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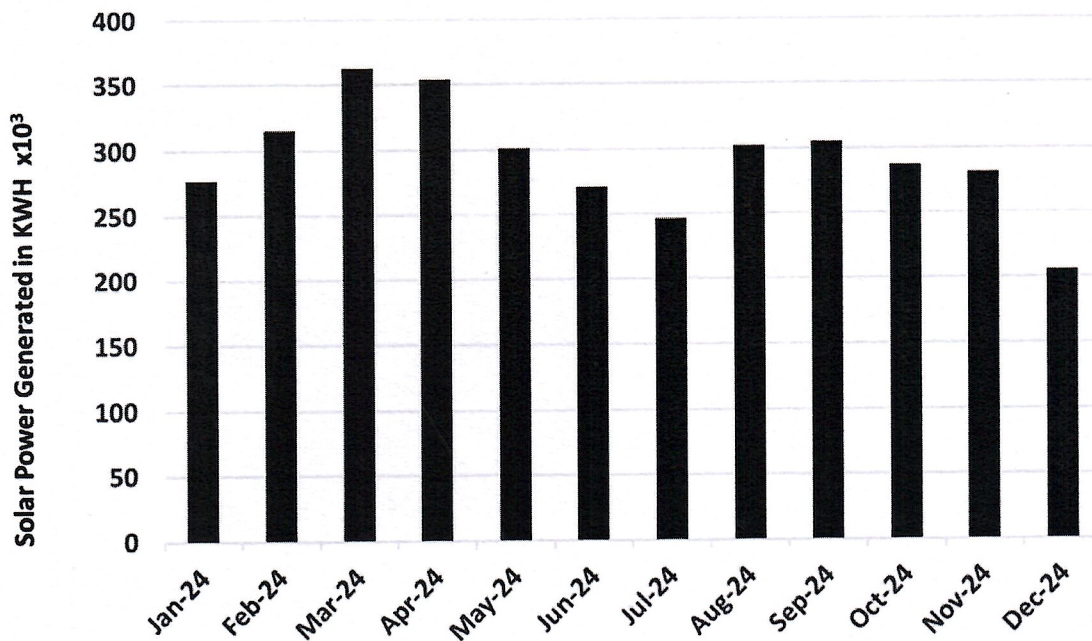


Department of Green Energy Technology
Madanjeet School of Green Energy
Technologies
Pondicherry University, Kalapet
Puducherry - 605 014

PU/GET/AP/Solar Power Generated /

27-03-2025

The Solar Power generated at Pondicherry University Main Campus for Jan 2024 to Dec 2024 from the installed capacity of ~3 MWh solar power plant.



Solar Power Produced is 3508162 KWH

Remarks:

The installed solar power is one of the largest affordable green energy generations in an educational institution in India. <https://www.youtube.com/watch?v=ucXI5iGB7YA>

The solar plant helps offset **2842** tons of carbon emissions annually on average.

Thank you.

