

# 5<sup>th</sup> International Energy Conference & Exhibition



## Global Dialogue on Energy Transformation

17 – 18 December 2024 | The Ashok, New Delhi

## Agenda

**Day 1: 17 December 2024**

**INAUGURAL SESSION**

**0945 – 1040 hrs**

**Inaugural Session**

The session aims to inspire a collaborative vision for a greener, more resilient India, driving progress towards the nation's goal of becoming a developed, energy-efficient economy by 2047

0945-0950 hrs	<b>Opening Remarks</b>	Mr Rajiv Memani President Designate, Confederation of Indian Industry and Chairman India Region & Chairman Growth Markets Council, Ernst & Young LLP (India)
0950-0955 hrs	<b>Context Setting</b>	Mr Girish Tanti Co-Chairman, CII National Committee on Renewable Energy and Vice Chairman, Suzlon Group
0955-1000 hrs	<b>Industry Perspective</b>	Mr Vineet Mittal Co-Chairman, CII National Committee on Renewable Energy & Founder and Chairman, Avaada Group
1000-1005 hrs		Launch of Second Edition of EY “ <b>Energy Transition Investment Monitor</b> ”  CII Report on “ <b>Energy Transition for Viksit Bharat 2047</b> ”
1005-1020 hrs	<b>Keynote Address by Guest of Honour</b>	Shri Pralhad Joshi Hon'ble Union Minister of New & Renewable Energy and Consumer Affairs, Food and Public Distribution
1020-1030 hrs	<b>Special Address</b>	Mr Prashant Kumar Singh Secretary Ministry of New & Renewable Energy
1030-1035 hrs	<b>Vote of Thanks</b>	Mr Sameer Gupta Chairman CII Task Force on RE Manufacturing and CMD, Jakson Group

## PLENARY SESSION 1

**1100 – 1145 hrs**

Track IV- Empowering Manufacturing: Driving Innovation and Global Competitiveness

### **Critical Mineral Security Partnership: Building Supply Chain Resilience for Supporting Energy Transition**

Securing critical minerals such as lithium, cobalt, and rare earths is essential for energy transition technologies. Despite rising demand, limited domestic reserves and heavy import reliance pose challenges. Investments in domestic exploration and refining and the establishment of international alliances to secure mineral supplies are key recommendations for building resilient supply chains. This session will explore the importance of securing critical minerals for India's energy transition, focusing on the demand outlook for minerals needed to support the 500 GW non-fossil energy target. Discussions will cover the technology, policy, and investment strategies necessary for enhancing exploration, mining, and refining capabilities. Experts will examine the role of international partnerships in building resilient supply chains and securing access to critical minerals. The session aims to identify key opportunities for strengthening India's position in the global energy transition by ensuring a steady, sustainable supply of critical materials.

#### ***Discussion Pointers:***

- *Critical mineral demand outlook for 500 GW non-fossil energy integration*
- *Technology, policy and investment outlook in the critical mineral exploration, mining and refining*

1100-1105 hrs	<b>Opening Remarks</b>	Mr Rahul Sharma Deputy Chief Executive Officer Vedanta
1105-1110 hrs	<b>Context Setting</b>	Ms Ruchi Kukreja Lead Advocacy Aditya Birla
1110-1115 hrs	<b>International Perspective</b>	Ms Gauri Singh Deputy Director General IRENA
1115-1120 hrs	<b>Address</b>	Mr Dinesh Mahur Joint Secretary Ministry of Mines

1120-1125 hrs	<b>Address</b>	Mr Mahaveer Singhvi Joint Secretary-NEST Ministry of External Affairs
1125-1135 hrs	<b>Keynote Address</b>	Mr Srikant Nagulapalli Additional Secretary Ministry of Power
1135-1140 hrs	<b>Vote of Thanks</b>	Ms Soma Banerjee Deputy Director General CII

