



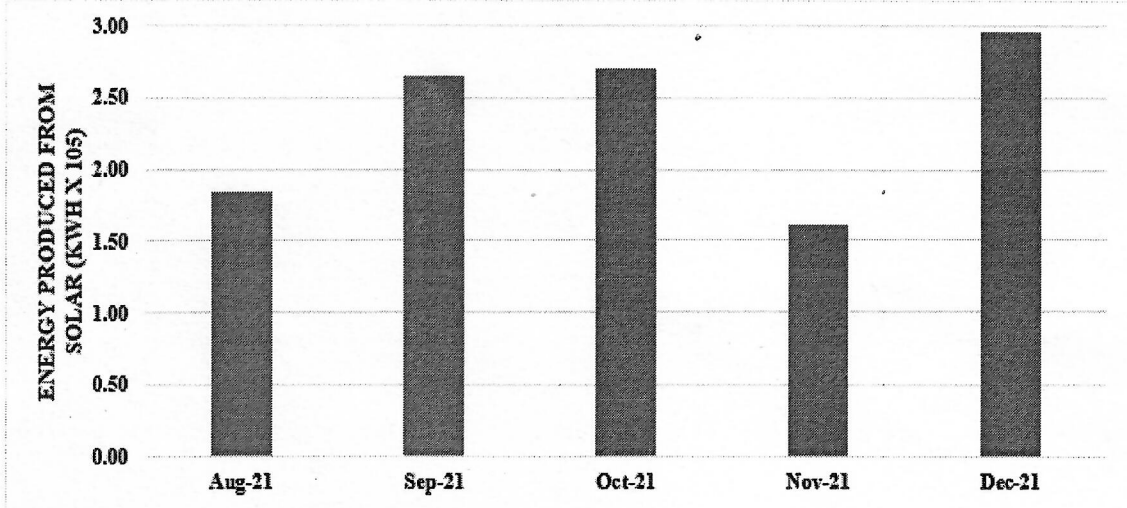
पांडिचेरी विश्वविद्यालय/PONDICHERRY UNIVERSITY

विद्युत स्कंध/ELECTRICAL WING

वी.मुरुगवेलु/V. MOURUGAVELU
सहायक अभियंता/Assistant Engineer

आर.वी.नगर/R.V.NAGAR, कालापेट/KALAPET
पुदुच्चेरी/PUDUCHERRY-605 014

The Solar Power produced at Pondicherry University Main Campus for August 2021-Dec 2021 from the installed 2.4 MWh rooftop solar power plant.



Total Energy production from Solar in kWh from August 2021 to December 2021 = 1175006.78
(4231 Gigajoules)

Remarks:

The installed solar power is one of the largest affordable and clean energy generations in an educational institution in India.

The rooftop solar plant caters to nearly 15% of the university's energy requirement (compared with Pre-COVID level energy consumption) and helps offset 2,900 tons of carbon emission annually on average.

There is a provision that the excess/unutilized power during summer/winter holidays can be sent to the Pondicherry grid for the Pondicherry union territory use.

Thanking you

Aug-2021 - Dec 2021

Solar power production
offset ~ 987 tons
of Carbon Emission

Yours faithfully

(V. Mourougavelou)

21/12/21
ASSISTANT ENGINEER (ELECT.)
PONDICHERRY UNIVERSITY
R.Venkataraman Nagar, Kalapet
Puducherry - 605 014.