Yours faithfully

R. Arun Prasath



Dr. R. ARUN PRASATH
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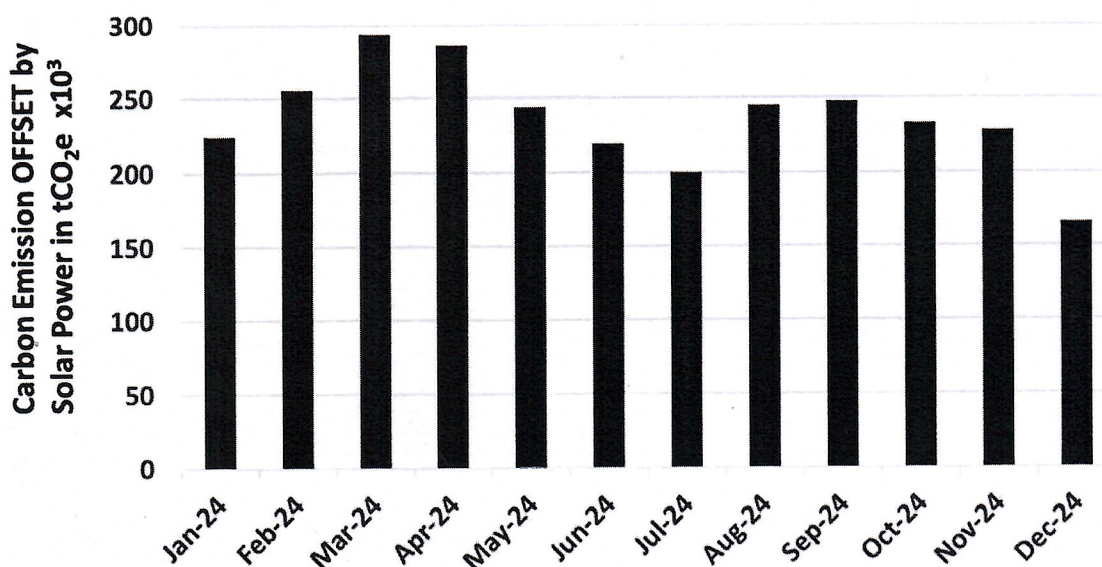


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PU/GET/AP/Solar Power CO₂e offset/Scope2/

27-03-2025

Scope 2: tCO₂e OFFSET through the Solar Power production at Pondicherry University Main Campus for Jan 2024 to Dec 2024 from the installed ~3 MWh solar power plant



Pondicherry University has installed ~3 MWp rooftop/ground solar power plants -one of the largest affordable and clean energy generation in an educational institution in India. Vice President M. Venkaiah Naidu inaugurated the same at Pondicherry University on 13th September 2021. The current installed solar plant helps **offset an average of 2842 tons of carbon emission** annually. The Solar power plant policy will last for 25 years from 2021 onwards. The university has taken several steps to renovate the old building with energy-efficient lights (LED), inverter cooling systems, centralized cooling systems, rooftop solar PV, rooftop rainwater harvesting, solar water heating systems, etc. Solar photovoltaic power generation systems in existing rooftop buildings are a significant achievement at Pondicherry University.

As per the Govt of Puducherry electricity dept policy, solar energy generation could be a maximum of 80% of sanctioned demand. The installed solar power plants have reached 80% of the sanction demand. The maximum generation of solar energy is between 8.00 AM to 4.00 PM, the most of the solar-generated power is utilized during peak working hours. In general, Pondicherry University achieved net zero during solar energy production. The Government of Puducherry could enhance its commitment to renewable energy by approving 100% generation from solar power and other renewable technologies. In response, Pondicherry University has the potential to expand its installation of solar power plants along with integrating additional renewable energy sources such as wind and biogas, thereby aiming to achieve net-zero emissions by 2030.

Thank you.

