

3rd INDIAENERGY TRANSITION

January 29-30, 2025 | FICCI Federation House | New Delhi

BATTERY ENERGY

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CONFERENCE OVERVIEW

he India Energy Transition Summit (IETS) organized by FICCI is one of its flagship events in the domain of Renewable Energy and Power with an aim to bring together a diverse array of stakeholders, including policymakers, government officials, financial institutions, project developers, technology innovators, manufacturers, and more. With discussions on solar and wind energy, international collaborations, green hydrogen ecosystem, energy storage solutions, financing, capacity augmentation and Industrial decarbonization, IETS stands as a platform for fostering critical dialogues and forging partnerships that will shape India's energy transition journey.







BACKGROUND

At COP26, India made a commitment to fight climate change with its "Panchamrit" plan. At this critical juncture, the India Energy Transition Summit (IETS) by FICCI emerges as the premier platform for navigating the complexities of India's energy transition. This annual event brings together policymakers, industry leaders, investors, and innovators to collaborate, share knowledge, and develop solutions to accelerate the clean energy shift.



EXPECTED PARTICIPANTS

- Ministry of New and Renewable Energy (MNRE), Government of India
- Ministry of Steel, Government of India
- Ministry of Road, Transport and Highways, Government of India
- Ministry of Coal, Government of India
- Ministry of Power, Government of India
- Ministry of Petroleum and Natural Gas, Government of India

- State Governments
- Central Electricity Authority
- NITI Aayog
- Central and State
 Regulatory Commissions
- PSUs like SECI, IREDA, etc
- Lenders and Financial
 Institutions
- Academic Experts
- Industry Experts
- Industry Stakeholders



WHY ATTEND



Overcome Challenges, Drive Innovation



- Slash clean energy costs: Discover strategies to make clean energy affordable through policy, scale, and innovative financing.
- Navigate the maze: Learn how to overcome land acquisition hurdles and navigate streamlined regulations.
- Unlock the grid: Explore solutions for integrating renewables and discover advancements in energy storage.

Shape the Future of Energy: The Three Pillars



- Deep dive into India's decarbonization strategy: Grid, power supplier and consumer - all three pillars covered.
- Grid revolution: Witness India's grid transform with renewables, green hydrogen, and advanced storage.
- Industry & Transport Go Green: Explore pathways for industrial efficiency, electrification, fuel switching, and the future of electric and hydrogen vehicles.

Bonus: Network with Energy Titans

experts.

Connect with CEOs, policymakers, and investors shaping the future of clean energy. Gain insights, exchange ideas, and forge partnerships that can propel you forward. Don't miss this chance to be at the forefront of India's energy transition!

PANEL DISCUSSION	ROUNDTABLE
International Collaboration for Energy Transition in India	Augmenting Transmission & Distribution Infrastructure to meet Future Requirements
Building Blocks for Energy Transition - Forging Path towards a Net-Zero Future	2 Financing India's Energy Transition
Role of Conventional Power in Energy Security	3 Distributed Renewable Energy Ecosystem in India: Opportunities, Challenges & Way Forward
Opportunities for Investment in RE Rich States of India - Initiatives taken by the State Governments	4 Role of Civil Nuclear Energy in Energy Transition
Industrial Decarbonization – Opportunities, Challenges and Way Forward	5 Interaction with Commercial & Industrial Segment to drive Energy Transition
Developing a Sustainable Green Hydrogen Ecosystem	6 Carbon Reductions in Oil & Gas Sector: Opportunities, Challenges & Way Forward



GLIMPSES

India Energy Transition Summit 2023

The 2nd Edition of the India Energy Transition Summit (IETS) 2023 hosted by FICCI at its Federation House in New Delhi on September 25-26, 2023, was a two-day conference that brought together a diverse array of stakeholders, including policymakers, government officials, financial institutions, project developers, technology innovators, and more. With a special emphasis on the development of a Green Hydrogen ecosystem, alongside discussions on solar and wind energy, international collaborations, energy storage solutions, financing, and capacity augmentation, IETS 2023 stood as a platform for fostering critical dialogues and forging partnerships that will shape India's energy transition journey. The Summit was graced by Shri RK Singh, Hon'ble Minister for Power and Renewable Energy as Chief Guest. The key dignitaries at the Inaugural Session included Shri Bhupinder Singh Bhalla, Secretary, Ministry of New and Renewable Energy, Ambassador of the Federal Republic of Germany to India and Ambassador of the Kingdom of Belgium to India.



KEY HIGHLIGHTS OF IETS'23

India's Stance on Energy Transition:

- India is committed to achieving net-zero emissions by 2070, as outlined in PM Modi's Panchamrit Statement at COP26.
- The country is a leader in adding renewable energy capacity and is on track to achieve its target of 500 GW by 2030.
- India emphasizes both economic growth and sustainable practices in its energy transition plans.

Focus Areas for Collaboration:

- International Collaboration: Focus on knowledge sharing, technology transfer, and low-cost financing for clean energy solutions like green hydrogen, CCUS, and offshore wind.
- Building a Green Hydrogen Ecosystem: Collaboration is needed to bring down the cost of green hydrogen production and storage, including electrolyser manufacturing and infrastructure development.
- **Developing Domestic Manufacturing:** India aims to create a domestic supply chain for solar, wind, battery storage, and electrolyser components to reduce import dependence and achieve cost reduction.

