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Activities

6th International Energy Conference and Exhibition 2025

The **6th International Energy Conference and Exhibition (IECE)** held at Taj Palace, New Delhi, 22-23 September 2025, showcased India's and South Asia's collective push towards a sustainable, secure and export-oriented clean energy future, anchored in regional cooperation, local manufacturing, policy momentum and technological innovation.

The event solidified India's position as a global clean energy leader and provided a platform for actionable business engagements and strategic dialogue. It brought together key government officials, industry leaders, and international stakeholders, reinforcing India's leadership in the global renewable energy landscape and marking a decade of the Make in India initiative.

Core themes at the two-day event included **regional cooperation** with Cross-border grid projects and partnerships with neighbouring countries of Sri Lanka and Maldives. Focus on solar modules, wind turbines, electrolyzers, and batteries for export-led growth for **domestic manufacturing**. Importance of stable, transparent frameworks to attract large-scale private and global investments in India and **sustainability and innovation** through integration of storage, clean mobility and R&D to ensure a resilient energy ecosystem.

Shri Pralhad Joshi, Minister of Consumer Affairs, Food and Public Distribution; and Minister of New and Renewable Energy highlighted that the country recently crossed the significant milestone of 250 GW of non-fossil fuel power capacity well in advance and is now targeting a further increase to 500 GW by the year 2030. About half of 20 Lakh households under PM Surya Ghar scheme are already getting zero electricity bills. Exhorting the private sector to up their investment in R&D in renewable energy sector, the minister said the country is exploring 'Swadeshi' manufacturing of polysilicon, ingots and wafers.

Shri Jitin Prasada, Union MoS for Commerce & IT stressed that renewable energy must build resilient global supply chains and support India's manufacturing exports through speed, standards, and self-reliance.

Shri Shripad Yesso Naik, MoS for Power and New & Renewable Energy, reaffirmed India's determination to achieve Viksit Bharat by 2047. He highlighted that the energy sector is central to this journey, with India already crossing the 250 GW mark of non-fossil fuel electricity generation capacity, including 52 GW of wind and 123.13 GW of solar power. While acknowledging challenges such as land acquisition, regulatory hurdles, and access to

The event featured a series of curated sessions under the theme Mission 2047: Energy Pathway to Viksit Bharat, addressing key dimensions of India's energy future. Discussions spanned a wide spectrum, including integrating new technologies in nuclear power, policy innovation and collaborative financing for low-carbon transition and emerging technologies for cleaner mobility.

Sessions also focused on transforming energy storage for grid resilience, strengthening critical mineral supply chains and decarbonization through energy transition. Emphasis was placed on skills development for universal energy access and a just transition, expanding power markets beyond national boundaries, and global partnerships for energy security amid shifting geopolitics. The evolving role of thermal power in a renewable-rich future, enhancing solar access for rural economies, and navigating the discom dilemma around power procurement through PPAs or trading were also explored.



L-R: Shri Manoj Yadav, Chief Minister, Madhya Pradesh (digital); **Dr. Praveer Sinha**, Chairman, CII National Committee on Power and MD, Tata Power; **Dr Muaviyath Mohamed**, Minister of State, Environment and Tourism, Government of Maldives; **Shri Pralhad Joshi**, Minister of Consumer Affairs, Food and Public Distribution & New and Renewable Energy; **Mr Sanjiv Puri**, Immediate Past President, CII and Chairman, ITC and **Mr Girish Tanti**, Chairman, CII National Committee on Renewable Energy and CII RE Manufacturing Council and Vice Chairman, Suzlon at the Opening Plenary Session of IECE, 2025

Additionally, the event spotlighted the importance of local manufacturing for global energy systems, modelling carbon credit frameworks to promote net-

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zero, and the deployment of AI and digital solutions for next-generation energy reforms.

