

**PROVIDING WATER SUPPLY TO 3 HABITATIONS IN MUTTOM VP IN
KURUNTHENCODE UNION IN KANYAKUMARI DISTRICT BY TAPPING WATER
FROM ERANIEL CWSS**

SALIENT DETAILS

- 1) **Population**
 - a) Present stage (2022) : 10,282
 - b) Intermediate stage year (2037) : 12,132
 - c) Ultimate stage year (2052) : 13,572
- 2) **Per capita supply** : 55 LPCD
- 3) **Requirement (Total)**
 - a) Present stage (2022) : -
 - b) Intermediate stage year (2037) : 0.20 MLD
 - c) Ultimate stage year (2052) : 0.22 MLD
- 4) **Hours of Pumping**
 - Head works to sumps : 23 Hours
 - Sumps to Service Reservoir : 12 Hours
- 5) **Rate of Discharge for 18 Hours** :
 - Intermediate stage year (2037) : 279 LPM
 - Ultimate stage year (2052) : 301 LPM
- 6) **Source** : Tapping (from ERANIEL CWSS) @ LS 7024m of Pumping main from Eraniel Booster sump to Melasankarankuzhi sump
- 7) Pumping main to Muttom sump (proposed) : 125mm HDPE - 7.250 Km
- 8) Sump @ Muttom (proposed) : 1.10 LL
- 9) Feeder main from proposed sump to Existing SR's : 110 mm HDPE to 63 mm HDPE PN 6-2.96 Km
- 10) Pumpsets (Muttom sump to Existing SR's) : Sumersible Pumpset. 1 No.
Duty 297 lpm x 11m head (12 hrs pumping)
- 11) Service Reservoirs : **Existing SR - 6 Nos.**
1.00LL - 3 Nos 0.60LL - 1 No.
0.30 LL - 2 Nos
- 12)

Functional House Tap Connection (FHTC) Status		Total No of Households	Availabl e FHTC	Proposed FHTC
for 1 habitation		2738	2643	95
- 13) **Cost of Installation**
 - Part A - TWAD COMPONENTS : **Rs. 359.62 lakh**
 - Part B - RD COMPONENTS : **Rs. 9.26 lakh**
 - Total Project Cost : **Rs. 368.88 lakh**
- 14) **Annual Maintenance cost** : **Rs. 5.00lakh**
- 15) **Per capita cost** : **Rs. 3498/--**
- 16) **Cost /1000 Litres** : **Rs. 23.00/--**
- 17) **Cost /1000 Litres (A.M. alone)** : **Rs. 6.85/-**
- Cost /FHTC** : **Rs. 13,473/-**