**TEA BREAK: 1145-1200 hrs**

## PANEL DISCUSSION 1

**1200-1245 hrs**

Track I-Enabling Energy Access: Empowering Sustainable Solutions

### **Scaling up Decentralised RE investment with Policy Incentives**

Decentralized renewable energy (RE) is essential for extending energy access to remote regions. The sector is witnessing growth in C&I captive green energy and battery energy storage systems. However, regulatory challenges, particularly concerning open access, and the scalability of decentralized systems, hinder progress. Policy recommendations include streamlining open access regulations and providing subsidies and incentives to encourage the adoption of decentralized RE and storage systems. This session will focus on scaling up decentralized renewable energy (RE) solutions through targeted policy incentives. It will explore the potential of captive green energy models for commercial and industrial (C&I) sectors, the integration of ACC battery storage for renewable energy and backup applications, and the implementation of green energy open access rules across India. Experts will discuss how these innovations can drive widespread adoption of clean energy, enhance energy access, and contribute to India's sustainable energy future. The session aims to highlight actionable strategies to empower stakeholders and accelerate the transition to a decentralized, resilient, and green energy ecosystem.

#### ***Discussion Pointers:***

- *C&I captive green energy open access*
- *ACC battery energy storage for RE integration and power back-up applications*
- *Implementing green energy open access rules across India*

1200-1205 hrs	<b>Opening Remarks</b>	Mr Parag Sharma Vice Chairman, CII National Committee on Renewable Energy and Founder & Chief Executive Officer, O2 Power
1205-1215 hrs	<b>Special Address</b>	Mr Prashant Kumar Singh Secretary Ministry of New and Renewable Energy
1215-1240 hrs	<b>Panel Discussion Moderated by</b>	Mr Neeraj Menon Head of Projects Practice Trilegal

**Panellists**

Mr Parag Sharma  
Vice Chairman, CII National  
Committee on Renewable Energy  
and Founder & Chief Executive  
Officer, O2 Power

Mr Akshay Hiranandani  
CEO  
Serentica Renewable

Mr S Manikkan  
Executive Director & CEO Radiance  
Renewables

Mr Sajay KV  
CEO  
Zelestra

Mr Dhananjay Kumar  
Director  
Engie India

1240-1245 hrs

**Concluding Remarks**

Mr Neeraj Menon  
Head-Energy and Infrastructure  
Practice  
Trilegal

**PANEL DISCUSSION 2**

**1245-1345 hrs**

Track II- Enhancing Energy Supply: Innovations and Strategies

**Outlook for Wind Energy**

This session will focus on the future of wind energy in India, including offshore wind lease rules, open access bids, and viability gap funding. Discussions will cover the transmission plans needed to integrate offshore and onshore projects, along with the regulatory framework's impact on investment. Experts will also explore technological innovations, environmental considerations, and market trends shaping wind energy's growth in India, aiming to identify strategies to boost adoption, improve grid integration, and enhance the scalability of wind power projects. The session will provide valuable insights on how to navigate regulatory challenges, streamline infrastructure development, and accelerate the transition to a cleaner, more sustainable energy future for India.

***Discussion Pointers:***

- *Offshore wind energy lease rules, bids for four blocks of 1 GW each on open access basis for development of projects off the coast of Tamil Nadu, viability gap funding*
- *Transmission connectivity plans essential for integrating both offshore and onshore projects into the grid, as well as the current regulatory framework and its impact on investment.*
- *Technological innovations, environmental considerations, and market trends shaping the future of wind energy in India.*

1245-1250 hrs	<b>Opening Remarks and Moderation by</b>	Mr J P Chalasani Group CEO Suzlon Group
1250-1255 hrs	<b>Special Address</b>	H.E. Ms May-Elin Stener Ambassador of Norway to India
1255-1345 hrs	<b>Panellists</b>	Mr Lalit Bohra Joint Secretary Ministry of New and Renewable Energy  Mr RPV Prasad Managing Director Envision India  Mr Amar Variawa

