

# SALIENT DETAILS

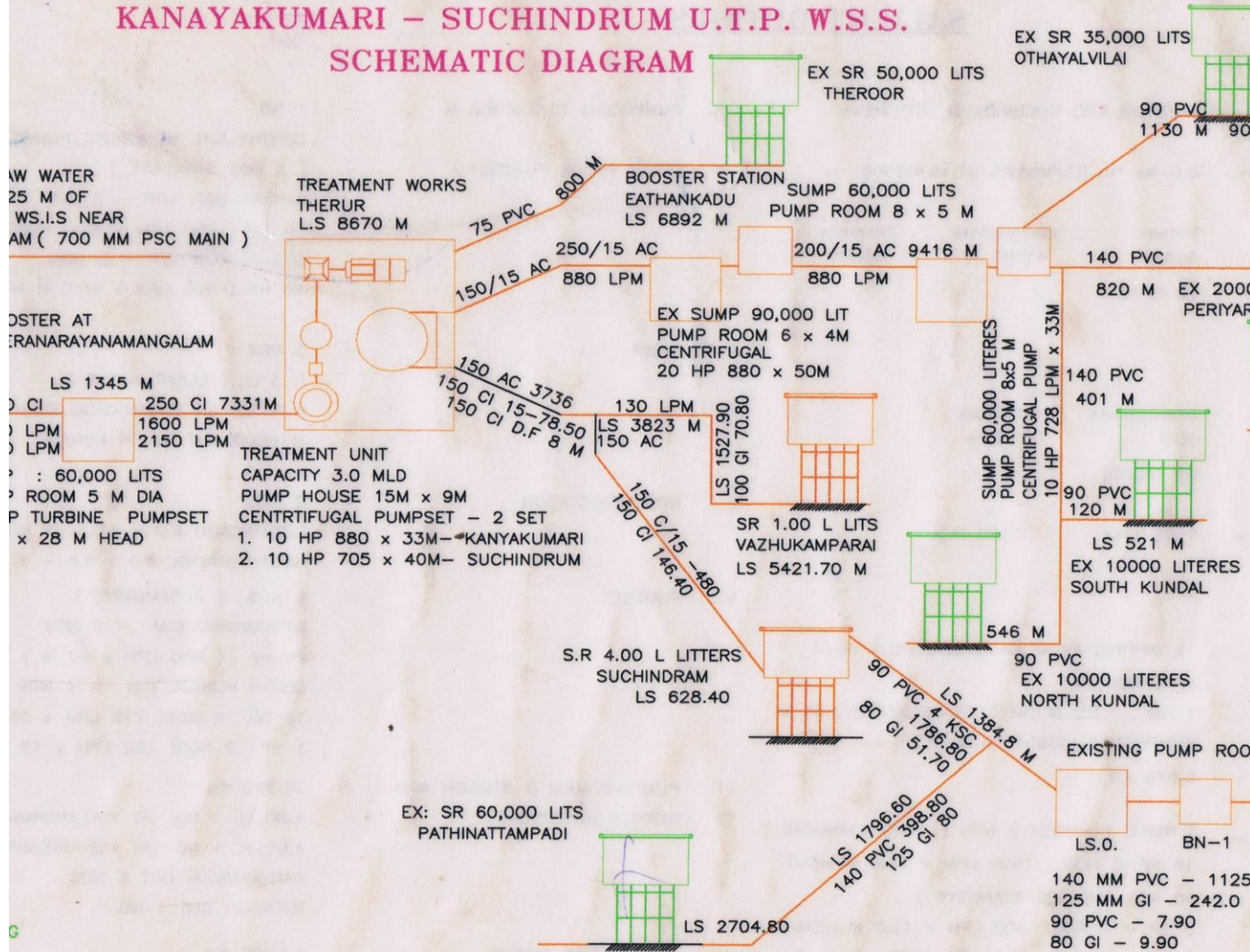
## CWSS TO KANYAKUMARI AND SUCHINDRAM RTPs IN

### KANYAKUMARI DISTRICT

|   |   |   |
|---|---|---|
| 1. Scheme Cost                          | : | Rs.865.25 lakhs   |
| 2. Beneficiaries                        |   |   |
| Town Panchayat                          | : | 3 Nos   |
| 3. Populations                          | : | 35558   |
| 4. Designed Quantity                    | : | 2.09 mld  |
| 5. Head works with Source details       | : | Raw water tapped from Mukkadal Dam  |
| 6. Pumpset                              | : | 15.0 HP   |
| a) Type                                 | : | Turbine   |
| b) Duty                                 | : | 1600lpm x 28m Head  |
| c) Hours of Pumping                     | : | 24Hours   |
| 7. Treatment Plant (With Units Details) | : |   |
| Capacity                                | : | 3 MLD   |
| Aerator                                 | : | Water fall type cascade with collection tray with 4.50m Dia, 3 falls of 1.0m , 1.75m, 2.50m |
| Chlorination                            | : | Chlorination with K Type  |
| Dosage                                  | : | 2 PPM   |
| Sedimentation tank                      | : | 7m x 7m : 2 Nos<br>Hopper bottom with storage depth : 3m                                    |
| Rapid Sand Filter                       | : | Size 4m x 3m Depth : 2.40m<br>3 Nos 100 lpm /m <sup>2</sup>                                 |
| Clear Water Sump                        | : | 3.00 lakh litres  |
| 8. Transmission Main                    | : |   |
| a) Pumping main 250 -150 mm AC          | : | 25,100m   |
| 9. (i) Head Works                       | : | Veeranarayanamangalam   |

|                                      |   |   |
|--------------------------------------|---|---|
| a. Sump with capacity                | : | 60,000 litres   |
| b. Pumpset details                   | : | 15 HP Turbine<br>1600 Lpmx28m Head  |
| (ii) Treatment Plant                 | : | Theroor   |
| a. Sump with capacity                | : | 3.00 Lakh litres  |
| b. Pumpset details                   | : | 10 HP Centrifugal<br>880 Lpm x 33 m Head<br>10 HP Centrifugal<br>705 Lpmx40m Head |
| (iii) Booster Station                | : | Eathankadu  |
| a. Sump with capacity                | : | 0.90 Lakh litres  |
| b. Pumpset details                   | : | 20 HP Centrifugal<br>880 Lpmx50m Head   |
| (iv) Booster Station                 | : | Southkundal   |
| a. Sump with capacity                | : | 0.60 Lakh litres  |
| b. Pumpset details                   | : | 10 HP Centrifugal<br>728 Lpmx33mH<br>3HP Centrifugal<br>152 Lpmx13mH              |
| 10. Feeder Mains                     |   |   |
| 140m PVC to 63mm PVC Pipe            | : | 5950m   |
| 11. Service Reservoirs with capacity | : | 12 Nos  |
| 4.00 lakhs litres                    | : | 1 No  |
| 2.00 lakhs litres                    | : | 2 Nos   |
| 1.00 lakhs litres                    | : | 5 Nos   |
| 60000 litres                         | : | 3 Nos   |
| 30000 litres                         | : | 1 No  |

# KANAYAKUMARI - SUCHINDRUM U.T.P. W.S.S. SCHEMATIC DIAGRAM



SED