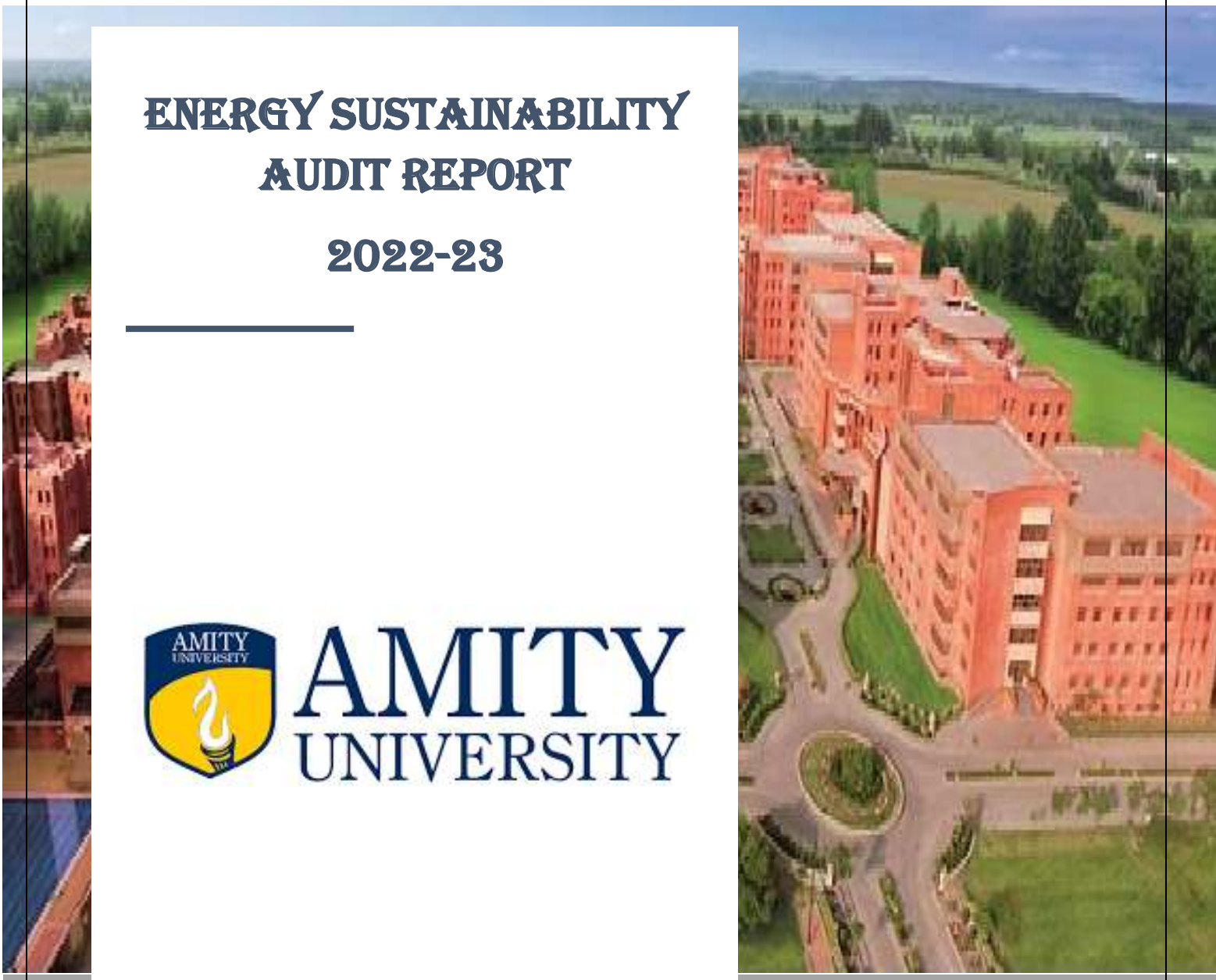

ENERGY SUSTAINABILITY AUDIT REPORT

2022-23

AMITY UNIVERSITY

APRIL 2023,

Amity University, Uttar Pradesh,
Sector 125, NOIDA, Uttar Pradesh

Energy Sustainability Audit Report-2022-23

Amity University, Uttar Pradesh, Sector 125, NOIDA, Uttar Pradesh

In exercise of its powers conferred under the provisions of Section 7(x) of AUUP Act 2005 and Article 6.3 b(viii) of First Statues Amity University Uttar Pradesh, endeavors to ensure the environment sustainability

