



Evidence(s)

THE-Impact Ranking



University : Sri Sri University
Country : India
Web Address : www.srisriuniversity.edu.in

SDG 6: CLEAN WATER AND SANITATION

6.3.2. Preventing Water System Pollution

Sri Sri University has an active solid waste management system in the campus and makes a valuable contribution to pollution abatement. We rigorously safeguard our surrounding ecosystem and take every preventive measure to ensure that the polluted water does not enter any of the valued environmental matrices. Following measures are taken by the University to prevent water system pollution:

- All the buildings have a separate pipeline for gray water, blackwater and roof/rainwater.
- The University practices and maintains an environmentally-friendly campus. Waste bins are mounted across the university to handle dry and wet waste. The University segregates the dry waste and wet waste at source (**Plate 1**). The dry waste is sent to the Cuttack Municipal Corporation (CMC) for recycling. Segregation of waste based on its type e.g.. bio-medical waste or electronic-waste (E-waste) is done at the source to avoid contamination. The MoU with 'Sani Clean' is in place for the collection and treatment of bio-medical waste generated in the University. The lube oil as waste from DG sets is carefully handled to avoid any leak/spill. The University has an Annual Maintenance Contract (AMC) with the recyclers authorized by SPCB/MoEF&CC who collect and recycle this toxic waste.
- Sanitary napkins incinerators are installed in all the women hostels (**Plate 2**). This solid waste treatment avoids the dumping of sanitary waste into the landfills. This reduces the level of groundwater pollution in colonies near any dumping site It also ensures proper sanitation and hygiene being maintained for students.
- We discourage single-use plastic in the campus and encourage the students, staff and visitors to consume free and safe drinking water from the Reverse Osmosis (RO) plant (**Plate 3**).



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- Colour coding for different categories of bio-medical waste is followed to dispose them into designated bins, thus avoiding mixing of bio-medical wastes with other wastes. The University has signed a MoU with 'Sani Clean' for the collection and treatment of bio-medical waste generated in the university (**Plate 4**).
- The university has 05 DG sets with Annual Maintenance Contract (AMC). The lube oil generated as waste from DG sets is handled appropriately and care is taken to avoid any leak/spill. The university has an Annual Maintenance Contract (AMC) with the recyclers authorized by SPCB/MoEF&CC who collect toxic waste and recycle it.
- Farm grown organic vegetables, composting/vermicomposting, bioenzymes application, and permaculture activities (**Plate 5**) are taught to students and practiced. This year almost 4000 kg of vegetables were harvested through organic farming in the campus. These vegetables are consumed in the common kitchen by students and staff on a regular basis. Thus, safe agriculture practices like organic farming helps in prevention of water pollution.
- Organic waste converter installed converts vegetable waste/peel/rind into manure. Around 70 kg/day of raw vegetable peel is generated. This 100% raw vegetable waste/peel/rind is sent to an organic waste converter (to be used as manure) (**Plate 6**) and also used for permaculture. Around 100 kg/day of cooked food waste is generated. The 100% cooked food waste is sent to in-house cowshed as a part of value additional to the cow feed.
- Two vermicompost pits are constructed within the campus (in agriculture farms) and are completely functional. The pits are of 6 ft length x 4 ft breadth x 3 ft depth (**Plate 7**). The capacity of each vermicompost pit is around 100 kg and almost 15 kg manure is received from each pit every 45 days. The plant based wastes are utilized in vermicompost units other than various biomass and leaf litter available on the campus
- Permaculture is a technique where vegetable rinds/peels are used for growing vegetables. The farms in the University are completely organic and application of pesticide is not allowed (**Plate 8**). The organic home grown food is served in the common kitchen to



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students and staff. Almost 3500 kg of various vegetables are organically harvested on campus.

- The university regularly conducts awareness programs to ensure that paper and plastic waste on the campus is minimal.
- Sri Sri University is awarded Green Audit certificate, Environment Audit certificate, certificate for channelizing 1162.8 kg of electronic waste (E-Waste) (**Plate 9**). For this year, both the audits were conducted and certificates are awaited. Further, it is noteworthy that during the year 2023 not much e-waste was generated for recycling.
- Dedicated sites are provided in the campus where electronic-waste (E-waste) and Bio-medical waste are segregated and transported to recycling unit outside the university.
- University has provision of an Effluent Treatment Plant (5 KLD), which is capable of treating all effluents (**Plate 10**).
- Cloth/jute bags are used instead of plastic bags in the multi utility store in the university (**Plate 11**).

All these activities conducted and measures taken by Sri Sri University help in preventing water sources from being contaminated.



Plate 1. Segregation of waste at SSU



Plate 2. Sanitary napkin incinerator



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Plate 3. Free drinking water for all in SSU



Plate 4. MoU with Sani Clean



Plate 5. Bioenzyme prepared by students



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Plate 6. Organic waste converter in SSU



Plate 7. Vermicompost unit in SSU



Plate 8. Organically grown vegetables in SSU



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Plate 9. Green Audit, Environment Audit, E-Waste certificates to SSU



Plate 10. Effluent Treatment Plant



Plate 11. Cloth jute bags used at multi utility store in SSU