Vice President and Country  
Head  
Vestas Wind Technology India

Mr Balram Mehta  
COO & Group President  
ReNew

**1345 – 1430 hrs  
LUNCH**



## PLENARY SESSION 2

1430 – 1515 hrs

Track IV- Empowering Manufacturing:  
Driving Innovation and Global Competitiveness

### Turning Trade Disruption into Opportunities for Energy Transition Goods and Services

This session will focus on potential to turn disruptions into opportunities for trade in energy transition goods and services. Discussions will center on how policy convergence can strengthen supply chain resilience, foster collaboration, and unlock new trade opportunities in the global energy transition market. Experts will explore strategies to enhance cross-regional partnerships, improve manufacturing capabilities, and position India as a key player in the global energy supply chain. The session aims to identify actionable pathways for driving innovation, competitiveness, and sustainable economic growth within the energy transition sector.

#### **Discussion Pointers:**

- *Policy convergence to strengthen supply chain resilience*
- *Leverage trade opportunities*

1430-1435 hrs	<b>Opening Remarks</b>	Mr Rajiv Ranjan Mishra Co-Chairman, CII National Committee on Power and Managing Director Apraava Energy
1435-1445 hrs	<b>Address</b>	Mr Søren Nørrelund Kannik-Marquardsen Minister Counsellor Director of the Trade Council South Asia and Head of Trade Economic & Commercial Affairs Embassy of Denmark
1445-1455 hrs	<b>Address</b>	Dr Ajay Mathur Director General ISA
1455-1510 hrs	<b>Keynote Address</b>	Shri Jitin Prasada Hon'ble Minister of State for Commerce & Industry Government of India
1510-1515 hrs	<b>Vote of Thanks</b>	Mr Sameer Gupta Chairman, CII Task Force on RE Manufacturing and CMD

Jakson Group

**PANEL DISCUSSION 3**

**1515 – 1605 hrs**

Track III-Energy Transition:  
Seizing Opportunities for Growth and Investment

**Pathway to Gas based Economy**

This session will explore the role of natural gas as a transitional fuel in global and Indian energy landscapes, supporting decarbonization while meeting energy demand. Key discussions will cover economic, environmental, and policy frameworks to boost natural gas's share, with a focus on India's strategy to expand its gas-based energy mix. Topics include infrastructure development, investment opportunities, and regulatory reforms for affordable, sustainable energy access. International perspectives will shed light on how countries use natural gas to drive cleaner industrial processes, power generation, and transportation, highlighting its importance in the shift toward a low-carbon economy.

***Discussion Pointers:***

- *Implementation of National Gas Grid, key challenges and prospects of timely completion*
- *Creating Unified policy frameworks for gas-based economy*
- *Frameworks for gas-related infrastructure*
- *Encouraging best practices for effective public private collaboration to build gas-based economy*

1515 - 1520 hrs	<b>Opening Remarks by Session Chair &amp; Moderator</b>	Dr Ranjit Rath Chairman, CII National Hydrocarbon Committee and Chairman and Managing Director Oil India
1520 - 1600 hrs	<b>(Panel Discussion)</b>	Mr Sanjay Khanna Director BPCL  Mr Suresh P. Manglani CEO Adani Total Gas  Mr Chandler Matthew Managing Director ExxonMobil Gas (India) Pvt Ltd

Mr Nakul Raheja  
Country Head  
Shell Energy India

Mr Akhil Mehrotra  
MD & Chief Executive Officer  
Pipeline Infrastructure Limited  
(PIL)

1600 -1605 hrs    **Q & A**

**TEA BREAK: 1605-1615 hrs**

### PLENARY SESSION 3

**1615 – 1715 hrs**

Track II- Enhancing Energy Supply: Innovations and Strategies

#### **Opportunities in the Green Hydrogen and Derivatives Value Chain**

This session will explore the opportunities within the green hydrogen and derivatives value chain, focusing on India's National Hydrogen Mission and related programs. Discussions will highlight state policies that drive green hydrogen investments, production, and exports, as well as the market outlook for hydrogen production, transformation, storage, transportation, and end-use. Experts will also examine the investment strategies of domestic oil and gas majors in this emerging sector. The session aims to provide insights into how India can leverage green hydrogen to meet its energy transition goals and become a global leader in clean hydrogen production and technology.