"The future depends on what we do in the present."
-MAHATMA GANDHI

June,2021

Prepared and Certified by: ***Dr. Richa Nagar***
(CII-Certified Sustainability Professional)

Energy Sustainability profile

1) As per GRI standard the University energy efficiency for clause GRI 302-1 is as per standard.
2) Apart from the efficient use of energy leading to substantial reduction in carbon footprint of the institution the other aspects were also examined and audited.
3) Attempts are made to minimize the use of polluting fuels such as coal, oil, firewood and petroleum gas.
4) The procedure for Green auditing adopted is to collect basic data on the components of audit, compare them with similar data related to the previous year (where available) as well as with appropriate benchmarks, and showcase improvements as well as the way it has been achieved.
5) As 2020 was mostly a work from home, though essential services were being carried out from campus, the energy consumption was very low.
6) With available benchmarks for these criteria for the State/Country, feasible goals will be set for the year ahead, to go up in steps to the best possible level.
7) In the wake of threatening climate change impacts, the benefits of building resiliency through greener ways of lifestyle – within the educational institutions, at home and in community activities and projects – are to be propagated widely within the broad community; first spreading it to fellow students, next spreading it in inter collegiate activities; and finally through co-curricular and extra-curricular activities.
8) Opportunities for students to interact with leaders in the field of arts, culture, science and technology, planning, environment etc., through involvement in public events will be provided during every educational year.
9) The message finally will be conveyed to the society and desirable changes in life styles of the community achieved - through peer and familial pressures.

