

Aquatron-based STP Case Study Sapphire International School



Site data

Location: Noida, UP

Capacity: 110 KLD

Installation type: Retrofit

Year of completion: 2023



Aim

To provide an eco-friendly sewage treatment system that can also cope with load fluctuations during holidays.



Project objectives

- Decentralized solid-separation and natural composting units for WC water.
- Centralized treatment plant for separated WC water and grey water. Reuse of water for gardening.



Low-cost O&M

- No operator
- Minimal electricity



Manholes

An uninterrupted flow of water to Aquatron is important and hence existing inspection chambers were modified with pipes.

Placement of Aquatron units



Underground rooms constructed for solid-separation and composting under existing roads.

About Aquatron

Aquatron is a Swedish solid-liquid separator that functions based on the momentum of flushing water, centrifugal force and gravity. Separated solids turn into a small quantity of hygienic manure and liquids go for further treatment. Aquatron-based STPs are free of sludge and septic smell.

