

SALIENT DETAILS

CWSS TO KALIYAKKAVILAI AND METHUKUMMAL IN KANYAKUMARI DISTRICT

1. Scheme Cost : Rs.198.51 Lakhs

2. Beneficiaries
 - a) Town Panchayat : 1 No
 - b) Habitations : 20Nos
2. Populations : 38,135
3. Designed Quantity : 2.238 mld
4. Head works with Source details : I. Wells 4 Nos in
Kuzhithuraiyar river at
Chengilagam

9. Pumpset
 - a) Type : Submersible - 9 Nos , Centrifugal 4 Nos

 - b) Duty : 1) 3HPx584 Lpmx14m Head : 5 Nos 40HPx1768 Lpmx60m Head -2 Nos
2) 4HPx584 Lpmx13m Head : 2 Nos 25HPx566 Lpmx90m Head -2 Nos
3) 5HPx584 Lpmx20m Head : 2 Nos

 - a) Hours of Pumping : 18 Hours
Sump 1.00 Lakh litres

10. Transmission Main (AC/CI/PVC)
 - a) Pumping main : 19,719m

11. Booster Station : Kamaraj Nagar
 - a. Sump with capacity : 30000 litres
 - b. Pumpset details : Centrifugal
20 Px1029m Lpm x40mHead – 2 Nos

12. Feeder Mains : 1600m
13. Service Reservoirs with capacity : 13 Nos

3.00 lakhs litres	:	3 Nos
1.00 lakhs litres	:	2 Nos
60000 litres	:	2 Nos
30000 litres	:	4 Nos
10000 litres	:	2 Nos

