



Manipal University Jaipur Energy Efficiency Standards Policy

Policy Statement

Manipal University Jaipur recognizes its responsibility to contribute to a sustainable and energy-efficient future. This Energy Efficiency Standards Policy establishes guidelines and procedures for ensuring that all renovations and new construction projects undertaken by the university adhere to energy efficiency standards, reducing energy consumption and environmental impact.

I. Purpose

The purpose of this Energy Efficiency Standards Policy is to:

- Promote responsible and sustainable energy use within Manipal University Jaipur.
- Minimize the environmental impact of campus construction and renovation projects.
- Set clear guidelines for architects, contractors, and project managers to follow during design and construction phases.
- Comply with relevant local, state, and federal regulations regarding energy efficiency in construction.

II. Scope

This policy applies to all construction and renovation projects carried out on Manipal University Jaipur property, including academic buildings, residence halls, administrative facilities, and any other university-owned structures.

III. Definitions

1. Energy Efficiency:

The use of technologies, practices, and design principles to minimize energy consumption while maintaining or enhancing performance and comfort.

2. LEED Certification:

Leadership in Energy and Environmental Design certification is a globally recognized rating system that assesses the sustainability and energy efficiency of buildings.





3. Renewable Energy:

Energy derived from sources that are naturally replenished, such as solar, wind, and geothermal energy.

4. Building Envelope:

The physical barriers of a building, including walls, roofs, windows, and doors, separate the interior from the exterior environment.

IV. Guidelines and Procedures

A. Project Assessment

- All construction and renovation projects must undergo an initial energy efficiency assessment to determine their potential environmental impact and identify opportunities for improvement.
- The assessment shall consider factors such as building design, materials, systems, and energy sources.

B. Design Phase

- During the design phase, architects and designers must prioritize energy-efficient building concepts and technologies, aiming for a minimum LEED Silver certification or equivalent.
- The design shall include provisions for natural lighting, ventilation, and the use of renewable energy sources.
- Building envelopes must be designed to maximize insulation and minimize heat transfer.

C. Construction Phase

- Contractors and construction managers shall adhere to the approved design plans and specifications for energy-efficient systems and materials.
- All construction personnel shall be trained in energy-efficient construction practices.
- Compliance with energy efficiency standards will be subject to regular inspections.





D. Post-Construction Assessment

- Upon project completion, an assessment will be conducted to ensure that all energy efficiency measures have been implemented as planned.
- Any discrepancies or deviations from the approved design shall be rectified.

V. Implementation and Compliance

A. Responsibility:

- The Directorate of General Services & Administration shall be responsible for overseeing the implementation and compliance of this policy.
- All university departments, contractors, and project managers shall adhere to this policy and collaborate to ensure its success.

B. Compliance

- Failure to comply with this policy may result in project delays, cost adjustments, or other corrective actions as per university regulations.
- Manipal University Jaipur shall maintain compliance with all applicable local, state, and federal regulations regarding energy efficiency in construction.

VI. Review and Revision

This policy shall be reviewed and updated as necessary to reflect changes in technology, regulations, and best practices related to energy efficiency standards in construction.

VII. Conclusion

Manipal University Jaipur's commitment to energy efficiency standards in construction demonstrates its dedication to sustainable and responsible practices. By setting clear guidelines for project assessment, design, construction, and compliance, Manipal University Jaipur aims to lead by example and reduce its carbon footprint. As other institutions and organizations adopt similar policies, we collectively move closer to a future where energy-efficient construction is the standard, fostering a more sustainable and environmentally conscious world.





Version History

Number	Year	Major Revision
Version 3.0	2022	Increasing Solar Capacity
Version 2.0	2021	More focus on carbon footprint
Version 1.0	2018	Initial policy

Approval

FA Susi

