



Energy Policy

Overview:

Integral University Lucknow Campus has a unique culture of inclusiveness, diversity, personal and intellectual integrity and value based education. The University shall conserve energy by minimizing use of conventional energy and maximizing use of renewable energy resources to thereby reduce the University's carbon footprint.

Objective:

The University shall strive to maximize energy efficiency in existing buildings, renovations and new constructions. It shall periodically review its energy sources, energy forms and energy efficiency with a view to cause least negative environmental impact by substitution of conventional energy sources with renewable energy sources. It shall carry out a continuous programme of energy conservation by monitoring the consumption and eliminating redundant or avoidable energy loss.

Energy source substitution:

- Maximizing use of renewable energy with the help of the grid interactive roof top Solar PV System
- Usage of solar water heaters as substitute for electric geysers
- Generation of electrical energy by biogas plant with gas obtained from biomass including solid waste and sewage

Elimination of Energy Wastage:

- Maximizing use of energy efficient electrical equipments
- Maximizing use of sensor based electrical equipments
- Maximizing use of natural daylight for indoor illumination
- Maximizing use of natural ventilation
- Maximizing use of electric vehicles in campus as substitution for fossil fuel based vehicles
- Encouraging personnel to travel on foot within campus to promote energy saving and reduction of carbon footprint
- Maintaining good housekeeping practices



Implementation Process:

The University has a vision of maximizing energy efficiency and minimizing energy wastage and is under taking following activities to realize its energy policy:

- Efficient management of utilization of energy resources by use of green and high efficiency technologies
- In compliance with Paris Climate Accord for mitigation of green house gas emissions and to align with our national agenda of “Transform, Energize and Clean India”, Integral University has taken the initiative to develop infrastructure to generate and sustain green energy with installation of 1 MWp Grid connected Rooftop Solar PV System in 2018 at Integral University Campus. Operational since then, the plant has successfully generated 54,000 Lakh Units of electricity and realized total CO₂ emission mitigation of 51,000 tonnes till date.
- Energy conservation by elimination of use of desktops on account of cloud based teaching-learning infrastructure (Integral Learning Initiative) implemented
- LED lighting, star rating (4/5 star) inverter based air conditioners, refrigerators etc. are being used
- Incorporation of Photo electric switches to regulate use of street light and class room lighting as per need
- Thermostat control of electric equipments being used for energy saving
- Incorporation of biometric face/thumb impression recognition system in the University thereby promoting green technology and energy conservation
- Promotion of awareness related to energy conservation among various sections of society through research, seminars, professional development programs, value added courses and extension activities
- Carrying out of regular internal energy audit for identification and incorporation of energy conservation opportunities for clean environment and sustainable development

MAK
Authorized Signatory



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