6.4.2 Water Reuse Measurement



6.4.2 Water reuse measurement

At SKCET, treated wastewater is reused in an effort to lessen dependency on external freshwater sources. We are committed to tracking water usage on a frequent basis in order to monitor campus water usage, including the reuse of treated water. We make certain that treated wastewater is efficiently used and reused for a number of purposes, including irrigation, sprinkling, and gardening.

The institution's wastewater treatment systems allow it to reuse approximately 60% of its water. Water that has been recycled is all put to diverse uses. This is vital for conserving and reusing water on campus.

The wastewater released from the campus bathrooms, canteen, and washing area is recycled through a 450 KLD sewage treatment plant located on campus. Inside the campus, the treated wastewater is used for irrigation and gardens.

The liquid waste generated by canteens, mess, and toilets is treated at the on-campus Sewage Treatment Plant (STP), which has a capacity of 450 KLD and is located behind the laboratory building.

The amount of sewage entering the entrance of the STP from the collection station is 205 m^3/hour and is directed to the aeration tank for further treatment. The total amount of treated water per day is 410 m^3/day, which is used for agricultural and gardening purposes. A committed team of environmental professionals oversees and continuously monitors the procedure.

Total Treated Quantity of sewage for reuse

The sewage treatment plant established inside the campus operates for 20 hours on a daily basis and pumps treated water at the rate of 4,10,000 litres per day which is used for agricultural and gardening water requirements.



HAYMAN
ENVIROMENTAL ENGINEERING PRIVATE LIMITED

Mfrs. : Effluent Treatment / Sewage Treatment / Bio Gas Plant / Environmental Training

Excellence we repeat - Which is not an act but a habit

SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY
SEWAGE TREATMENT PLANT
PLANT CAPACITY-450 KLD MANUAL PLANT

COLLECTION INLET

Total quantity of Sewage water given to Aeration tank from collection tank = 20500 litres/hour

Total Plant Operation hours =20 hours

Total treated Quantity / Day =4,10,000 liters/day

Sludge Contains - 5% = 20,500 Ltrs.

PLANT CLEANING

Plant Cleaning it may differ based on (PSF + ACF) =4 hours

NOTE

1. It is used for Agriculture and Gardening purpose only.
2. In-case collection tank feed increases we increase feed flow to 22500 litres

For HAYMAN ENVIROMENTAL ENGINEERING PVT. LTD.,
Authorised Signatory

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6 CLEAN WATER AND SANITATION