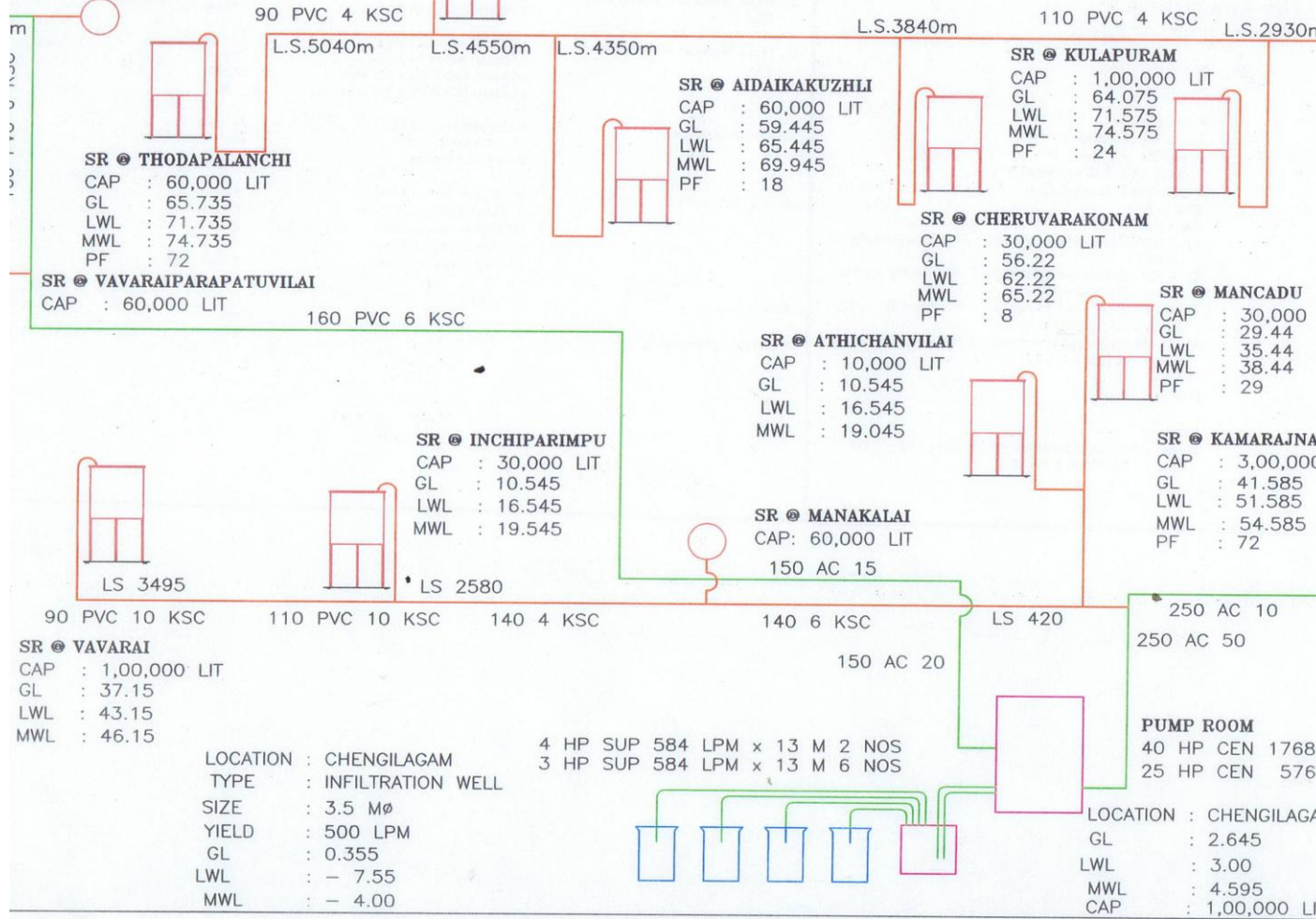
TWAD BOARD SCHEMATIC DIAGRAM

KALIAKAVILAI AND METHUKUMMAL COMBINED WATER SUPPLY SCHEME

SR @ METHUKUMMAL
 CAP : 3,00,000 LIT
 GL : 70.105
 LWL : 80.105
 MWL : 83.105
 PF : 72

SR @ CHENGAVILAI
 CAP : 10,000 LIT
 GL : 62.905
 LWL : 68.905
 MWL : 71.405
 PF : 6

SR @ KUTHIRACHIVILAI
 CAP : 60,000 LIT



SR @ THODAPALANCHI
 CAP : 60,000 LIT
 GL : 65.735
 LWL : 71.735
 MWL : 74.735
 PF : 72

SR @ VAVARAIPARAPATUVILAI
 CAP : 60,000 LIT

SR @ AIDAIKAKUZHLI
 CAP : 60,000 LIT
 GL : 59.445
 LWL : 65.445
 MWL : 69.945
 PF : 18

SR @ KULAPURAM
 CAP : 1,00,000 LIT
 GL : 64.075
 LWL : 71.575
 MWL : 74.575
 PF : 24

SR @ CHERUVARAKONAM
 CAP : 30,000 LIT
 GL : 56.22
 LWL : 62.22
 MWL : 65.22
 PF : 8

SR @ MANCADU
 CAP : 30,000 LIT
 GL : 29.44
 LWL : 35.44
 MWL : 38.44
 PF : 29

SR @ ATHICHANVILAI
 CAP : 10,000 LIT
 GL : 10.545
 LWL : 16.545
 MWL : 19.045

SR @ INCHIPARIMPU
 CAP : 30,000 LIT
 GL : 10.545
 LWL : 16.545
 MWL : 19.545

SR @ MANAKALAI
 CAP : 60,000 LIT

SR @ KAMARAJNA
 CAP : 3,00,000 LIT
 GL : 41.585
 LWL : 51.585
 MWL : 54.585
 PF : 72

SR @ VAVARAI
 CAP : 1,00,000 LIT
 GL : 37.15
 LWL : 43.15
 MWL : 46.15

LOCATION : CHENGILAGAM
 TYPE : INFILTRATION WELL
 SIZE : 3.5 M ϕ
 YIELD : 500 LPM
 GL : 0.355
 LWL : - 7.55
 MWL : - 4.00

4 HP SUP 584 LPM x 13 M 2 NOS
 3 HP SUP 584 LPM x 13 M 6 NOS

PUMP ROOM
 40 HP CEN 1768
 25 HP CEN 576

LOCATION : CHENGILAGAM
 GL : 2.645
 LWL : 3.00
 MWL : 4.595
 CAP : 1,00,000 LIT