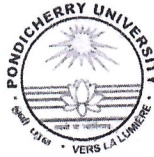
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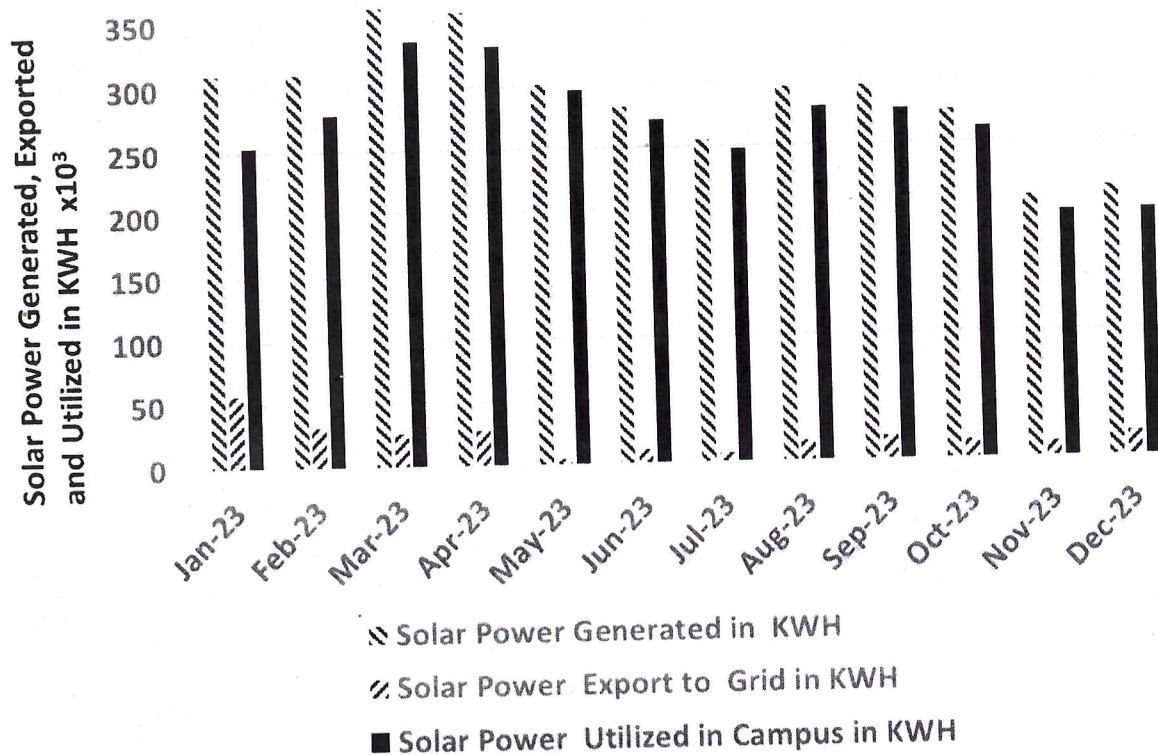


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PU/GET/AP/Solar Power Generated, Exported and Utilized/

04-04-2024

The Solar Power generated, exported and utilized at Pondicherry University Main Campus for Jan 2023 to Dec 2023 from the installed capacity of 2.4 MWh solar power plant.



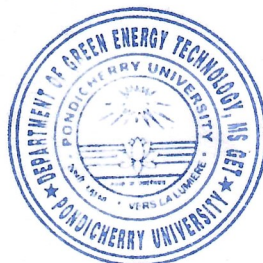
Solar Power Produced is 3469148 KWH
Solar Power Utilized in the Campus = 3223988 KWH (93% utilized)
Solar Power Export to Grid = 245160 KWH (7% exported)

Remarks:

The installed solar power is one of the largest affordable green and clean energy generations in an educational institution in India.
<https://www.youtube.com/watch?v=ucXI5iGB7YA>

The solar plant helps offset 2810 tons of carbon emission annually on average.

Thanking you,



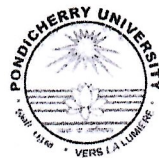
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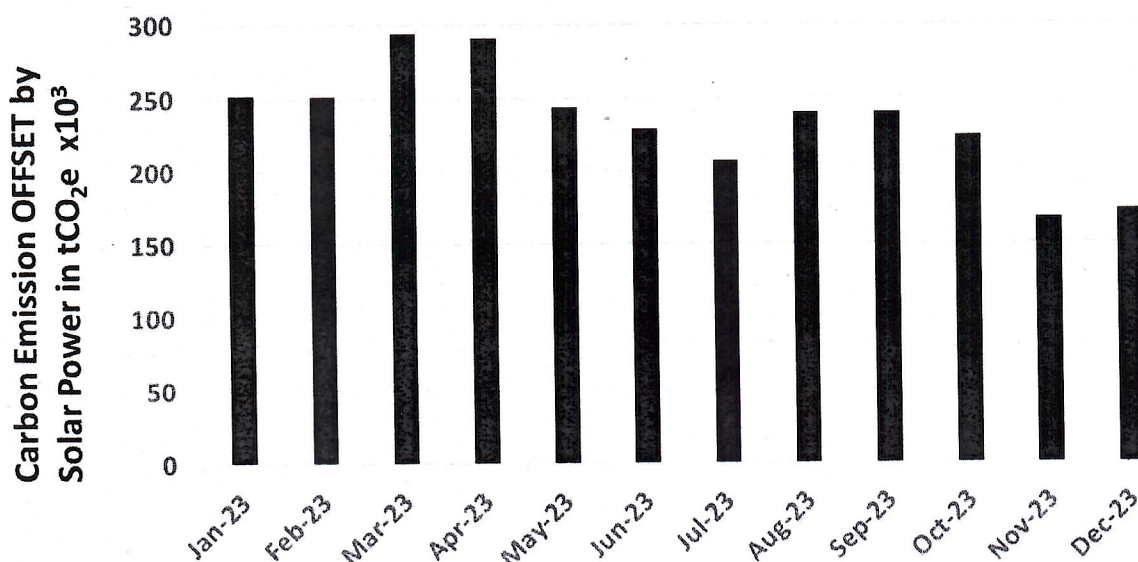


