

### SALIENT DETAILS

1 Name of work : CWSS to Athikombai and 27 other habitations in Oddenchatram union of Dindigul District

2 Source : Existing Open well at Kannimar Koil area  
6.00m dia with 20 m depth

3 Population and Requirements:

C) Population:

Present (Base year) Population (2012) 11017

Intermediate Population (2027) 12119

Ultimate Population (2042) 13221

D) Requirement:

Pro rate of supply 25LPCD

Intermediate Requirement 290704 litres

Ultimate Requirement 312187 litres

Hours of Pumping 10 hours

Intermediate Requirement 484 LPM

Ultimate Requirement 522 LPM

4) SUMP

30000 litres capacity sump @ MLA Office 1 No

5) PUMP SET

At Open well

Submersible pumpset of 600 LPM X 40 M head-7.50 HP-1 No.

Sump at MLA Office

1 Submersible pumpset of 325 LPM x 25 M head -3.00 HP-1 No

2 Submersible pumpset of 175 LPM x 50 M head -3.00 HP-1 No

6) PUMP ROOM

1.50M x 1.50 M- 2 Nos

7) Pumping main and Branch Mains

125 mm GI Pipes - 72.20 m

100 mm GI Medium Pipes - 32.80 m

80 mm GI pipe - 62.80 m

140 mm PVC 4 KSC Pipes - 3797 m

110 mm PVC 4 KSC Pipes - 1320 m

90 mm PVC 6 KSC Pipes - 892 m

90 mm PVC 4 KSC Pipes - 4037 m

75 mm PVC 4 KSC Pipes - 624 m

63 mm PVC 4 KSC Pipes - 10115 m

63 mm PVC 6 KSC Pipes - 18 m

50 mm PVC 4 KSC Pipes - 2000 m

65 mm GI Medium Pipes - 26.20 m

50 mm GI Medium Pipes - 385.40 m

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23382.40 m  
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8) Service Reservoir - Existing

9) Distribution System - Existing

10) Public Fountains - Existing

11) COST

Installation cost - Rs. 49.80 Lakhs

A M Cost - Rs. 3.60 Lakhs

12) PER CAPITA COST - For Present Population - Rs. 452.00

13) COST PER 1000 LITRES Cost / 1000 - Rs. 4.62

14) FUND - MNP Fund

# CWSS TO ATHIKOMAI AND 27 OTHER HABITATIONS IN ODDANCHATRAM UNION

Estimate Amount : Rs. 49.80 Lakhs

## FLOW DIAGRAM