Special State Sessions at IECE

The conference highlighted significant **state-led** progress in renewable energy, showcasing how regional efforts are driving India's clean energy transition. **Shri S.S. Sivasankar**, Minister for Transport and Electricity, Government of Tamil Nadu, noted that Tamil Nadu has achieved over **20 GW** of installed renewable capacity and is strengthening regional integration through a **cross-border power transmission MoU with Sri Lanka**. **Uttar Pradesh**, has transitioned from an energy-deficient state to a renewable energy hub, enabled by strong institutional frameworks and strategic partnerships noted **Shri Arvind Kumar Sharma**, Minister of Energy & Urban Development, Government of Uttar Pradesh. **Madhya Pradesh**, according to **Shri Rakesh Shukla**, Minister for New and Renewable Energy, Government of Madhya Pradesh, continues to lead with **pioneering projects** such as the **REWA solar park** and **innovative battery storage tenders in Morena**.



L-R: Mr Rahul Kumar, MD - NBPDC & BSPTCL; **Deepak Amitabh** Advisor Business Development, Adani Group; **Mr Jitendra Srivastava**, CMD REC Ltd; **Mr Ghanshyam Prasad**, Chairperson, CEA; **Mr Kundan Kumar**, Investment Commissioner & MD Bihar Industrial Area Development Authority; **Mr Manoj Kumar Singh**, Secretary, Power, Govt. of Bihar & CMD, BSPHCL; **Mr Deepak Kumar** Nayak VP& Head (RE) L&T; **Anil Rawal**, MD & CEO, Intellismart at the **Bihar State Session**



L-R: Mr Sanil Nambodripad, Managing Director, ONGC Tripura Power Company Ltd.; **Mr Gaurav Gupta**, Additional Chief Secretary, Government of Karnataka; **Mr RPV Prasad**, Managing Director, Envision Energy India and **Mr Atul Agarwal**, Director Projects & Operations, Hexa Climate at the **Karnataka State Session**

Karnataka, noted, Additional Chief Secretary, **Mr Gaurav Gupta**, has emerged as a national leader with **36 GW of installed capacity**, of which **67% is renewable**. Karnataka is actively investing in **3.5 GW of battery storage**, **2 GW of pumped storage** and **clean mobility infrastructure**, including electric vehicle initiatives and solar-powered charging hubs.

Special Country Sessions at IECE

The **Germany country session** brought to the fore RE technology manufacturing capabilities and business opportunities (specifically in solar, wind and storage, skilling and capacity development) that are a priority for both India and Germany.



Shri Shripad Naik, Minister of State for Power and New & Renewable Energy addressing Germany Country Session at the CII International Energy Conference and Exhibition 2025

The **Australia country session** showcased the progress made under Renewable Energy Partnership (REP) and explored opportunities to expand the scope of partnership between the two nations, going forward.



L-R: Mr. Sanjiva de Silva, Counsellor (Energy, Resources and Climate Change), Australian High Commission, Moderator; **Ms Ravneet Pahwa**, Vice President, (Global Engagement) & CEO (South Asia), Deakin University; **Mr. Mukund Narayanamurti**, Minister-Commercial and Head of Austrade, South Asia; **Ms. Carly Partridge**, Minister-Counsellor, Australian High Commission; **Dr. S. Sundar Manoharan**, Director General, Pandit Deendayal Energy University, Gujarat and **Dr. Vibha Dhawan**, DG, The Energy & Resources Institute (TERI)

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CEO Roundtable with Union Minister of Power at IECE

The Roundtable Discussion took place on **22 September 2025** on the sidelines of **IECE 2025**. The session provided an exclusive opportunity to eminent industry leaders to engage in a meaningful dialogue on the evolving energy landscape, policy frameworks, and avenues for collaboration in advancing sustainable growth.



Shri Manohar Lal, Union Minister of Power and Minister of Housing and Urban Affairs, at the CEO roundtable at IECE, 2025

The power sector has seen transformative reforms. This has signalled a serious commitment to making India's power sector more transparent, resilient and future-ready. The Ministry of Power has played an important role.

The increase in integration of renewables, introduction of electricity derivatives and launch of digital platforms is gradually aligning India's power sector with global practices while addressing domestic challenges of reliability, efficiency and sustainability. The roundtable discussion has been an opportunity to discuss the way forward for continued engagement with the Ministry as industry and government work collectively towards a cleaner, smarter and more reliable power sector.

