

Professor R. ARUN PRASATH
Head of the Department
Email: raprasath@pondiuni.ac.in
head.get@pondiuni.ac.in
Office: +91-413-2654 606/431
Mobile: +91-9487769611

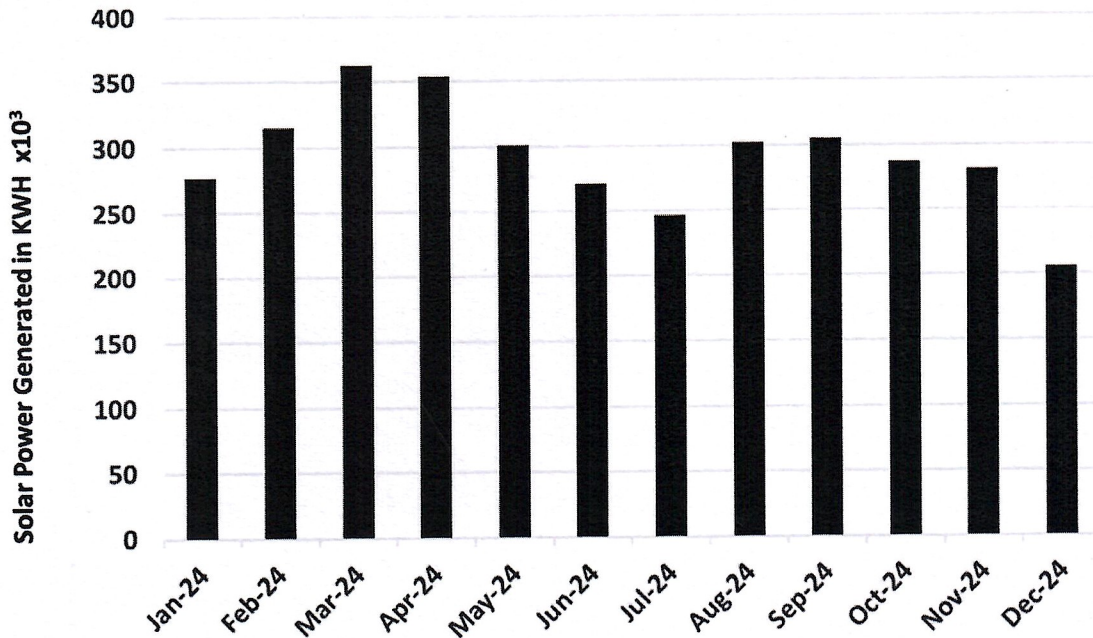


Department of Green Energy Technology
Madanjeet School of Green Energy
Technologies
Pondicherry University, Kalapet
Puducherry - 605 014

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
PROFESSOR & HEAD
DEPT. OF GREEN ENERGY TECHNOLOGY
PONDICHERRY UNIVERSITY
KALAPET, PUDUCHERRY-605 014.

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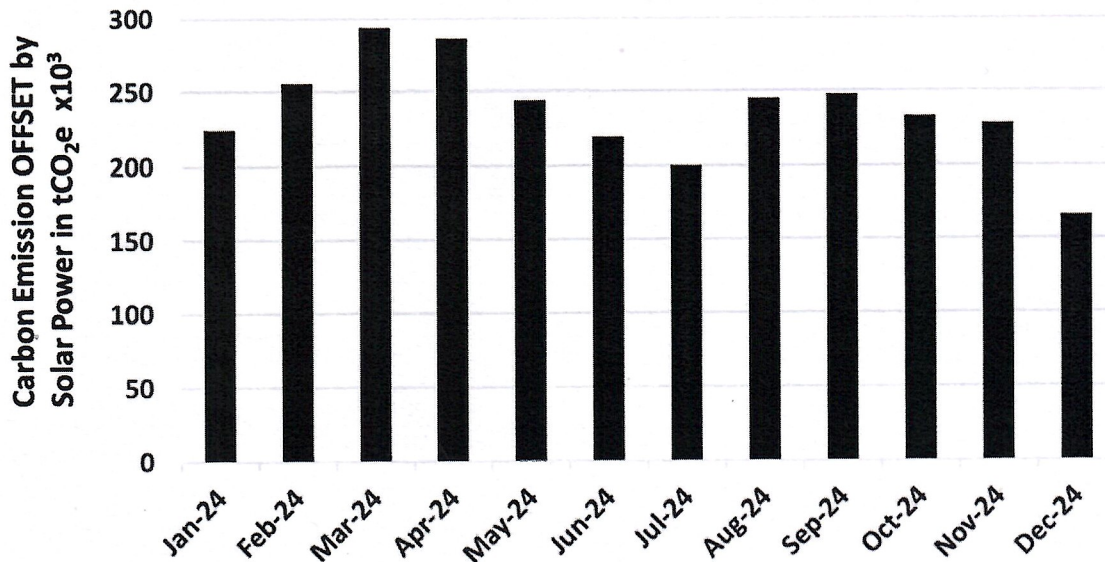


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PU/GET/AP/Solar Power CO₂e offset/Scope2/

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.

