GOVERNMENT OF INDIA
MINISTRY OF NEW
AND RENEWABLE ENERGY

Confederation of Indian Industry

6th CII International Energy Conference & Exhibition

Driving India's Energy Transition: Pathway to Net-Zero

Engage, Energize, Empower

22-23 September 2025, Taj Palace, Sardar Patel Marg, New Delhi

Introduction

India is undergoing a significant energy transformation, driven by its steadfast commitment to achieving net-zero emissions by 2070. The country's journey to a sustainable energy future is critical for both its own development and for global progress in combating climate change. This transformation spans across sectors, with a strong emphasis on energy access, efficiency, and supply chain security, ensuring that economic growth remains inclusive and sustainable.

In the last five years, the sector has attracted over USD 10 billion in foreign direct investment, demonstrating its growing potential. The government is also focusing on advancing clean energy through initiatives like offshore wind development, hydrogen valleys, electric mobility expansion, battery energy storage systems, and green hydrogen adoption. However, achieving India's energy transition will require overcoming significant challenges, including barriers in manufacturing, finance, infrastructure, and policy frameworks.

Renewable Energy Manufacturing: One critical aspect of this transformation is India's focus on domestic manufacturing, which aims to reduce dependence on imports for critical technologies and promote indigenous ecosystem in sectors, like green hydrogen, energy storage, and renewable energy infrastructure. This self-reliance will be key to achieving long-term energy security and supporting India's net-zero ambitions.

Transitioning of Traditional Sectors: While India makes strides in renewable energy, the thermal energy sector remains a key pillar of its energy strategy. Balancing the transition to renewable energy with a resilient and emission-reduced thermal power will be crucial to ensuring grid stability and energy security.

International dynamics, including shifts in U.S. climate policy, trade relations, and global technology markets, will also influence India's energy strategy. This is particularly true for market access and technology trade, which will be vital to accelerating India's transition to a low-carbon future.

Objectives

The 6th CII International Energy Conference & Exhibition (IECE) aims to convene policymakers, industry, researchers, and innovators to explore scalable, sustainable solutions for India's energy transition.

IECE will provide a unique platform for stakeholders to ***Engage*** in transformative dialogues, ***Energize*** clean energy ecosystems, and ***Empower*** communities to accelerate India's transition to net zero.

- Facilitating dialogue on energy transitions aligned with net-zero ambitions
- Integrating global energy transition solutions into India's industry practices
- Showcasing cutting-edge technologies and solutions for clean energy adoption
- Highlighting investment opportunities across renewable energy value chains
- Exploring pathways to develop resilient and self-reliant supply chains
- Strengthening international collaboration to drive innovation, trade, and economies of scale

Expected Outcomes

- **Building Consensus:** Aligning stakeholders on energy transition goals
- **Attracting Investment:** Driving investment in clean energy supply chains
- **Best Practices for Renewable Energy**: Highlighting scalable solutions for adoption
- **International Cooperation:** Strengthening global partnerships for energy innovation
- **Policy Recommendations:** Creating policies to scale clean energy solutions
- **Inclusive Energy Transitions:** Ensuring equitable access to clean energy for all
- **Showcasing Cutting-Edge Technologies:** Presenting innovative energy solutions and technologies
- **Developing Resilient Supply Chains:** Identifying pathways to build resilient, self-reliant energy supply chains
- **Fostering Public-Private Partnerships:** Promoting collaboration between governments and private sector for accelerating energy transitions

Key Highlights of IECE

Highlights	Key Features
Launch of CII-EY Report on "Net-Zero Solutions"	Analysis of net-zero pathways, investment needs, and their impact on energy security and economic growth Policy recommendations for scaling clean energy adoption
Exhibition	To show case latest technologies across all energy sub-sectors and covering the value chain
B2B, B2G meetings	Fostering partnerships to drive energy transition
Conference	Sessions focused around five tracks Ministerial plenaries Fireside chats

Conference Themes

	Conference Tracks	Themes
1	**Collaborations for Greener Future**	• Global and Regional Cooperation for Accelerating Energy Transition • The Role of Public- Private Partnerships in Accelerating Green Energy • Financing Models for New Energy • Implications of International Trade on Energy Markets
2	**Innovation for Sustainable Energy Systems**	• Regulatory Framework for Driving New Technologies in Nuclear • Building Robust Systems: Role of AI & Digital Technologies • Sustainable Fuel Options for Future Mobility: Biofuel and Hydrogen

3	**Manufacturing for India & the World**	• Building indigenous manufacturing capabilities in solar energy to reduce dependence on imports • Vertical Integration of Supply Chains for Critical Minerals • Electrolyser Manufacturing for Green Hydrogen Development • Manufacturing for Domestic & Global Wind Markets • Scaling up Manufacturing for Transmission Infrastructure
4	**Enlarging Basket to Foster Quality Energy Access**	• Offshore and Onshore Wind Energy: Opportunities and Challenges for India • Scaling up Solar through Hybrid Projects • Ensuring Energy Security for Viksit Bharat and the Role of Thermal in India's Energy Landscape • Storage Solutions for Ensuring 24/7 Renewable Energy Supply
5.	**Enabling People Centric Transition**	• Engaging Communities for Just Transition • Skill Development for Advanced Energy Systems

Participants

The event will attract a diverse mix of stakeholders from India and abroad including:

- **Industry Leaders:** Executives from renewable energy, finance, and technology sectors
- **Government Officials:** Policymakers from national and sub-national levels focusing on energy, environment, and infrastructure
- **Civil Society Organizations:** Environmental advocates, energy access groups, and community organizations
- **Academia:** Researchers and thought leaders contributing to the clean energy discourse
- **Next-Generation Leaders:** Stakeholders like startups, early-stage clean tech companies, and youth leaders who are key drivers of the future of energy