

SEWAGE TREATMENT PLANT TECHNOLOGIES



Kelvin Water Technologies Pvt. Ltd.

Sewage Treatment Plant

A Sewage Treatment Plant is used for treating the sewage of industrial as well as commercial areas by removing contaminants like oil, impurities, and wastewater from it and making it reusable. It is used as a wastewater treatment method that uses a physical, chemical, and biological method for treating the wastewater. There are many kinds of technologies used in STP process such as:



1

SBR (Sequencing Batch Reactor)

A Sequencing batch reactor (SBR) technology is industrial clarifying tanks for managing wastewater. This technology is made in line with present-day needs. It is ideal for clients who need to store space and became the most demandable STP technology.

MBR (Membrane Bio-Reactor)

MBR technology is a combination of a membrane processes like microfiltration, nanofiltration, ultrafiltration with biological wastewater treatment process i.e. ASP (ACTIVATED SLUDGE PROCESS)

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MBBR (Moving Bed Biofilm-Reactor)

MBBR technology is essentially the same as Activated Sludge Process (ASP) except that the media suspended in the reactor offers additional surfaces for the microbes to grow and this, in turn, maximizes the growth of microbes in a given volume of aeration tank compared to the conventional aeration without the media and to that extent, it does appear preferable.

EC (Electrocoagulation)

EC is used in treating wastewaters of relatively recent origin containing foodstuff wastes, oil wastes, dyes, suspended particles, chemical, and mechanical polishing waste, etc. It uses a direct current source between metal electrodes immersed in the effluent, causing the dissolution of electrode plates into the effluent,

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