



3rd INDIA ENERGY TRANSITION SUMMIT

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



CONFERENCE OVERVIEW

The 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.

OBJECTIVES



Facilitating a discussion forum for Indian policymakers and energy stakeholders to deliberate on India's energy transition

Exchange global insights and lessons from nations in their energy transition journey

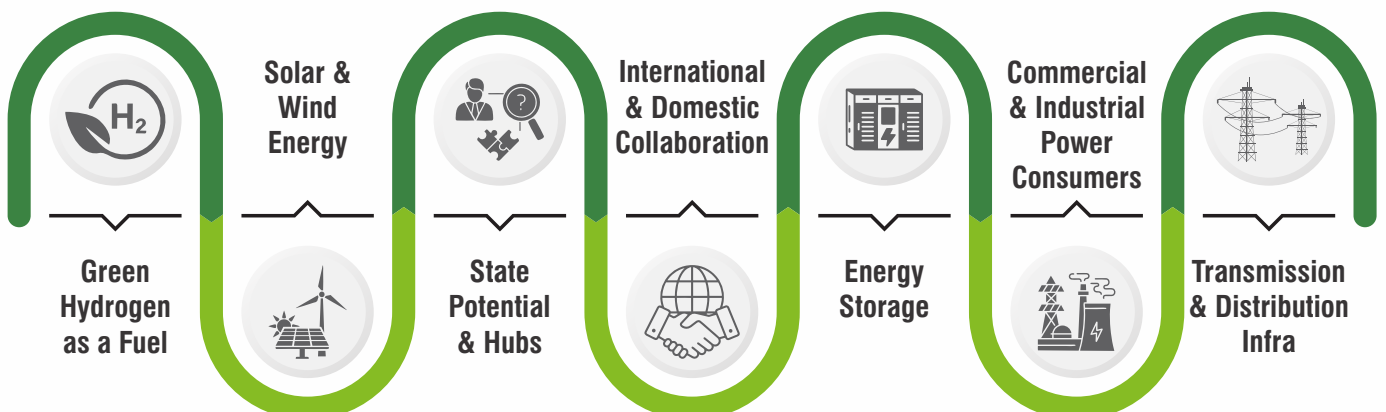
Emphasizing the importance of India's energy transition on the global energy landscape

Discuss technology and market facilitators essential for development of energy transition

Exploring and supporting opportunities for various business models and innovation of the future aligned technologies relevant in India's energy transition

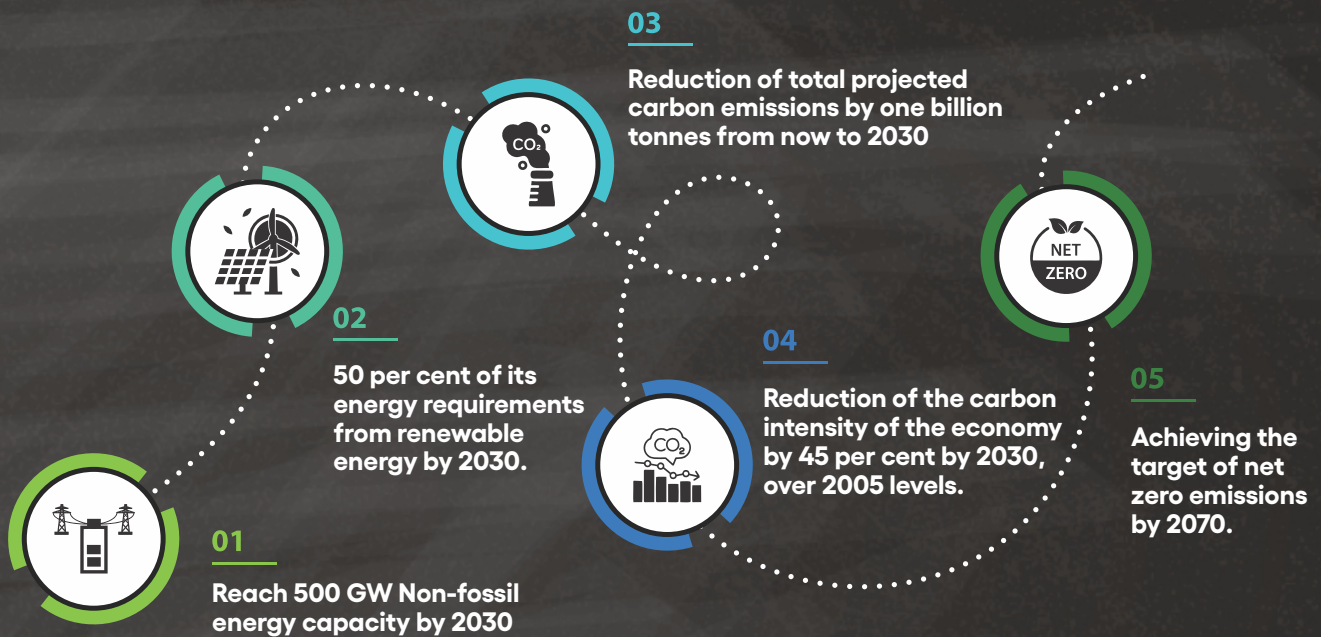
Delivering a smooth and flexible energy transformation by focusing on the areas of technology, innovative financing, decarbonization and capacity building

