

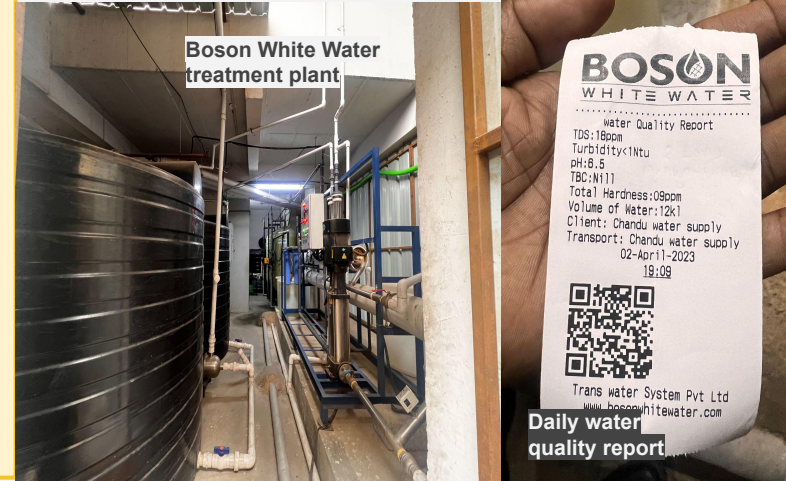
Pramuk Aqua Heights apartment (Total area: 3 acres, no. of flats: 269) - Located next to Veerasandra Kere on NH48

Issues

- Major part of the STP treated water was going unused due to the lack of need within the complex
- No connection to the city sewer system to discard excess treated water
- Tankers that were used for this purpose cost the apartment ₹10 -11 lakhs per annum
- 60 KL of treated water used per day and 140 KL discarded through tankers

Solutions implemented

- [Transwaters'](#) tertiary treatment system - [Boson White Water](#) - treats all the excess STP treated water to potable quality (~100 KL of water produced per day)
- Water quality is tested in-situ every day
- This water is transported with the help of tankers to various industries
- Current end use: cooling towers in IT parks and malls, laundry services, apartment swimming pool



Impact

- On the apartment complex (producer):
 - Before: ₹10-11 lakhs / year spent to discard treated wastewater through tankers, no useful end destination/use for the treated water
 - After: Transwaters pays rent for the space they occupy (2 car parks); treated water from STP is further treated to potable quality and used for various purposes
- On the end-user (consumer):
 - Better quality water, hence eliminating the need for treatment before use in cooling towers, and reduced detergent usage for the laundry service
 - Readily available source of free good quality water for the apartment swimming pool
 - Around ₹ 1.8 L/month saved on water when compared to tanker water (cost of tertiary treated water is ₹0.08/litre)
- On the environment:
 - Elimination of harmful chemicals from the cooling towers' pre-water treatment system
 - Reduction in extraction of groundwater for the above mentioned purposes