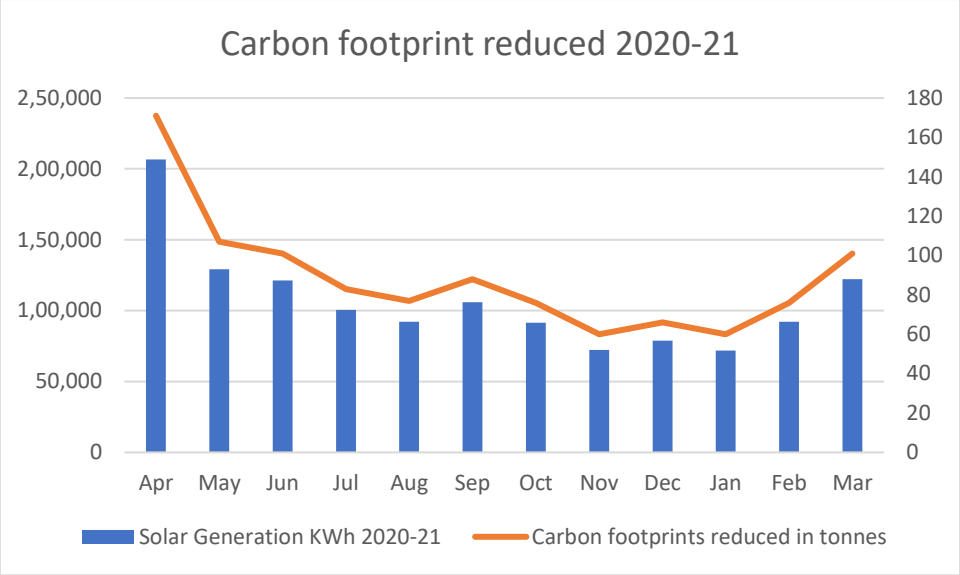

Fig: Carbon footprint reduced in 2020-21through solar power generation

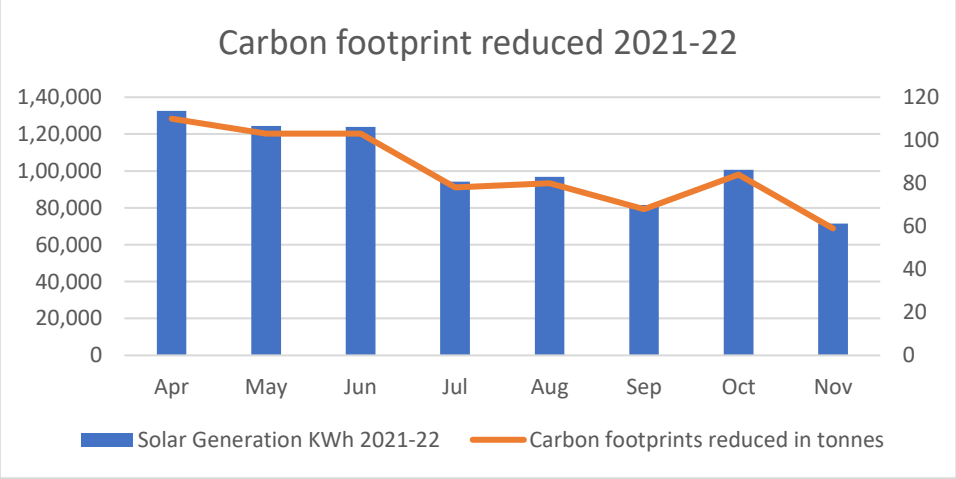

Fig: Carbon footprint reduced in 2020-21through solar power generation

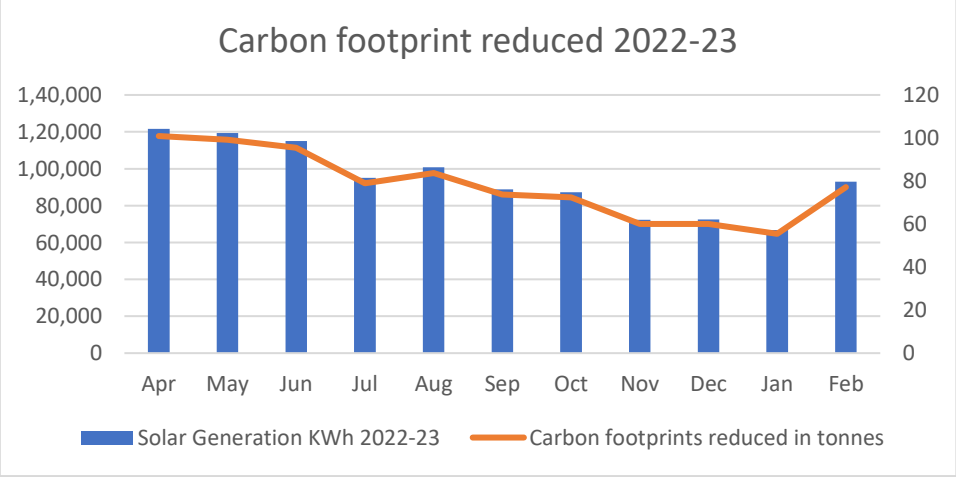

Fig: Carbon footprint reduced in 2022-23 through solar power generation

Solar panels are capable of generating power with zero emissions. The generated power can be used to feed your energy demand, perfectly replacing conventional energy needs with green energy.

Carbon Accounting for lowering the gases responsible for Green House effect : All vehicles entering University have “Pollution Under Control” certificate. All the HVAC equipments are “Freon Free Gases Emission” certified. Solar Energy System has an automated system which accounts for reduction in carbon footprint. Campus strictly follows "No Smoking Zone" principle. University adopts Green Computing and uses VMware and Electronic e-Waste disposal is through approved R2 certified vendor. Amity has been awarded “Go Green Innovation” by N-Computing. Sensor based lighting system in few classrooms is installed.

Some of the specific observations of Environmental Management system as per ISO 50001:2018 are enlisted below for review and consideration for continual improvement:

AS per ISO 50001:2018

S. No:	Aspect	Management Plan in place
1	Energy efficiency	The energy efficiency parameters for the whole campus should be identified and so that further strategies for energy conservation can be provisioned.
2	Solar generation	The regular maintenance of solar panels should be documented fortnightly.
3	Increase energy efficiency	All the Fluorescent Tubes may be replaced by LED tubes and CFLs with LED lights and sensor based lighting system may be established for all classrooms.