Key Challenges and Solutions:

- **High Cost of Clean Energy Solutions:** Efforts are required to bring down the cost of renewable energy and green hydrogen through policy measures, economies of scale, and innovative financing models.
- Land Acquisition and Regulatory Issues: Streamlining land acquisition processes and simplifying regulations are crucial for faster development of renewable energy projects.
- Grid Integration and Energy Storage: Integrating massive amounts of renewable energy requires robust grid infrastructure and long-duration energy storage solutions.

The Three Pillars of Energy Transition:

- Grid Decarbonization: Achieved through renewable energy sources, green hydrogen production, and energy storage systems.
- Industrial Decarbonization: Achieved through energy efficiency measures, electrification of processes, fuel switching to cleaner alternatives, and new technologies like green hydrogen and CCUS.
- **Transport Transition:** Achieved through electric vehicles, hydrogen fuel cell vehicles, and other zero-emission technologies.

The Role of Different Stakeholders:

- **Government:** Provide policy support, facilitate international collaboration, and create an enabling environment for investments.
- **Industry:** Adopt clean energy technologies, invest in R&D for new solutions, and collaborate with the government and other stakeholders.
- **Financial Institutions:** Provide lowcost financing for clean energy projects and facilitate innovative financing models.
- State Governments: Play a crucial role in achieving national targets by implementing effective policies and attracting investments in renewable energy.



MEDIA COVERAGE

New Delhi, Tuesday, 26 Sep 2023 (Page No-10)

500 GW renewable energy

FICCI India E FINANCIAL EXPRE ew Delhi, Tuesday, 26 Sep 2023 (Page-15) New Delhi, Tuesday, 26 Sep 2023 (Page

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New Delhi, Tuesday, 26 Sep 2023 (Page-10)

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New Delhi, Tuesday, 26 Sep 2023 (Page-10) 'India headed to meet 500 GW India to achieve target of 500 GW renewab greenenergy target ahead of 2030' et ichariber to Kriggsouth ext year," said Secretar Iballa. He alladed to the aroual biolog maje nayle The Minister underscore Moreover, he also transfirmer adverted tioned India's achieven Vension Vension Vension Markowski Corola adverted generatories decade earlier than comm also real transfirmer derit of INCCI and Markowski UROSON require investments upon anditional UROSON require investments upon anditional UROSON references also adv. The programmer also for the Next Statements and anditional UROSON require investments upon anditional UROSON references and the transmission Verified physicarchildo therefores, rescausion in al interactive adverse Verified physicarchildo the process

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Vijayawada, Tuesday, 26 Sep 2023 (Page-10) India to achieve 500 GW renewables नई दिल्ली, (विप्र)। केंद्रोय बिजली तथा नवीन target before 2030 deadline: RK Singh

PNS NEW DELHI

कि भारत 2030 को तय समय सीमा से पहले 3 500 गोगावॉट नवीकरणीय ऊर्जा का लक्ष्य हासिल Union Power and New & Renewable Energy Minister R K लेगा। फिक्की के इंडिया एनर्जी ट्रान्सिशन स Singh on Monday said India will achieve its 500 GW renewable 2023 को संबोधित करते हुए सिंह ने कहा कोविड-19 वैश्विक महामारी की वजह से भारत energy target before the 2030 वर्ष न गवाएं होते, तो देश ने अभी तक बिजली उत deadline. कोविड-19 वैश्विक महामारी को वजह से भारत

क्षमता को 50 प्रतिशत आरई गैर-जीवाश्म Energy Transition Summit 2023, अाधारित बना लिया होता। मंत्री ने कहा कि भार Singh also said had India not lost 424 गीगावॉट बिजली उत्पादन क्षमता है जिसमें ये two years due to COVID-19, the गोगावॉट गैर-जोवाश्म ईंधन आधारित है। अन गोगावॉट पर काम जारी है। देश ने 2030 तक capacity from RE non-fossil गोगावॉट पर काम जारा ह। दश न 2050 राज स्वयंत्र गिर्फ, by now. India has 424 GW गोगावॉट नवीकरणीय ऊर्जा क्षमता का लक्ष्य रह of power generation capacity रणाथ उल्ला कर्णता हो 500 गी which includes around 180 GW



500 GW of renewable energy capacity by 2030. We will achieve 500 GW of

renewable energy (RE) well before 2030," he said.

Singh also said India's energy transition programme is at the top in the world. The RE capac-



He also said 50 GW of R projects would go for biddin annually from this year onward The minister noted that despi constituting 17 per cent of t world's population, India co tributes only 4 per cent to t global carbon dioxide load. T inister further emphasis that India's per capita emissa are approximately 2.2 tonnes, nificantly lower than the glo rane of 6.3 tonnes, acces



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The minister noted that despite constituting 17 per cent of the world's population, India constributes only 4 per cent to the global carbon dioxide load. The minister further emphasi before 2030," he said. Singh also said India's



He affirmed that India is the only major global econ-ony whose energy transition

est in the world. New and Renewable Energy Secretary Bhapinder Singh Bhalla said India added 15 GW of renewable energy in the last fiscal year (2022-23) which send the increment In 35



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GW in 2023-24 and further to





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