Pondicherry University


Profile	
Name	Pondicherry University
Year of Foundation	1985
Organisation Logo	
Address	R.V.Nagar, Kalapet, Puducherry, 605014
Telephone	+91 413 2655179
Country	India
Currency	INR
Website	http://www.pondiuni.edu.in/
Description	<p>Pondicherry University is a Teaching-cum-affiliating University, established in 1985, with a jurisdiction spread over the Union Territories of Pondicherry, Lakshadweep and Andaman and Nicobar Islands. The University has three campuses. The main campus is located at Puducherry with 780 acres of lush-green Wi-Fi-enabled area, housing 15 Schools, 41 Departments, 10 Centres and 1 Chair, offering over 140 PG, P.G. Diploma, Diploma & Research programmes. The other two smaller campuses are located at Port Blair and Karaikal. Pondicherry University has made remarkable contributions to the field of Higher Education. Within the span of 36 years the University has been emerging as a centre of excellence in teaching, research and extension activities, by offering multidisciplinary courses under the Choice Based Credit System as a pioneering institute in India. Pondicherry University, reaccredited with "A" by NAAC, is one of the most sought-after campuses amongst the students of the nation as a destiny for Higher Education and Research. For enrollment of 9000+ seats, the University is constantly receiving an enormous no. of applications for its various programmes. The campus life is extremely congenial and entirely self-contained with a shopping complex, health centre, bank, post office, gymnasiums, sports facilities, etc. The University has 101 affiliated colleges, offering undergraduate and postgraduate courses in the faculty of arts, science, commerce, engineering technology, fine arts, law, management and medicine. Pondicherry University is the first University in the country to start a Community College to cater to the needs and demands of the local community to enhance skill development and employability. The College offers several job-oriented courses like Diploma in Sanitary Inspector, Medical Lab Technology, and Document Writing including paramedical courses with hands-on training by an expert medical team at hospitals. Select students of Community College have been awarded financial support by U.S. Government to get training at Community Colleges in the U.S. for one year. The University has another Community College at Mahe, started in the academic year 2014-15 for the benefit of the local population of that region. The University permits students from abroad to study a semester / two semesters of various courses available in the University on a credit transfer basis under the Study India Program (SIP). At present, the Library Collection is above 5.82 lakhs of which print is 2.48 lakhs and electronic is 3.34 lakhs, which is one of the highest among the Universities in the country and it is also available through remote access. There are 33,424 Journals. The total number of e-resource usage during the year 2021 was 21,66,632 lakhs. The University has 23 hostels (14 for Boys, 8 for Girls and 1 for Foreign Students), State-of-the-Art Laboratories, Free transport, on-and-off campus and excellent sports facilities. It offers rent-free accommodation to all girl students and provides free education to all differently-abled students. The Wi-Fi-enabled campus has 100% power backup to all the Departments and Hostels of the University. With multi-faceted growth on several fronts and academic expansion in terms of new disciplines and projects, the University is moving fast towards its goal of excellence and is the desired destination of youth from all over the country for higher education. At present, the University has more than 200 research projects with extramural funding of over Rs. 50 Crore. In addition, it has more than five Spark projects to its credit and some faculty members were sanctioned the Duo-India fellowship programme. Enormous thrust is given to the promotion of collaboration with both national and international institutions. The University has about 80+ Memorandums of Understanding (MOUs) with various reputed Institutions/Universities in India and abroad for the exchange of faculty & students and for academic and research cooperation.</p>
Mission Statement (in English)	<p>Vision: To develop enlightened citizenship of a knowledge society for peace and prosperity of individuals, nation, and the world, through the promotion of innovation, creative endeavours, and scholarly inquiry.</p> <p>Mission: To serve as a beacon of change, through multi-disciplinary learning, for creation of knowledge community, by building a strong character and nurturing value-based transparency, promoting creative and critical thinking for holistic development and self-sustenance for the community. The University seeks to achieve this objective by cultivating an environment of excellence in teaching, research, consultancy, and innovation in pure and applied areas of learning.</p>

University Accrediting Body	National Assessment and Accreditation Council
Region	Puducherry
Institutional Perimeter Inclusions	<ul style="list-style-type: none"> • Pondicherry University Campus at Port Blair • Pondicherry University Campus at Karaikal • Pondicherry University Community Colleges at Puducherry and Mahe • Pondicherry University Campus at Lakshadweep
Institutional Perimeter Exclusions	<ul style="list-style-type: none"> • Affiliated Institutions

Preview, print & submit

Affordable and Clean Energy (SDG 7)

Name	Value	Year on year change from 2022
University measures towards affordable and clean energy		
Does your university as a body have a policy in place for ensuring all renovations / new builds are following energy efficiency standards? (relevant standards to be indicated)	Yes	-
Evidence	File uploaded: 7.2.1a.docx File uploaded: 7.2.1b.docx	
Policy created (yyyy)	2017	-0%
Comment	Green Building in the main campus: Policy created in 2017 and ongoing - if needed, it can be upgraded. The up-gradation of old buildings and renewal of a policy of existing buildings are in the card. The news hostel and staff-quarter buildings are coming up with incorporating sustainable concepts. Solar Power Plant in the main campus: The policy was created in 2019 to install 2.4 MW and was implemented from August 2021 onwards.	
Policy reviewed (yyyy)	2021	0%
Comment	1. Solar power plant policy for 25 years from 2021 onwards. 2. The policy for green building is ongoing. The "THREE STAR" GRIHA rating green building on campus can go for a high star rating if improved further.	
Does your university as a body have plans to upgrade existing buildings to higher energy efficiency?	Yes	-
Evidence	File uploaded: SDG 7.2-IIa Solar power-water heater PU.pdf File uploaded: SDG 7.2 IIb- PU-LED energy efficient appliances 2021.pdf	
Comment	The university has taken several steps to renovate the existing old building with energy-efficient lights (LED), inverter cooling systems, centralized cooling systems, roof-top solar PV, roof-top rainwater harvesting, solar water heating systems, etc. Particularly solar photovoltaic power generation systems in existing roof-top buildings are a significant achievement	