FOCUS AREAS



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

Witness India Rise: The Clean Energy Powerhouse



- Be part of history: Witness India's ambitious net-zero goals and its race to 500 GW of renewable energy.
- Network with the best: Forge partnerships with industry leaders, government officials, and financial institutions driving the clean energy revolution.
- Shape the future: Explore cutting-edge technologies like green hydrogen and CCUS with international experts.

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

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

International Collaboration for Energy Transition in India

01

Building Blocks for Energy Transition - Forging Path towards a Net-Zero Future

02

Role of Conventional Power in Energy Security

03

Opportunities for Investment in RE Rich States of India - Initiatives taken by the State Governments

04

Industrial Decarbonization – Opportunities, Challenges and Way Forward

05

Developing a Sustainable Green Hydrogen Ecosystem

06

ROUNDTABLE

Augmenting Transmission & Distribution Infrastructure to meet Future Requirements

Financing India's Energy Transition

Distributed Renewable Energy Ecosystem in India: Opportunities, Challenges & Way Forward

Role of Civil Nuclear Energy in Energy Transition

Interaction with Commercial & Industrial Segment to drive Energy Transition

Carbon Reductions in Oil & Gas Sector: Opportunities, Challenges & Way Forward



2nd INDIA ENERGY TRANSITION SUMMIT 2023

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 low-cost 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

विराट वैभव

New Delhi, Tuesday, 26 Sep 2023 (Page-15)

2030 से पहले 500 गीगावॉट नवीकरणीय ऊर्जा लक्ष्य होगा हासिल



केंद्रीय बिजली तथा नवीन एवं नवीकरणीय ऊर्जा मंत्री अरू के सिंह ने सोमवार को कहा कि भारत 2030 को तय समय सीमा से पहले अपने 500 गीगावॉट नवीकरणीय ऊर्जा का लक्ष्य हासिल कर लेगा।

FINANCIAL EXPRESS

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

TO ACHIEVE 500 GW RENEWABLES GOAL BEFORE 2030: SINGH

UNION POWER AND new & renewable energy minister RK Singh on Monday said India will achieve its 500 GW renewable energy target before the 2030 deadline.

The MORNING STANDARD

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

500 GW renewable energy target by 2030: Minister

POWER minister RK Singh on Monday said India will achieve 500 GW renewable energy target before the 2030 deadline.

millenniumpost

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

India to achieve target of 500 GW renewable energy before 2030 deadline, says Power Minister

NEW DELHI: Union Power and New & Renewable Energy Minister R.K. Singh on Monday said India will achieve its 500 GW renewable energy target before the 2030 deadline.

The Statesman

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

'India headed to meet 500 GW green energy target ahead of 2030'

NEW DELHI: Union Power and New & Renewable Energy Minister R.K. Singh on Monday said India will achieve its 500 GW renewable energy target before the 2030 deadline.

Business Standard

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

India to reach 500 GW renewable energy target by 2030: Minister

NEW DELHI: Union Power and New & Renewable Energy Minister R.K. Singh on Monday said India will achieve its 500 GW renewable energy target before the 2030 deadline.