#### ***Discussion Pointers:***

- *National hydrogen mission and related programs*
- *State policies for advancing green hydrogen investments, production and exports*
- *Market outlook: production, transformation, storage, transportation and end-use*
- *Investment plans of domestic oil & gas majors*

1615-1625 hrs	<b>Opening Remarks</b>	Mr Vipul Tuli Chairman Sembcorp
1625-1635 hrs	<b>Industry Perspective</b>	Mr Anil Taparia COO-Ammonia ACME
1635-1645 hrs	<b>Special Address</b>	Mr Abhay Bakre Mission Director-National Green Hydrogen Mission Ministry of New and Renewable Energy
1645-1655	<b>Special Address</b>	Mr Rajesh Kumar Sinha Additional Secretary Ministry of Ports, Shipping and Waterways, Government of India

1655-1710 hrs

**Keynote Address**

Mr Sandeep Poundrik  
Secretary  
Ministry of Steel  
Government of India

1710-1715 hrs

**Vote of Thanks**

Ms Soma Banerjee  
Deputy Director General  
CII

## PLENARY SESSION 4

**1715 – 1815 hrs**

Track I-Enabling Energy Access: Empowering Sustainable Solutions

### **From Policy to Practice: Accelerating Solar Energy Deployment**

India's solar energy sector is rapidly evolving, driven by ambitious government schemes such as PM KUSUM and PM Surya Ghar Muft Bijli Yojana, which aim to expand access to clean energy through solar pumps and grid-connected solar power systems. This session will provide an overview of these schemes, highlighting their objectives, key components, and the progress made in their implementation across various states. The discussion will focus on achievements, challenges, and the timelines set for meeting targets, while also exploring opportunities for private sector investment in manufacturing, installation, and maintenance of solar solutions. Additionally, the potential for public-private partnerships (PPPs) to enhance scalability and accelerate deployment will be examined. The broader solar market landscape in India, including emerging trends, growth potential, and technological advancements, will also be explored, offering a comprehensive view of the future of solar energy in the country.

#### ***Discussion Pointers:***

- *Overview of schemes (PM KUSUM and PM Surya Ghar Muft Bijli Yojana), highlighting their objectives, and key components such as solar pumps and grid-connected solar power systems.*
- *The current status of implementation across various states, focusing on achievements, challenges, and timelines for reaching set targets.*
- *A critical aspect will be the opportunities for private sector investment in the solar sector, including roles in manufacturing, installation, and maintenance of solar solutions, as well as the potential for public-private partnerships (PPPs) to enhance scalability.*
- *The broader solar market landscape in India will also be examined, including trends, growth potential, and technological advancements.*

1715-1720 hrs **Welcome  
Remarks**

Mr Parag Sharma  
Vice Chairman, CII National Committee on  
Renewable Energy and Founder & Chief  
Executive Officer, O2 Power

1720-1725 hrs	<b>Address</b>	Mr Rohit Dhar COO EMMVEE Photovoltaic
1725-1730 hrs	<b>Address</b>	Mr Pradeep Kheruka Executive Chairman Borosil Renewables
1730-1745 hrs	<b>Special Address</b>	Mr Sudeep Jain Additional Secretary Ministry of New and Renewable Energy
1745-1805 hrs	<b>Keynote Address</b>	Shri Shripad Yesso Naik Hon'ble Minister of State Ministry of New and Renewable Energy
1805-1810 hrs	<b>Vote of Thanks</b>	Mr Parag Sharma Vice Chairman, CII National Committee on Renewable Energy and Founder & Chief Executive Officer, O2 Power