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PU/GET/AP/Solar Power CO₂e offset/Scope2/

04-04-2024

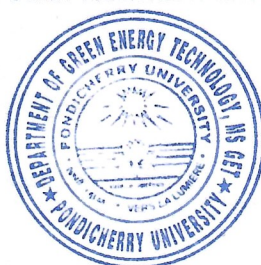
Scope 2: CO₂e OFFSET through the Solar Power production at Pondicherry University Main Campus for Jan 2023 to Dec 2023 from the installed 2.4 MWh solar power plant



Pondicherry University has installed a 2.4 MWp rooftop/ground solar power plant -one of the largest affordable and clean energy generation in an educational institution in India. Vice President M. Venkaiah Naidu inaugurated the same at Pondicherry University on 13th September 2021. The current installed solar plant helps **offset an average of 2810 tons of carbon emission** annually. The Solar power plant policy will last for 25 years from 2021 onwards. The university has taken several steps to renovate the old building with energy-efficient lights (LED), inverter cooling systems, centralized cooling systems, rooftop solar PV, rooftop rainwater harvesting, solar water heating systems, etc. Solar photovoltaic power generation systems in existing rooftop buildings are a significant achievement at Pondicherry University.

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Thanking you,



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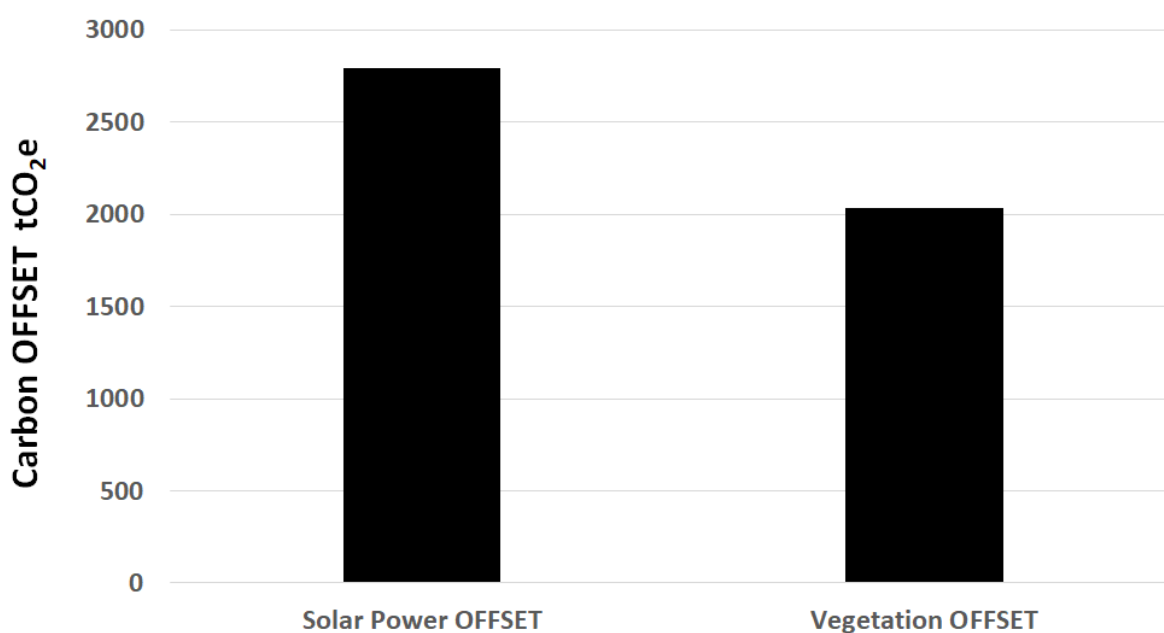


