

Sewage Treatment Plant in Mumbai Refinery

Mumbai Refinery installed and commissioned the first Sewage Treatment Plant at the Refinery in December ,2014. Launched by Shri. C J Iyer, GM (Operations), MR the plant has a capacity of treating 250 KL of sewage per day. This project was taken up by the Estates wing as a green initiative. This STP is constructed using the latest MBBR (Moving bed bioreactor) technology which uses natural bacteria to degrade the sewage from Admin buildings through aerobic respiration.

The Plant consists of an Underground RCC collection tank of capacity 150 m³ for the collection of raw sewage, MBBR container, tube settler, Pressure sand filter, Activated carbon filter, pumps, air blowers and associated piping. The treated water is used for the digester tank of the Biogas plant and general gardening purposes. This plant is operated presently in single shift and saves raw water supplied to Biogas plant.

