

(d) Clear water Pumpset: 1499 lpm x 37m – Open well submersible
70 lpm x 14m – Open well submersible

(e) Clear Water Main

250mm AC CL 15	4470m
200mm AC CI 15	9710m
150mm AC CI 15	7535m
140mm PVC 6 KSC	30m
140mm PVC 4 KSC	6510m
110mm PVC 4 KSC	5605m
90mm PVC 4 KSC	16815m
63mm PVC 6 KSC	1480m
63mm PVC 4 KSC	24265m
50mm PVC 6 KSC	31140m
Total	107560 m

(f) BOOSTER STATIONS :

(i) Vidya Nagar Sump 1.00 LL Capacity

Pumpset (a) 347 lpm x 47m – Open well submersible
 (b) 370 lpm x 11m – Open well submersible
 (c) 673 lpm x 25m – Open well submersible

Pumproom Size – 6m x 4 m

(ii) Karukkampalayam Sump 0.10 LL Capacity

Pumpset (a) 53 lpm x 28m – Open Well submersible

Pumproom Size – 2m x 1.5m

(iii) Mullamparappu Sump 0.30 LL Capacity
Pumpset (a) 201 lpm x 33m – Open well submersible
Pumphouse Size – 4 m x 4 m

(iv) Nallantholuvu Sump 0.10 LL Capacity
Pumpset (a) 80 lpm x 40m – Open well submersible
Pumphouse Size – 2 m x 1.5 m

(g) STAND POST

(i) Keelthindal 0.60 LL Capacity 12 m staging height

(ii) Vaikkalmedu 0.60 LL Capacity 12m staging height

(h) Service Reservoirs

SL.NO	CAPACITY	EXISTING	NEW
a)	1.00 LL	4	--
b)	0.60 LL	12	--
(c)	0.30 LL	27	6
(d)	0.10 LL	13	22
	TOTAL	56	28

(i) Distribution System New 31.00km Existing 68.80 Km

(j) Public fountains New 67 Nos Existing 297 Nos.

7. Administrative Sanction Details : B.P. Ms. No.25 dt. 25.01.2006

Installation Cost Rs. 678 Lakhs

Annual Maintenance Rs. 40 Lakhs

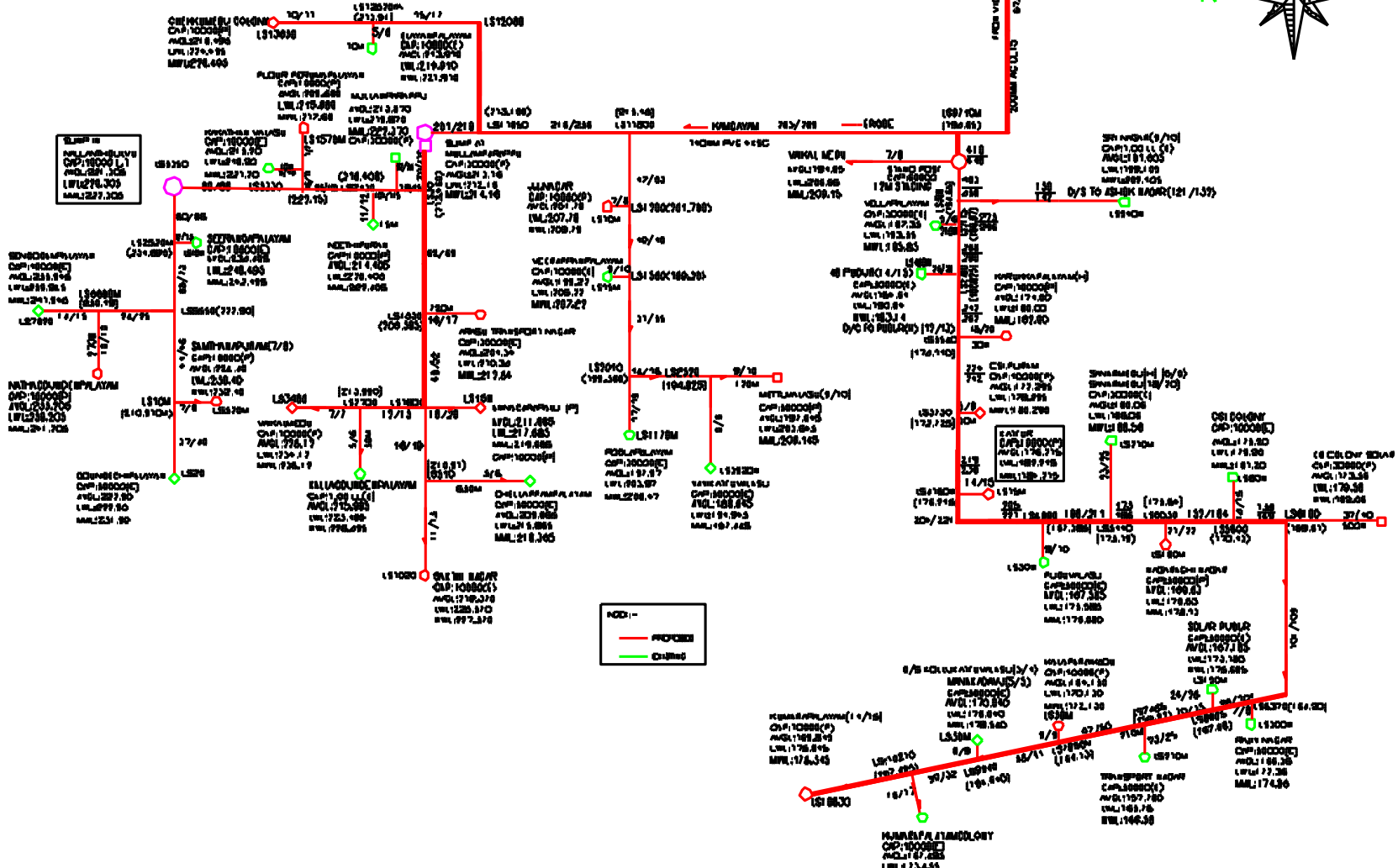
8. Cost per 1000 litres Rs. 15.14

9. Per Capita Cost Rs.1696/-

10. Technical Sanction Details CE/WR/CBE/No.66/2005-2006

Dt. 28.01.2006 for Rs.678.00 Lakhs

FLOW DIAGRAM



NOD :-
— PROPOSED
— EXISTING

TITLE, DATE, SCALE, SHEET NO. AND DRAWING CODE		
FLOW DIAGRAM		
PLAN NO. DATE / YEAR SHEET NO. / TOTAL SHEETS		
DESIGNER	CHECKER	SCALE (AS SHOWN ON SHEET)

FLOWDIAGRAM

