

As Water & Wastewater Infrastructure:

- ***Wastewater Treatment and Sewerage Network Projects (WWTs)***

Our Company functions as a turnkey executor for sewerage network and wastewater treatment infrastructure, offering end-to-end solutions that support sustainable urban water management. Our operations in this segment begin with the design and implementation of comprehensive sewerage networks, where we lay pipelines of various materials, including High-Density Polyethylene (HDPE), Reinforced Cement Concrete (RCC), Mild Steel (MS), Asbestos Cement Mazza (AC Mazza), Double Wall Corrugated (DWC), and Unplasticized Polyvinyl Chloride (UPVC). These pipelines, with diameters ranging from 120 mm to 1600 mm, are engineered to ensure efficient wastewater conveyance while minimizing the risk of blockage through the achievement of self-cleaning velocities.

The process of laying sewer pipelines involves systematic excavation, precise installation of pipelines, construction of house connection chambers, and complete restoration of affected roads. Once installed, the network connects urban households to centralized sewer systems, supporting the effective transportation of sewage to treatment facilities.

As part of our service offering, we also undertake the design and construction of STPs, utilizing technologies such as Sequential Batch Reactor (SBR) and Upflow Anaerobic Sludge Blanket (UASB). These treatment systems are built in accordance with effluent quality norms prescribed by the National Green Tribunal and the Ministry of Environment, Forest and Climate Change. The treated effluent is suitable for non-potable applications such as horticulture, vehicle washing, and industrial cooling.

Following the completion of construction activities, our Company is also responsible for the long-term operation and maintenance of the developed assets, including STPs and SPSs. These O&M responsibilities are typically mandated for a period of up to 5-15 years and include monitoring of system performance, regular maintenance of pipelines and machinery, and ensuring uninterrupted operation in line with performance and discharge standards. This integrated approach enhances asset longevity and reliability of service delivery to the end-users.