



Evidence(s)

THE-Impact Ranking



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

SDG 6: CLEAN WATER AND SANITATION

6.3.4. Water Conscious Infrastructure Standards

Sri Sri University believes in conservation of natural resources and sustainable development. We have several energy efficient systems including water efficient appliances. Water fixtures consuming minimal water are installed across the campus. Toilets with dual flush options, waterless urinals, sensor based flush urinals, low flow water aerators with faucets, sensor-based water level controllers for all the tanks, Internet of Things (IoT) based washing machines, and dishwasher in common kitchen help in reducing the water usage/consumption. Solar water pump is also installed in the campus. Steam boiler in a common kitchen is used for cooking rice and pulses. This requires minimal water and reduces water consumption drastically. More than 90% of the appliances installed in the campus are water efficient (**Table 1**).

Sl. No.	Types of Appliances	Total Number	Number of energy efficient appliances	Percentage
1	Toilet/latrines (water closets)	926	810	87.5%
2	Urinals (waterless & with water)	122	106	86.9%
3	Low flow water aerators Spouts (Taps)	1550	1175	75.8%
4	Dish Washer	1	1	100%
5	IoT based Washing Machine	9	9	100%
			Average	90.04%

- Dual flush toilets with 2 knobs are installed in washrooms. The knobs are of 6 litre and 9 litre capacity and help in conserving almost 70% water when compared to a single flush system. Around 810 dual flush or adjustable flush toilets are installed (**Plate 1**).
- Sensor based flush urinals (**Plate 2**) and waterless urinals are installed in the university, which help in conserving water.
- Dishwasher installed in the common kitchen reduces water usage by 90%. This in turn reduces the waste water generation from the kitchen (**Plate 3**).



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- Internet of Things (IoT) based 09 washing machines and 09 dryers are fixed in hostels for laundry. The facility saves water by almost 45%. The capacity of each machine is 8 kg and slots are booked through an app. **(Plate 4)**.
- Sensor based water level controllers are installed everywhere that ensure ‘zero wastage of water’ during tank overflow **(Plate 5)**.
- Low flow water aerators with faucets are installed in taps and kitchens. It saves water and also reduces splashing of water by adding air to the water stream. It saves around 60% water in comparison to conventional taps **(Plate 6)**.
- Solar water pump is also installed in the campus **(Plate 7)**. Steam boiler in the common kitchen is used for cooking rice and pulses **(Plate 8)**.
- With the help of various water conservation structures and programs, we conserve almost 65% of water.



Plate 1. Dual flush toilets in SSU



Plate 2. Sensor based urinals in SSU



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Plate 3. Dish water in SSU kitchen



Plate 4. IoT based washing machine



Plate 5. Water level controller in SSU



Plate 6. Aerators with faucets



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Plate 7. Solar water pump in SSU



Plate 8. Steam boiler for kitchen in SSU