



# Evidence(s)

## THE-Impact Ranking



University : Sri Sri University  
Country : India  
Web Address : [www.srisriuniversity.edu.in](http://www.srisriuniversity.edu.in)

### SDG 6: CLEAN WATER AND SANITATION

#### 6.3. Water Usage and Care

The water utilized by human beings is obtained from water bodies like rivers, streams, aquifers, lakes, canals, etc. The release of untreated wastewater in these water bodies leads to water pollution locally, regionally and globally. Therefore, water education and awareness among the people is much needed to achieve the sustainable development goals. Further, entry of chemicals to the water bodies requires appropriate treatment before the discharge.

##### 6.3.1. Wastewater Treatment

To protect water resources from degradation, Sri Sri University is practicing solid waste management systems in the campus and making valuable contributions to pollution abatement. Standard approaches/processes followed to avoid contamination of water system on are campus:

- We have 03 Water Treatment Plants (WTP) with a capacity of 40,000 litre per hour, 6,000 litre per hour and 4,000 litre per hour. The harvested rainwater is passed into a dual media filtration process consisting of sand filters and activated carbon filter (**Plate 1**). More than 75% of the treated water is reused by us. The BOD, COD and TSS levels, etc. of treated water are monitored to ensure they are well within the limits prescribed by Bureau of Indian Standards (BIS) (**Plate 2**). Zero discharge is maintained i.e. treated water is not released in the environment.
- All the buildings have a separate pipeline for gray water, blackwater and roof/rainwater.
- One sewerage/sewer i.e. A Biological Sewage Treatment Plant (Bio-STP) of 250 KLD capacity is installed on the campus that recycles more than 85% of wastewater. The bio-STP comprises anaerobic microbial inoculum that digests the organic matter. Almost 40% by volume of the biodigester tank is filled with this microbial inoculum. The system consists of various compartments/partitions, internal flow system with bacteria matrix, inlet for waste, and outlet for treated effluent and biogas. The water gets treated in the bio-digester, the output of the bio-digester and gray water become the input to the reed bed



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(Plate 3). The treated sewage water is tested for quality (BIS standards) and subsequently utilized for agriculture and horticulture activities.

- Through various wastewater treatment plants, more than 75% of treated wastewater is reused in different ways by us.



Plate 1. Aerial view of WTP in SSU

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TC/12118

**TEST REPORT**

I/LR No. : TC121162300001009F Test Report No. : QLB/TR/EW/2023/03856 Sample Submitted/Drawn: Submitted		Format No. : QLB/MSP/QA/012/F001/00 Report issue date: 28/09/2023			
<b>Customer Detail:</b>					
Name: SRI SRI UNIVERSITY		Address: Ward No - 3, GodisahiBidyadharpur-Ariko, Cuttack, Odisha, India-754005			
<b>Sample Details:</b>					
Sample Name/type #:	STP WATER	Item code#:	NA		
Sample qty. received:	2 ltr	Sample registration no.:	QLB/EW/2023/03856		
Batch no/lot no#:	STP Water	Sample conditions:	Good		
Mfg. license no.#:	NA	Packing description:	Intact		
Mfg. date/Exp. date#:	NA	Sample receipt date:	21/09/2023		
Ref (WO) no.#:	NA	Sample registration date:	21/09/2023		
<b>Sampling Details:</b>					
Sampling done by:	NA	Sampling plan/method:	NA		
Date & time of sampling:	NA	Sample item:	NA		
Location of sampling:	NA	Quantity sampled:	NA		
Environmental conditions during sampling:	NA	Any deviation occurred during sampling:	NA		
<b>Analysis Details:</b>					
Analysis start date: 21/09/2023		Analysis end date: 27/09/2023			
Sr. No	Test Parameters	Unit of measurement (UOM)	Test Method	Specification	Test Result
<b>Discipline: Chemical</b>					
<b>Group : Pollution &amp; Environment</b>					
1	Biochemical Oxygen demand [3 days at 27°C]	mg/L	IS 3025 (Part-44):1993	NA	214.0
2	COD	mg/L	IS 3025 (Part-58):2006	NA	653.0
3	Total Suspended Solids	mg/L	IS 3025 (Part-17):2022	NA	<5.0

Plate 2. Water quality of STP in SSU



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### SDG 6: CLEAN WATER AND SANITATION



**Plate 3. Biological Sewage Treatment Plant (Bio-STP) installed in SSU**