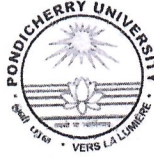
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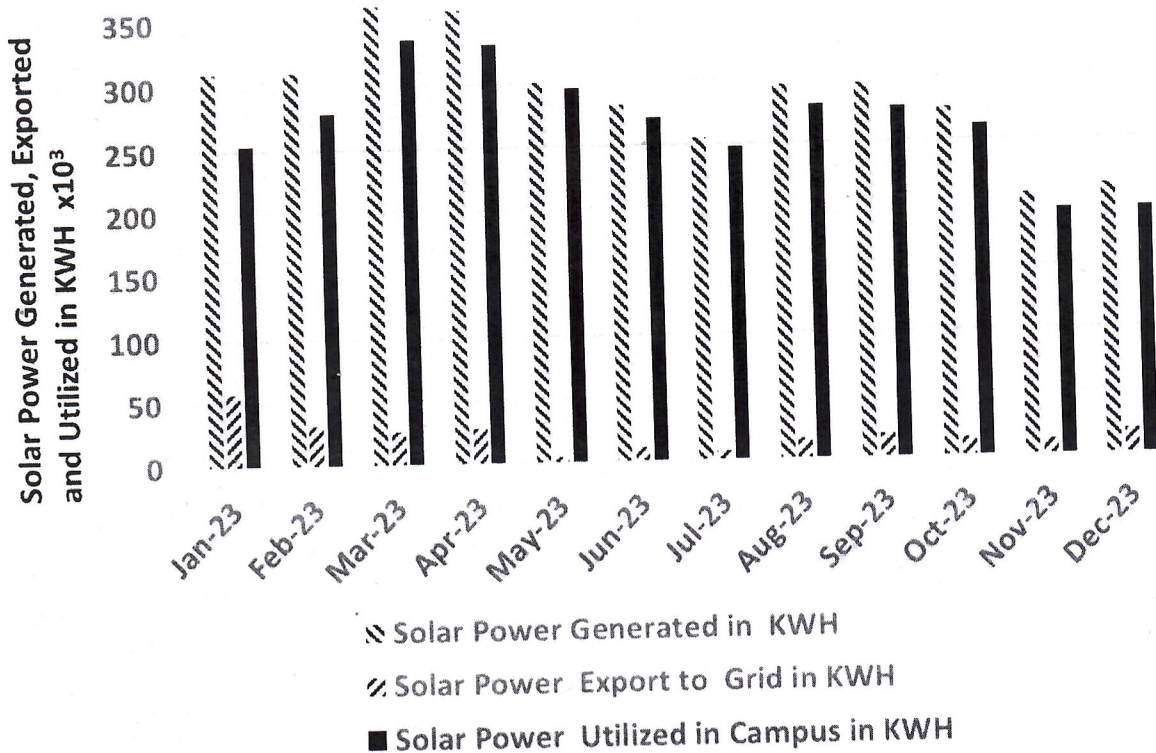


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PU/GET/AP/Solar Power Generated, Exported and Utilized/

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.



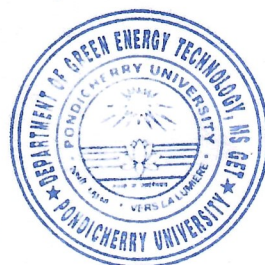
Solar Power Produced is 3469148 KWH
Solar Power Utilized in the Campus = 3223988 KWH (93% utilized)
Solar Power Export to Grid = 245160 KWH (7% exported)

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,



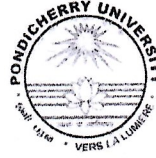
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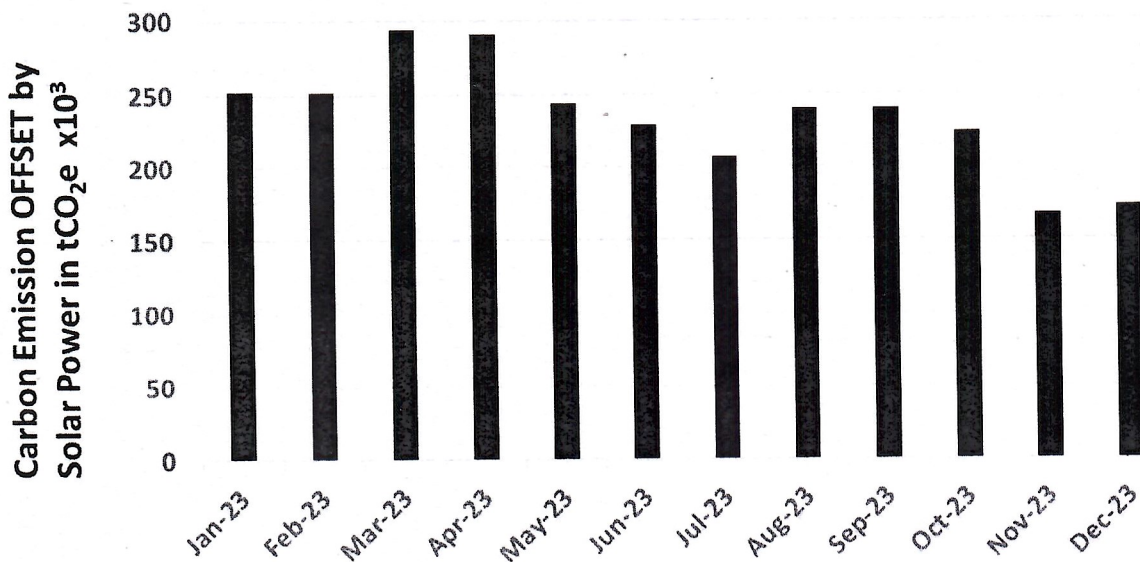


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PU/GET/AP/Solar Power CO₂e offset/Scope2/

04-04-2024

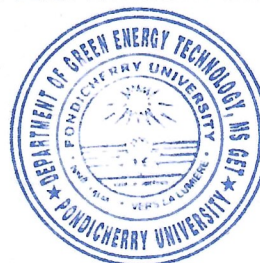
Scope 2: CO₂e OFFSET through the Solar Power production at Pondicherry University Main Campus for Jan 2023 to Dec 2023 from the installed 2.4 MWh solar power plant



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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