

## **Construction of 1.0 MLD Capacity Modular Sewage Treatment Plant along Left Bank of Cooum River at Chetpet in Chennai city under CRRT**

Chennai River Restoration Trust (CRRT) has taken up the Integrated Cooum River Restoration project under Government of Tamil Nadu funds. Sixty sub-projects for the short term i.e., from 2014-15 to 2016-17, will be implemented by the concerned implementing agencies/line departments like PWD, Corporation of Chennai, Commissionerate of Municipal Administration, Directorate of rural Development, CMWSS Board, Chennai Rivers Restoration Trust and TNSCB.

The Government by its order GO.Ms.No.9 dated 13.01.2015 of the MA&WS Department (MC1) has accorded administrative sanction to a value of Rs.604.77 Crore under integrated Cooum River Eco restoration project. Out of 604.77 Crore, an amount of Rs. 186.19 Crore has been allotted to Chennai Metropolitan Water Supply and Sewerage Board for implementing 15 sub projects.

In these 15 sub projects, 1.0 MLD capacity Modular Sewage Treatment Plant based on Moving Bed Bio Film Reactor Technology is constructed under DBO basis with a revised approved cost of Rs.3.29 Crore vide CRRT/42<sup>nd</sup> Board/ICRERP/CMWSSB/2021-01, dated 16.08.2021.

The land site allocated is under the control of Public Works Department (PWD) and necessary consent to establish the STP to let out the treated water into the Cooum River has been obtained from Competent Authority.

The aim of the project is to intercept and divert the untreated sewage outfall let out into the Cooum River at four locations near Chetpet and treat the diverted sewage in the proposed Modular Sewage Treatment Plant as per the latest standard discharge norms specified by TNPCB/CPCB. The Modular Sewage Treatment is based on Moving Bed Biofilm Reactor (MBBR) technology followed by Pressure Sand Filter, Activated Carbon filter and Chlorine Disinfection to achieve the necessary discharge standards in to the river.

The plant is equipped with continuous monitoring of quality parameters for its efficient operation and quality assurance through sensors and analysers. The plant reduces the untreated outfalls into Cooum River and improves the water quality to that extent.

Now works have been completed and the Scheme is ready for Inauguration.