

 Manjushree 2.0 <small>ADVANCED PACKAGING SOLUTIONS</small>		<h1 style="margin: 0;">ENERGY MANAGEMENT POLICY</h1>	Doc No.	MTL/COR/EHS / PLY/04
Department	EHS		Effective Date	03/01/2024
			Revision Date	03/01/2024
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1. PURPOSE

The purpose of the Energy Management Policy is to serve as a driver to improve and promote energy efficiency and conservation at the Manjushree Technopack Limited to:

- Encourage the promotion of diverse energy supplies and sources.
- Facilitate effective management of energy demand and its conservation.
- Advocate for energy research aimed at discovering efficient methods to conserve energy.
- Promote appropriate standards and specifications for the equipment, system and process used for producing, supplying and consuming energy.
- Ensure collection of data and information relating to energy supply, transportation and demand.
- Provide for optimal supply, transformation, transportation, storage and demand energy that are planned, organized and implemented in accordance with a balanced consideration of security of supply, economics, consumer protection and sustainable development.
- Provide for certain safety, health, and environmental matters that pertain to energy.
- Commercialize energy-related technologies for effective conservation of energy.
- Ensure effective planning for the energy supply, transportation and consumption.

Manjushree Technopack Limited Energy Management Policy shall commit to the following internal objectives drawn up from the above-mentioned Energy Act which will be applicable to all Units:

- To draft and implement a strategic plan to achieve energy efficiency and conservation.
- To comply with the Act and regulations framed thereunder.
- To provide resources as and when required to conserve energy and achieve energy efficiency.
- To train staff to ensure that they are capable of conserving energy and of using it efficiently.
- That the policy will be endorsed by top management.
- That staff will be familiar with the contents of the policy.

2. SCOPE

This policy shall apply to all establishments of Manjushree Technopack Ltd, and each employee shall be made a partner in implementing the policy.

This policy is applicable to all Manjushree Technopack Limited business units, including subsidiaries, joint ventures, and acquisitions, managed sites, licensees, outsourcing partners, corporate offices, and research facilities. This policy is also applicable to all Manjushree Technopack Limited employees, contractor employees, business partners, suppliers, and others with whom Manjushree Technopack does business.

In addition, this policy is applicable throughout the operational lifecycle of the projects and mines, covering stages from exploration and planning to evaluation, operation, and closure. Furthermore, it extends to upstream operations.

3. POLICY STATEMENT

Manjushree Technopack Limited is committed to adopting energy conservation practices by:

- Ensuring compliance with relevant legal and other requirements: and
- Improving its policies and practices continually to adapt to a dynamic environment and technologies and fostering energy conservation.

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Manjushree Technopack Limited aims to address these commitments through the following actions where reasonable and practical and in a financially viable manner:

Manjushree Technopack Limited is committed to:

1. We shall conduct energy audit to identify energy-saving opportunities through internal or external expertise. Based on the findings, we will prioritize key conservation areas and implement improvements accordingly.
2. Implementing continuous energy improvement through systematic performance evaluation.
3. Setting ambitious global and local energy efficiency and carbon emission targets and providing the resources needed to achieve them.
4. Moving forward in the use of energy from renewable sources, including electricity (up to 100%) and fuels, and replacing fossil fuels with others from renewable sources
5. Applying common energy management standards, sharing best practices and gradually implementing energy management systems that help reduce energy consumption and optimize process efficiency.
6. Ensuring compliance with current energy legislation and other commitments to which the organization subscribes.
7. Gradually incorporating criteria for internalizing the cost of energy and carbon, such as the total cost of ownership (TCO) and the internal price on carbon.
8. Actively engaging with the value chain to encourage progress on its energy commitments and standards to reduce indirect carbon emissions, especially in:
 - a. The supply chain: working with our suppliers to reduce their emissions.
 - b. Customer equipment: gradually improving the management and design of equipment to increase energy efficiency and reduce associated carbon emissions.
9. Communicating this policy and the Company's energy performance, having our performance verified by an external organization.
10. Collaborating with others to achieve a low-carbon economy, e.g. exchanging practices with industry.
11. We are investing in renewable energy production and research and development at present and will maintain these efforts to support ongoing energy conservation.
12. Fostering greater awareness and commitment to energy consumption and efficiency.
13. Using the potential of the digital world to promote energy efficiency and the reduction of emissions among employees, partners and customers.

3.1 Energy monitoring

- (1) Implementing an energy usage monitoring program to determine the actual energy consumption for:
 - (i) Monitoring will be done regularly, and measurements will be compared with national standards and internal criteria. Suitable initiatives will be implemented

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to address problem areas and to reduce general energy consumption.

- (2) Implementing an energy conservation program.
- (3) The energy conservation program will focus on
 - (i) Only operating plants and equipment when buildings and venues are in use.
 - (ii) Operating plant and equipment as far as possible at the design parameters thereof, provided that where air conditioning is concerned, a 2% variance from an ambient temperature of 23 °C (regarded as optimal for human comfort) will be allowed.
- (4) Effective maintenance of plants and equipment This will be achieved by:
 - (i) Ensuring the effectiveness of plants and equipment through planned maintenance,
 - (ii) Executing plant efficiency tests to determine the efficiency of planned maintenance, and
 - (iii) Applying condition monitoring techniques to ensure optimal plant performance.
 - (iv) Prioritizing energy conservation during the refurbishment and upgrade of buildings and of plants and equipment.
- (5) Energy conservation will be an important consideration when plants and equipment are replaced, for example:
 - (i) Replacing conventional light fittings with energy-efficient alternatives.
 - (ii) Installing movement sensors to activate and deactivate lights; and
 - (iii) Replacing HVAC equipment with equipment that is more energy efficient.
 - (iv) In the design of new buildings, the most suitable energy efficient technologies and standards will be employed where financially feasible.
 - (v) Raising awareness of the importance of energy conservation
- (6) Suitable measures will be implemented to raise the awareness of staff and Employees of the critical need to conserve energy. Examples of simple rules that can be promoted to save energy are:
 - (i) Switch off lights and air conditioners when leaving the office
 - (ii) The power settings of PC's and printers as well as UP's computer and IT infrastructure will have to be reconfigured to reduce power usage
 - (iii) Apply power saving mode and screen savers on PCs when left inoperative for periods of 15 min or more
 - (iv) Ensure that energy efficiency is prioritized when energy intensive equipment is purchased.
 - (v) Alternative energy sources will be investigated in order to reduce the Manjushree Technopack Limited's reliance on fossil fuels and to gradually introduce renewable sources of energy where practical and economically feasible.

Goals:

- MTL has already achieved 46% usage of renewable energy in overall power consumption in FY24 and aims to achieve 71% by 2027.
- Employees are encouraged to provide projects on energy conservation, and the best ideas will be trailed, and the employee will be rewarded for the same.
- Our efforts to conserve energy are being intensified, alongside training initiatives for employees on responsible energy management in overall usage of energy by 2025.

4. RESPONSIBILITY FOR IMPLEMENTATION

The Executive member responsible for Facilities Management will be responsible for Manjushree Technopack Limited wide implementation of this policy.

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5. COMMENT AND REVIEW

Manjushree Technopack commits to support and implement this Energy Policy. This policy should be reviewed at least once a year or when there are any changes.

REVIEWED BY	APPROVED BY	DATE	CHANGES MADE
Abilaash. P (DY. MGR. - EHS)	Kannan B (GM-EHS)	03/01/2024	No changes