



**SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY**  
An Autonomous Institution | Approved by AICTE | Affiliated to Anna University  
Kuniamuthur, Coimbatore - 641008

## 6.4.2 WATER REUSE MEASUREMENT



#### 6.4.2 Water reuse measurement

The reuse of treated wastewater at SKCET attempts to reduce the reliance on other freshwater sources. We are dedicated to tracking water usage on a regular basis in order to keep an eye on campus water usage, including treated water reuse. We ensure that treated wastewater is efficiently utilized and reused for a variety of applications, including irrigation, sprinkling, and gardening.

The institution is able to reuse about 60% of its water through wastewater treatment systems. All of the recycled water is used for different purposes. This is essential for conserving and reusing water on campus.

The campus wastewater discharged from restrooms, canteen and washing area is recycled through Sewage Treatment Plant installed inside the campus with a capacity of 450KLD. The treated wastewater is reused for gardening, and irrigation inside the campus.

The liquid waste produced by canteens, mess and toilets undergoes treatment at the on-campus Sewage Treatment Plant (STP) with a 450 KLD capacity located behind the laboratory block.

The quantity of sewage entering the inlet of STP from collection station is 205 m<sup>3</sup>/hour and let into the aeration tank for further treatment. The total quantity of treated water per day is 410 m<sup>3</sup>/day and used for agricultural and gardening purpose. The process is continuous and monitored by a dedicated team of environmental professionals.



## 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.



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

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**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 ENVIRONMENTAL ENGINEERING PVT. LTD.,

Authorised Signatory