**End of Day 1**

**Day 2: 18 December 2024**

**Special Ministerial Session  
with  
Shri H. D. Kumaraswamy, Hon'ble Minister of Heavy Industries and Steel**

**1000 – 1045 hrs**

Track IV- Empowering Manufacturing: Driving Innovation and Global Competitiveness

**Challenges to Cost Competitiveness in Domestic Manufacturing**

1000-1005 hrs	<b>Welcome Remarks and Setting of Context</b>	Mr B Thiagarajan Chairman, IGBC and Managing Director Blue Star Limited
1005-1010 hrs	<b>Industry Perspective</b>	Dr Hitesh Doshi Chairman Waaree Energies Limited
1010-1015 hrs	<b>Industry Perspective</b>	Mr Sujoy Gosh Vice-President and Country MD-India First Solar
1015-1020 hrs	<b>Address</b>	Mr Dinesh Jagdale Renewable Energy Expert
1020-1035 hrs	<b>Keynote Address</b>	Shri H. D. Kumaraswamy Hon'ble Minister of Heavy Industries and Steel
1035-1040 hrs	<b>Vote of Thanks</b>	Mr Rajiv Ranjan Mishra Co-Chairman, CII National Committee on Power and Managing Director Apraava Energy



**PANEL DISCUSSION 4**

**1045 – 1145 hrs**

Track II- Enhancing Energy Supply: Innovations and Strategies

**Innovations and Strategies for Utility-Scale Renewable Energy Integration**

As the world transitions to cleaner energy, integrating large-scale renewable power into existing grids presents both challenges and opportunities. Innovations and strategies for incorporating renewable energy at the utility scale, while maintaining grid stability and reliability, are crucial. The role of firm and dispatchable renewable energy sources in balancing supply and demand, particularly in low-inertia systems, is essential for grid stability. Advanced forecasting technologies, including AI-driven solutions, are improving the ability to align renewable generation with real-time energy needs. Recent market reforms, such as Market-Based Economic Dispatch (MBED) and long-term Power Purchase Agreements (PPAs), are playing a key role in supporting the transition to renewable energy. Strengthening grid connectivity through expanded and modernized transmission infrastructure, such as the Inter-State Transmission System (ISTS), is critical for effective integration. Land use challenges are being addressed with innovative solutions and successful case studies from around the world, highlighting effective strategies for large-scale renewable energy integration.

***Discussion Pointers:***

- *Firm and dispatchable RE power generation; Maintaining grid stability in low inertia systems, focusing on advanced forecasting technologies, including AI, for balancing load and RE generation.*
- *Recent power market reforms, such as Market-Based Economic Dispatch (MBED) and long-term power purchase agreements (PPAs), essential for facilitating RE integration.*
- *Enhancing grid connectivity, reviewing national plans for improving transmission infrastructure through the Inter-State Transmission System (ISTS), land use challenges.*
- *Highlighting innovative solutions and successful case studies that demonstrate effective utility-scale integration of renewable energy.*

1045-1050 hrs	<b>Opening Remarks and Moderation by</b>	Mr. Vivek Srivastava CEO- India Business Suzlon Group
1050-1055 hrs	<b>Address</b>	Dr. D. Sai Baba Joint Secretary Ministry of Power
1055-1100 hrs	<b>Special Address</b>	Mr Manu Srivastava Additional Chief Secretary- Energy Department, Madhya Pradesh

1100-1140 hrs **Panellists**

Mr R P Gupta  
Chairman & Managing Director  
Solar Energy Corporation of India  
Limited

