

## THIRUMAZHISAI UNDER GROUND SEWERAGE SCHEME

- Thirumazhisai Town Panchayat has an extent of 4.53 sq km and consists of 15 wards, 111 streets with total length of street is 26.59 km.
- The sewerage scheme for this Town Panchayat has been designed for a period of 30 years from 2010-2040. The sewage generation is calculated as 120 lpcd i.e (80% of 135



LPCD water supply and 12 lpcd infiltration) and quantity during 2010 is 2.47 MLD, in 2025 is 3.32 MLD, in 2040 is 4.47 MLD. The population to be benefited by the Scheme is 20573 during 2010, 27688 during 2025 and 37264 during 2040 in the Town Panchayat.

- The scheme cost of “Providing Comprehensive sewerage scheme to

Thirumazhisai Town Panchayat was sanctioned by Central Sanctioning and Monitoring Committee of JnNURM on 14.01.2009 for Rs 2047.32 lakhs. Implementation of the scheme has been entrusted to CMWSSB.

- The Government has accorded Administrative approval vide G.O(D) No.544 MA&WS(TP2) Department dated 24.12.2009 for Rs 2047.32 Lakhs. Administrative approval for Rs. 2094 lakhs has been accorded by Board vide. Res. No. 60/2009 dt 21.02.2009. Technical sanction was accorded for Rs 1951.20 lakhs on 28.02.2009.
- The funding pattern is Govt. of India contribution 35% (Rs 716.56 Lakhs), Govt. of Tamilnadu contribution 15% (Rs 307.10 Lakhs) and the balance 50% (Rs.1023.66 Lakhs) should be borne by the local ULB through mobilization and loan assistance from TUFIDCO.
- The Pollution Control Board accorded consent to establish the STP with effluent disposal at Anaikattucheri / Coovum River which is 8.5 km away from STP as against the original proposal of Vellavedu River (3.18 km).

- The additional length causes change in the size of pipe. In addition, items such as construction of compound wall for STP, Raising the formation level of STP area to that of NH-4 are not in the scope and required to be done.
- A revised estimate has been prepared including additional item of works such as
  - (a) Supplying, laying and testing 350 mm CI effluent conveying main from Thirumazhisai STP to Anaikattuchery.
  - (b) Construction of compound wall for STP & Raising the formation level within the STP area.
- The Government has accorded administrative approval vide G.O(D) No.580 MA&WS(MA2) department dated 21.11.2013 for Rs 3060 Lakhs. The administrative approval for the revised estimate for Rs. 3060 lakhs has been accorded by Board vide Res.No. 73/2013, dt. 31.05.2013. Technical sanction was accorded for Rs.3060 lakhs on 05.11.2013.
- **Contract details**
- Thirumazhisai sewerage scheme has been divided into three parts and four zones. The following are the components of scheme:
  - PART-I – UGSS
    1. Sewer collection system 150 mm dia. to 600 mm dia for length of 26015 m.
    2. Laying of pumping main 2195 m.
    3. Construction of pumping stations – 4 nos
    4. Construction of Manholes – 1029 nos.
    5. House Service Connection – 3650 nos.
  - Part-II - Construction of STP for 3.0 MLD on DBOT Basis
 

Both Part I & II has been awarded to M/s Tecton Engineering & Construction LLC for a contract value of Rs 1624.33 lakhs on 30.12.2009 with a contract period of 24 months. The work was commenced on 15.02.2010 and the scheduled date of completion was 14.02.2012. The work has been completed.
  - Part – III
    - (a) 350 mm Dia effluent conveying main - 8.42 km
 

The work has been awarded to M/s Sattva Engineering & Construction Private Ltd for contract value of Rs 734.02 lakhs on 11.10.2013 with a contract period of 5 months. The work commenced on 12.11.2013 and the scheduled date of completion was 11.04.2014. The work has been completed.
    - (b) Construction of compound wall for STP & raising the formation level within STP area.
 

The work has been awarded to M/s Ravi Associates for contract value of Rs 104.49 lakhs on 08.08.2013 with a contract period of 3 months. The work commenced on 27.08.2013 and has been completed.

➤ **Progress of work (As on 31.05.2017) :**

(1) Part – I & II (UGSS and STP) all the works have been completed except Testing and Commissioning.

(2) Part –III

(a) (Effluent Conveying Main 8.42 Km)

The work has been completed.

(b) Construction of compound wall for STP & Raising the formation level within the STP area is completed.

➤ The public protested for letting out the treated effluent at Anaikattucheri which is at the upstream of Paruthipattu check dam in Coovam River, and filed writ petition in High Court of Madras. This case was transferred to Southern Region of Green Tribunal and the judgment has been meted out.

➤ An alternate alignment was finalised to dispose the treated effluent near Thiruverkadu which is at the downstream of Paruthipattu check dam in Coovam River.

(3) Part –IV

**350 mm Dia effluent conveying main - 3.5 km**

➤ The Government has accorded administrative approval vide G.O(D) No.103 MA&WS(TP2) Department, dated 23.02.2016 for Rs 4060.00 Lakhs. The administrative approval for revised estimate for an amount of Rs. 4020.00 lakhs has been accorded by Board vide Res.No. 31/2016, dt. 26.02.2016. Technical sanction was accorded for Rs.4020.00 lakhs on 28.03.2016.

➤ **Contract details**

The work order was awarded to M/s. Sattva Engineering & Construction Pvt. Ltd. for laying the remaining length of 3.5 km from part of Poonamallee – Pattabiram Road to Paruthipattu check dam in Coovam River for contract value of Rs 374.28 lakhs on 24.02.2016 with a contract period of 4 months. The work commenced on 30.06.2016. The Scheduled date of completion was 29.10.2016. The work has been completed.