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PU/GET/AP/Carbon OFFSET at PU/Scope1&3/

04-04-2024

Scope 2 & 3 Carbon OFFSET: The 2.4 MWh Solar Power Plant at Pondicherry University- Main Campus offset 2810 tonnes of carbon emission and the 185 hectares of vegetation cover at Pondicherry University offset 2035 tonnes of carbon emission for Jan 2023 to Dec 2023.



The installed solar power plant with the capacity of 2.4MW offsets 2810 tCO₂e emissions and the 185 hectares of woody vegetation inside the campus offsets 2035 tCO₂e. A total of 4845 tonnes of carbon offset has been achieved, nearly 82% of scope 1 and 2 carbon emissions. By implementing several possible carbon offset techniques, Pondicherry University can attain a net zero carbon campus before 2030.

Thanking you



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PONDICHERRY
UNIVERSITY



PONDICHERRY UNIVERSITY

Solar Power Plant

Inaugurated by

Shri M.VENKAIAH NAIDU

Hon'ble Vice President of India &
Chancellor of Pondicherry University

on

Monday the 13th September 2021

In the presence of

Dr. TAMILISAI SOUNDARARAJAN

Hon'ble Lt. Governor of Puducherry &
Chief Rector of Pondicherry University

Shri N.RANGASAMY

Hon'ble Chief Minister of Puducherry

Prof. GURMEET SINGH

Vice - Chancellor, Pondicherry University

Dr.B.CHITHRA

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Pondicherry University gets a 2.4 MW solar plant

The rooftop solar plant, commissioned by Amp Energy India, will supply about 40% of the university's energy requirement and help offset around 2,900 tons of carbon emissions every year.

SEPTEMBER 16, 2021 **UMA GUPTA**

COMMERCIAL & INDUSTRIAL PV

ROOFTOP SOLAR

PUDUCHERRY



Solar plant at Pondicherry University

Amp Energy India

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Vice President Inaugurates Solar Power Plant At Pondicherry University



By India Education Diary ... — On Sep 13, 2021

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New Delhi: The Vice President, Shri M. Venkaiah Naidu today called upon states to promote the setting up of manufacturing plants for solar PV cells and modules to accelerate their production in India.

Observing that India still relies heavily on imported components such as solar cells and modules, he stressed the importance of 'Atma Nirbharta' in solar energy through active participation of the states. He also called for encouraging small players in the industry in this regard.

Noting that India's potential for growth in the renewable energy sector over the next few years, Shri Naidu said that the lack of a trained force is a bottleneck in our exponential growth in the sector. He suggested investing in training and upskilling the workforce in adopting the latest technologies and cited the instance of the scheme of 'Surya Mitras'.

Inaugurating a 2.4 Megawatt capacity solar power plant at Pondicherry University in the Union Territory of Puducherry, he expressed his concern over climate change and its impact. Shri Naidu emphasised that green energies such as solar, wind and small hydro offer a viable alternative to meet our growing energy needs.

Observing that India was fast becoming a global leader in 'energy transition', he noted that with over 40 Gigawatts of installed solar capacity, India is ranked fifth globally in solar power capacity.



He asks varsities to take up research on renewable energy

Vice-President Venkaiah Naidu on Monday said green energies offered a viable alternative to meet the growing needs of the country while being sustainable in the long run.