Mr RK Tyagi  
Chairman  
PGCIL

Mr Pratik Agarwal  
Managing Director  
Sterlite Power Transmission Ltd

Mr Sandeep Kashyap  
CEO- Purvah Green Power Pvt Ltd  
RP Sanjiv Goenka Group

1140-1145 hrs **Q/A**

**TEA BREAK: 1145-1200 hrs**

## PANEL DISCUSSION 5

**1200 – 1300 hrs**

Track I-Enabling Energy Access: Empowering Sustainable Solutions

### **Financing Energy Transition**

India's energy transition demands substantial capital investment. The growing adoption of Green Bonds and Infrastructure Investment Trusts (InVITs) demonstrates a shift towards innovative financial instruments. Blended finance models are increasingly employed to mitigate risks. Despite these advancements, high upfront costs for renewable projects and limited private sector involvement in emerging technologies pose significant hurdles. Promoting innovative financial structures to attract a diverse range of investors and leveraging public funds to de-risk private investments can stimulate long-term growth and participation in the energy transition. Financing the energy transition is key to unlocking a sustainable, low carbon future. This session will dive into innovative financial tools that are helping drive that change, such as Green Bonds, Infrastructure Investment Trusts (InVITs), and blended finance models. The session will look at how these financial solutions can accelerate progress towards cleaner energy, greater energy access, and a more sustainable global economy.

#### ***Discussion Pointers:***

- *Green Bonds*
- *InVITs*
- *Blended Finance and other innovative structures*

1200-1255 hrs	<b>Opening Remarks and Moderation by</b>	Mr Somesh Kumar Partner & Leader (Power & Utilities) GPS EY India
	<b>Panellists</b>	Mr Parag Sharma Vice Chairman, CII National Committee on Renewable Energy and Founder & Chief Executive Officer, O2 Power  Mr Abhishek Poddar India Country Head & Executive Director Macquarie Infrastructure & Real Assets  Mr Siddharth Gauba Executive Director Eversource  Mr Suman Nag Head – International Contracts & BD Envision India

Mr SK Dey  
General Manager  
IREDA

1255-1300 hrs    **Q/A**

## PANEL DISCUSSION 6

**1300 – 1345 hrs**

Track III-Energy Transition:  
Seizing Opportunities for Growth and Investment

### **Hydropower Generation for Advancing Energy Transition**

Hydropower generation plays a crucial role in India's energy mix, offering significant potential for both base-load and flexible power supply. An overview of the current status of hydropower in India highlights its contributions to the overall energy landscape and explores the outlook for large-scale hydropower projects, including key initiatives, expected capacities, and the environmental and social challenges involved. The importance of pumped hydro storage in balancing supply and demand, especially as renewable energy sources become more integrated into the grid, will be a major focus, with case studies showcasing successful projects. Opportunities for private sector investment in both hydropower generation and pumped storage facilities will also be explored, alongside potential collaborations between the public and private sectors to accelerate growth and innovation in the hydropower sector.

#### ***Discussion Pointers:***

- *Overview of the current status of hydro power generation in India and its role in the overall energy mix*
- *The outlook for large-scale hydro power projects*
- *key initiatives in the pipeline, expected capacities, and associated environmental and social challenges.*
- *The importance of pumped hydro storage for balancing supply*
- *Opportunities for private sector investment in hydro power generation and pumped storage facilities along with potential collaborations between public and private sectors.*

1300-1340 hrs

**Opening Remarks and  
Moderation by**

Ms Nayantara Nag  
Partner, Projects Practice  
Trilegal

**Panellists**

Mr Mohammad Afzal  
Joint Secretary-Hydro  
Ministry of Power

Mr MG Gokhale  
Member-Hydro  
CEA

Mr Vijay Agrawal  
Managing Director  
Equirus Capital

Mr Sanjay Kumar Singh  
Director Projects  
NHPC

Mr Sushil Sharma  
Chairman & Managing  
Director  
SJVN

1340-1345 hrs

**Vote of Thanks**

Ms Soma Banerjee  
Deputy Director General  
CII

**1345 hrs Onwards  
Lunch**

**Event Concludes**

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Please scan the QR code to download the ***“Energy Transition Investment Monitor”*** report.