

Aqua Designs India Limited

Case Study ~ Tidel Park, Chennai

MEMBRANE BIO ~ REACTOR BASED SEWAGE
TREATMENT PLANT ~300 m³/day



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BACKGROUND

Tidel Park is an IT Park situated in the city of Chennai, Tamil Nadu. It has a built-up area of 1.28 million sq. ft. with centralized air-conditioning.

The park provides state-of-the-art network connectivity with direct satellite uplink. The project management of such a complex was clearly challenging.

The main objective of TIDEL PARK is to construct a sewage treatment plant with the latest technology and to meet the local statutory norms and International standards and to reduce the quantum of water purchase. Aqua Designs with their presentation entered into TIDEL PARK with a rich and latest state of the art technology design **“Membrane Bio Reactor based Sewage Treatment plant”** which the TIDEL PARK opted and Aqua Designs was rewarded the prestigious challenging project of TIDEL PARK.



APPLICATION

The MBR based Sewage Treatment Plant produces high quality pure water which is utilized for secondary usage such as flushing, floor washing etc which also satisfied the concept of recycling and reuse.

ADVANTAGES

- ✚ Less space requirement
- ✚ Elimination of secondary clarification tanks, sand filters and disinfection plants.
- ✚ Reduces civil requirements
Automated plant which completely eliminates manual intervention
- ✚ Highly purified water quality
- ✚ Less chemical consumption
- ✚ Eco friendly technology





CONCLUSION

Aqua Designs with the latest MBR technology has overcome the space Constraint and has successfully commissioned the prestigious project in the heart of city where space and water is precious. In total, it satisfies the principle of economics. Aqua Designs take the pride of giving MBR technology for such a huge capacity which is almost first of its kind of sewage treatment.