Dedicating to the nation the 2.4 MW rooftop solar power plant commissioned in Pondicherry University, Mr. Naidu said that solar energy in particular had shown the most promise in recent years. This preference for solar plants and solar energy among institutions and people was a very good and welcome sign.

Referring to the Inter-governmental Panel on Climate Change (IPCC) report, he said it cautioned about the rise in global temperature exceeding 1.5 degrees celsius. "Climate change is not a futuristic phenomenon and we are already experiencing it. The next few years are going to be very crucial for our collective action to mitigate climate change," he said.

Noting that India was endowed with vast solar potential, the Vice-President said the National Institute of Solar Energy (NISE) had assessed the country's solar potential to be about 748 GW, assuming 3% of the wasteland area to be covered by solar PV modules. This was a great opportunity waiting to be explored to provide reliable electricity to our remote areas, to reduce carbon emissions and to achieve energy security.

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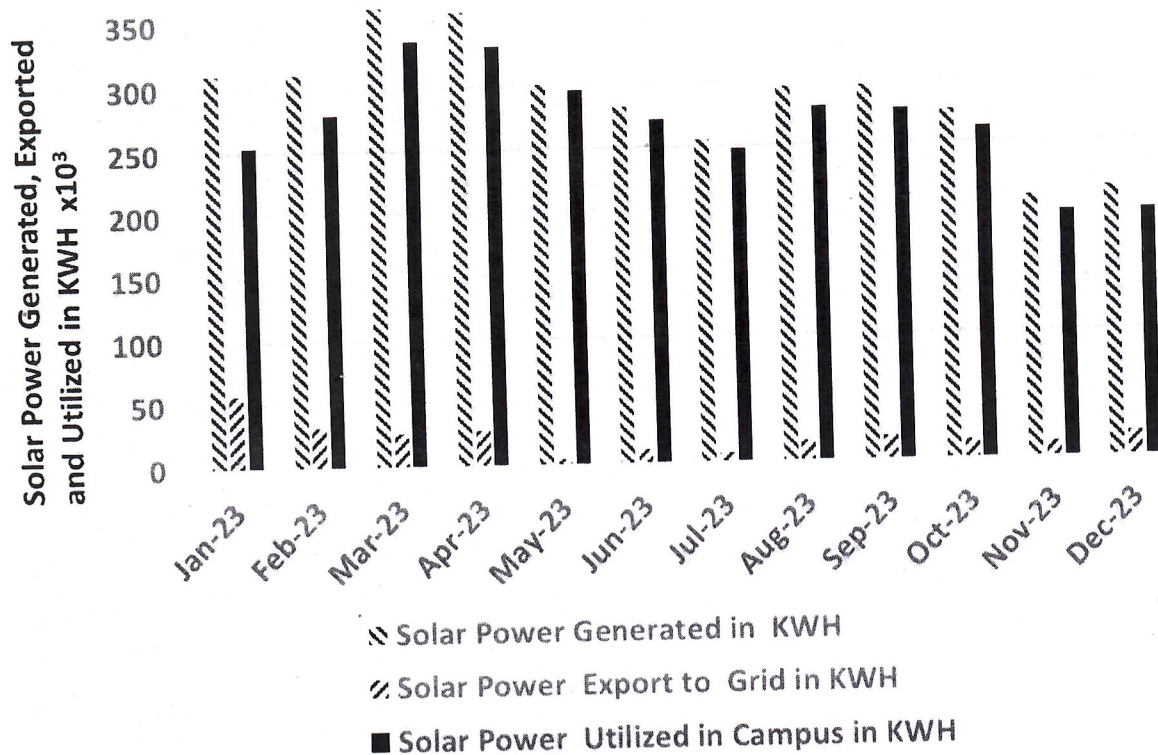


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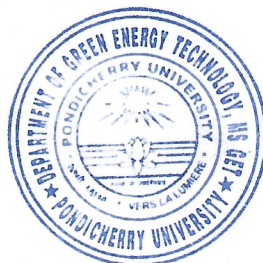
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