



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

## SDG13: CLIMATE ACTION

### 13.2 Low-carbon energy use

#### 13.2.1 Low-carbon energy tracking

Measure the amount of low carbon energy used across the university



**Plate 1.** Roof top solar panel



**Plate 2.** Rooftop solar heater



**Plate 3.** PNG Station inside Campus



**Plate 3.** E-vehicle for movement inside Campus

#### Description:

##### 1. Electricity and Low-Carbon Energy

All electrical and renewable energy systems are managed by the *Manager of Operations*. SSU is steadily transitioning from conventional energy sources to sustainable alternatives. As part of this



shift, 86 MH lights have been replaced with LED streetlights, 78 MH high-mast lights have been upgraded to LED systems, and 472 BLDC fans have been installed to enhance energy efficiency. The university also operates approximately 75 solar streetlights and an 8 kW rooftop solar system generating around 35 units of electricity per day (total 13000 kW per year)

Sri Sri University achieved a daily solar generation peak of 2,998 kWh. Annually, this amounts to approximately 35,976 kWh. Notably, the Shruti and Kirti buildings are major contributors, generating about 1,700 kWh and 1,200 kWh per day, respectively. This substantial annual solar capacity reinforces the university's commitment to sustainable energy practices and campus-wide energy efficiency (**Plate 1**).

Air Sourced Water Heaters (Plate 7.2.4f): Air-sourced water heaters are utilized in the hostels, effectively conserving a substantial amount of energy, particularly during the winter season. This innovative technology saves approximately 25 units of electricity per day, equivalent to 3,000 units annually.

## **2. Housing and Building-Level Energy Systems**

Low-carbon energy appliances—such as Air-Sourced Water Heaters and solar water heaters—are installed across hostels, staff quarters, and administrative buildings. These installations reduce electricity consumption significantly during winter months. All activities under this category are coordinated by the *Head of the Department (Housing)* (**Plate 2**).

## **3. Kitchen and Clean Fuel Systems**

The university kitchens utilize Piped Natural Gas (PNG), a clean and energy-efficient alternative to LPG. This transition reduces emissions by 20–25% and supports the university's commitment to low-carbon operations. Fuel-related activities are managed by the *Head of the Department (Kitchen)* (**Plate 3**).

## **4. Transportation and Green Mobility**

The University Travel Desk supervises transportation systems and is implementing a phased transition to low-carbon mobility. SSU promotes the use of electric vehicles within the campus, offering free e-vehicle services to minimize the use of personal petrol and diesel vehicles. This contributes directly to reducing transport-related emissions and supports carbon credit accumulation (**Plate 4**).



**SRI SRI**  
**UNIVERSITY**  
LEARN • LEAD • SERVE

Evidence (s)

THE Sustainability Impact Ratings, 2026



Times Higher Education  
**Sustainability  
Impact Ratings**

## Conclusion

Sri Sri University has further strengthened its system for monitoring and expanding low-carbon energy usage across the campus. Different departments oversee electricity, cooking fuels, residential appliances, and transportation, ensuring that every sector contributes to the university's transition toward cleaner energy. SSU significantly enhanced its renewable energy capacity through the operation of a 2,900kW rooftop solar installation and 75 solar streetlights, while additional solar and air-sourced water heaters further support sustainable energy generation. The university continues to phase out conventional appliances by replacing ceiling fans with BLDC models and upgrading air-conditioning systems to high-efficiency ISSEER 4.5+ units, resulting in notable reductions in electricity consumption. The adoption of piped natural gas (PNG) in university kitchens and the promotion of electric vehicles within campus have also contributed to lowering carbon emissions. These initiatives reflect SSU's strong commitment to replacing traditional energy sources with renewable alternatives and enhancing its overall carbon credit profile.