Name	Value	Year on year change from 2022
Does your university as a body have a process for carbon management and reducing carbon dioxide emissions?	Yes	-
Evidence	File uploaded: SDG 7.2 IIIa solar power plant carbon emission offset 2021.pdf	
Comment	The recent rooftop solar power plant produced 4231 Gigajoules of solar power (August 2021-December 2021) and helped offset 987 tons of carbon emission in its first five months. In addition, the university has implemented energy-efficient appliances such as LED lighting, low-power smart fans, sensor lights, small solar PV on the rooftop, and solar thermal and electric mobility.	
Does your university as a body have an energy efficiency plan in place to reduce overall energy consumption?	Yes	-
Evidence	File uploaded: SDG 7.2 IVa PU-Energy Management System 2021.pdf File uploaded: 7.2.4.b.pdf	
Comment	The university's electrical wing/department looks into this aspect very carefully. The energy-meters has been fixed to check energy usage and leakage and supply excess energy to the Pondicherry grid via energy-metering.	
Does your university as a body undergo energy reviews to identify areas where energy wastage is highest?	Yes	-
Evidence	File uploaded: SDG 7.2 IVa PU-Energy Management System 2021.pdf	
Comment	The dedicated electrical wing of our university has installed energy meters across all departments for energy audit and to identify energy wastages. In addition, the University conducts meetings and reports to all the departments of the University about wastage of power, incidents, etc.	
Does your university as a body have a policy on divesting investments from carbon-intensive energy industries especially coal and oil?	Yes	-
Evidence	File uploaded: SDG 7.2 Id Solar Power - 2.4 MWp plant 2021.pdf File uploaded: SDG 7.2 Ie Solar Power Plant Policy 2021 implementation.pdf	
Comment	University has already established 2.4 MWp solar power plant to cater to a portion (~15% currently) of its energy need through solar power plants in the campus. Also, the university encourages its stockholders to move towards sustainable energy use.	
Policy created (yyyy)	2021	0%
Policy reviewed (yyyy)	2021	0%
Comment	University commented to install more solar power plants in coming years	
Energy use density		
Total energy used	17,905GJ	-54% 
University floor space	78,469m ²	0%

Name	Value	Year on year change from 2022
Energy and the community		
Does your university as a body provide programmes for local community to learn about importance of energy efficiency and clean energy?	Yes	-
Evidence	File uploaded: SDG 7.4 Ia GET conducts workshop 2021.pdf	
Comment	The Department of Green Energy Technology conducts seminars, workshops, and conferences to outreach local and academic research to promote energy efficiency and clean energy.	
Does your university as a body promote a public pledge toward 100% renewable energy (petitions, meetings, discussions, events) beyond the university?	Yes	-
Evidence	Evidence url: https://m.youtube.com/watch?v=CUwCCKM6D-I&feature=youtu.be (https://m.youtube.com/watch?v=CUwCCKM6D-I&feature=youtu.be)	
Comment	The Department of Green Energy Technology and other departments of Pondicherry University conducts seminars, workshops, and conferences to outreach locals and academics research to promote energy efficiency and clean energy.	
Does your university as a body provide direct services to local industry aimed at improving energy efficiency and clean energy (energy efficiency assessments, workshops, research renewable energy options)	free, paid	-
Evidence	Evidence url: https://www.pondiuni.edu.in/department/centre-for-green-energy-technology/ (https://www.pondiuni.edu.in/department/centre-for-green-energy-technology/)	
Comment	The department of Green Energy Technology is dedicated to teaching, learning and spreading the importance of renewable energy.	
Does your university as a body inform and support government in clean energy and energy-efficient technology policy development?	local, regional, national, global	-
Evidence	File uploaded: SDG 7.4 IVa List of Research Publications 2021.pdf Evidence url: https://www.pondiuni.edu.in/department/centre-for-green-energy-technology/ (https://www.pondiuni.edu.in/department/centre-for-green-energy-technology/)	
Comment	Pondicherry University established a separate school named "Madanjeet School of Green Energy Technologies" to promote clean energy activities in 2010. The school and other university departments have been active in teaching and research to promote clean energy and sustainability for the past ten years—a list of published research articles and patents published during 2021.	

Name	Value	Year on year change from 2022
Does your university as a body provide assistance for start-ups that foster and support a low-carbon economy/technology?	Yes	-
Evidence	Evidence url: https://www.pondiuni.edu.in/wp-content/uploads/2021/09/Solar-Power-Plant-Invitation.pdf (https://www.pondiuni.edu.in/wp-content/uploads/2021/09/Solar-Power-Plant-Invitation.pdf) File uploaded: SDG 7.4 Va Solar-Power-Plant-Invitation 2021.pdf	
Comment	Inauguration of 2.4 MW rooftop solar power plant in the main campus:	

Photos of Solar Power in Pondicherry University:

https://drive.google.com/drive/folders/1IH9H4Kj9SxCeZGshQUdPFUZtIpd7Thvg?usp=drive_link

