

7.2.1 Energy-Efficient Renovation and Building

2023–2024

AASTMT has an energy policy in place for ensuring all renovations or new builds are following energy efficiency standards.

AASTMT Energy Research Unit and Energy Management Committee have updated its energy policy and approved the updated version, found in the link below, by 2023. This policy is reviewed annually to make sure it remains effective, relevant, and aligned with current goals, technologies, and regulations.

[Green Energy and Energy Management Policy](#) on AASTMT webpage

[Green Energy and Energy Management Policy](#), ensures that AASTMT measures, towards Clean Sustainable Energy, serve three main objectives: “Energy Efficiency and Saving, Expansion in Renewable Energy Employment and Carbon Emissions Reduction.”

To attain these objectives, primarily energy efficiency and saving prospects, AASTMT, in its policy statement, has a primary measure of ensuring that existing buildings renovations or new building establishments are following energy efficiency standards, presented in “AASTMT Approach of Establishing, Operating and Maintaining Buildings towards Achieving Sustainable Development Goals at All Academy Headquarters”.

[AASTMT Buildings' Approach towards SDGs-pdf](#)

[AASTMT Buildings' Approach towards Achieving SDGs](#) on AASTMT webpage

This is stated in the policy under two main aspects: Energy-efficient facilities and Regular Monitoring

“Energy-efficient facilities” aspect includes:

- Ensuring all renovations and new buildings follow energy efficiency standards in lighting, HVAC ...etc.
- Analysis of energy demand, updating development priorities, and upgrading the existing facilities.
- Ensuring the implementation of smart building technology by employing clean energy, energy efficiency strategies, and Building Management Systems (BMS) in new building design.
- Utilizing the unused space to build clean energy resources such as PV plants and Solar heaters.

“Regular Monitoring” aspect includes:

- Performing regular (online) monitoring and analysis of energy consumption.
- Regular monitoring of the air quality and environmental conditions.