

SHOLINGANALLUR STP

(54 MLD STP BASED ON SBR TECHNOLOGY)

- Sholinganallur is one among the 42 local bodies added in the expanded area of Chennai city and located in Kancheepuram District, Tamil Nadu State. Sholinganallur area is assigned as Division 198 in Area XV, Chennai Corporation and located in the South East boundary of Chennai city and located between East Coast road and Old Mahabalipuram Road along KK Salai.
- The work of construction of 54 MLD Sewage Treatment Plant based on Sequential Batch Reactor (SBR) Technology at Sholinganallur comprises of providing SBR Basins and allied works for 18 MLD capacity in existing Module-I and a 36 MLD capacity STP (Module-II) with power generation on Design, build, operate and transfer (DBOT) basis including Operation & Maintenance for 10 years. This plant has been designed to treat sewage generated from Pallikaranai, Sholinganallur and Karapakkam, Jalladampettai, Injambakkam, Okkiam Thoraipakkam, Palavakkam, Neelankarai, Semmencheri, Uthandi and Kottivakkam areas.
- The estimate cost of Construction of STP for Rs.65.97 crores will be met out from the funds provided by the Government under Tamil Nadu Investment Promotion Programme (TNIPP) funds as per the G.O.(Ms).No51,M.A & W.S Dept.,dated:18.03.2015 and the estimate cost for Operation and Maintenance for 10 years of STP for Rs.60.47 crores will be met out by CMWSSB.
- This STP is situated in Sholinganallur with an extent of 4.0HA (10 Acres). In SBR Technology the requirement of land is much less and the quality of treated effluent is far superior as compared to the conventional technologies such as Activated Sludge Process (ASP).The secondary treated effluents are to be let into nearby Buckingham canal as per TNPCB norms.
- This STP is designed to produce power at the rate of 7500 units per day which will reduce the consumption of TNEB power supply to a certain extent.
- **Contract details :**
The work has been awarded to M/s. DEE-TECH Project Pvt. Ltd., Chennai in consortium with M/s. Khilari & P&C., for a contract value of Rs.13444.54 lakhs (construction cost Rs.6870.02 lakhs and Rs.6574.52 lakhs towards Operation & Maintenance contract for 10 years which

includes fixed and variable cost) on 03.03.2016 with a contract period of 30 months. Due to GST Implementation, the contract value has been increased to Rs.7514.96 lakhs. The work was commenced on 11.07.2016 and the scheduled date of completion is 10.01.2019. The Contract period has been extended and is under progress.

➤ **Progress of work (as on 01.03.2022) :**

1. Physical progress so far achieved is 89.00%
2. Financial Progress so far achieved is Rs.6409.41lakhs.
3. Probable date of completion including 3 months trial commissioning is September 2022.