अमर उजाला

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

नवीकरणीय ऊर्जा लक्ष्य समय पूर्व पा लेंगे : सिंह

नई दिल्ली। केंद्रीय बिजली मंत्री अरू के सिंह ने सोमवार को कहा, भारत 2030 की तय समय सीमा से पहले 500 गीगावॉट नवीकरणीय ऊर्जा का लक्ष्य हासिल कर लेगा।

वीर अर्जुन

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

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नई दिल्ली, (विप्र)। केंद्रीय बिजली तथा नवीन नवीकरणीय ऊर्जा मंत्री अरू के सिंह ने सोमवार को कहा कि भारत 2030 की तय समय सीमा से पहले 500 गीगावॉट नवीकरणीय ऊर्जा का लक्ष्य हासिल कर लेगा।

the pioneer

Vijayawada, Tuesday, 26 Sep 2023 (Page-10)

India to achieve 500 GW renewables target before 2030 deadline: RK Singh

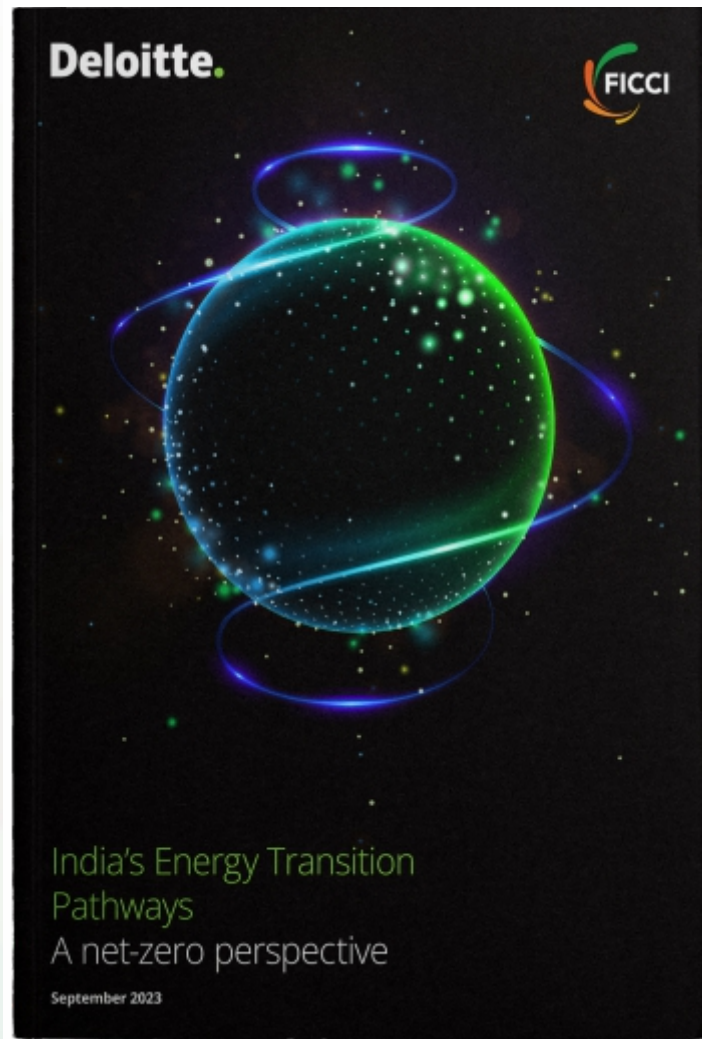
NEW DELHI: Union Power and New & Renewable Energy Minister R.K. Singh on Monday said India will achieve its 500 GW renewable energy target before the 2030 deadline.



renewable energy capacity in the country is the highest in the world. New and renewable energy secretary Bhupinder Singh Bhalla said the country added 15 GW of renewable energy in the last financial year which would be increased to 25 GW in 2023-24 and further to 40 GW in 2024-25. The RE capacity addition is the highest in the world.



Secretary Bhupinder Singh Bhalla said India added 15 GW of renewable energy in the last financial year (2022-23) which would be increased to 25 GW in 2023-24 and further to 40 GW in 2024-25. He also said 50 GW of RE projects would go for bidding annually from this year onward. The minister noted that despite constituting 17 per cent of the world's population, India contributes only 4 per cent to the global carbon dioxide load. The minister further emphasized that India's per capita emissions are approximately 2.2 tonnes, significantly lower than the global average of 6.3 tonnes, accounting for an increase to 25 GW in 2023-24 and further to 40 GW in 2024-25.



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