B2B Meetings at IECE 2025

One of the key highlights of IECE was the **exclusive B2B Meeting Platform**, which enabled participants to network with a wide spectrum of industry stakeholders including CEOs/CXOs, startups, entrepreneurs, diplomats, and government representatives. A total of **255 B2B meetings** were conducted at Taj Palace, New Delhi.

The **B2B meetings** played a crucial role in fostering personal connections that are essential for building and sustaining long-term business partnerships. By engaging directly with the people behind corporate brands, companies can collaborate more effectively and operate as unified teams. These meetings also offered a dynamic platform to explore new products, services, and growth opportunities. Interacting with industry peers encourages innovation, broadens market reach, and strengthens existing alliances by enabling open dialogue around shared goals and challenges. Additionally, B2B interactions helped businesses stay ahead of industry trends and market shifts, positioning them to capitalize on emerging opportunities. To streamline these meetings, CII launched an online portal: <https://iece.b2bmeeting.in/>



B2B interactions at IECE 2025

B2B attendees gave their feedback ranking B2B services at the Summit. The overall feedback from most delegates rated their experience as very good across most parameters, with appreciation for the B2B Portal and the quality of meetings. Delegates found the meetings fruitful and beneficial, and many expressed keen interests to participate in similar B2B engagements in the future.



CII Central Installation at IECE 2025, displaying activities and services in energy and sustainability

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Hon. Eng. Kumara Jayakody, Minister of Energy, Government of Sri Lanka Roundtable Interaction with Indian CXOs

Hon. Kumara Jayakody, Minister of Power and Energy of Sri Lanka, opened the session on September 24 by reaffirming Sri Lanka's commitment to strengthening its energy partnership with India. He expressed Sri Lanka's openness to increased collaboration with India, noting that the country is prioritising Indian partnerships over other international engagements in the renewable energy space.

The Minister highlighted that several Memorandums of Understanding have already been signed with India, including agreements with NTPC and leading solar energy agencies. He emphasised that India is well-positioned to play a key role in integrating renewable energy projects in Sri Lanka, given its technological expertise and experience in both transmission and generation.



L-R: Mr Dhanuskha Kottahachchi, PS to Minister; (Eng.) Kumara Jayakody, Minister of Energy, Government of Sri Lanka and HE Lakshendra Dissanayake, High Commission of Sri Lanka at the roundtable with CXOs at CII Central Office, New Delhi

CII Poll on Energy Transition

The Confederation of Indian Industry is conducting an in-depth opinion poll on India's energy transition. The poll link was shared during IECE 2025, held on September 22-23.

The poll aims to capture diverse perspectives on the evolving energy landscape and gather views from key stakeholders across the sector.

The survey focusses on critical aspects of India's clean energy transition, including overall sentiment toward current policies and implementation, key areas requiring attention, factors influencing foreign investment in the energy sector, and global best practices that India can learn from.

The questions are designed to elicit practical, forward-looking insights from professionals, policymakers, and industry leaders actively engaged in shaping India's energy future.

You can access the poll through the link below and are encouraged to share your valuable views on this important subject.

<https://forms.mycii.in/form/d11a6446-c7bc-49ca-8d28-8ada8b8f0a19>

The results and detailed analysis of the poll will be shared shortly by CII.

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Exhibition at IECE 2025



Shri Pralhad Joshi, Minister of Consumer Affairs, Food and Public Distribution & New and Renewable Energy of India at the IECE Exhibition



Eng. Kumara Jayakody, Minister of Energy, Government of Sri Lanka and **Mr S.S. Sivasankar**, Minister for Transport and Electricity Government of Tamil Nadu at the Energy Dome Exhibition Stall at IECE 2025



Shri Shripad Yesso Naik, Minister of State for Power and New & Renewable Energy Government of India at the IECE exhibition



Mr S.S. Sivasankar, Minister for Transport and Electricity Government of Tamil Nadu at the exhibition stall of Gautam Solar



Eng. Kumara Jayakody, Minister of Energy, Government of Sri Lanka and Mr S.S. Sivasankar, Minister for Transport and Electricity Government of Tamil Nadu at the Energy Dome Exhibition Stall at IECE 2025



Suzlon Exhibition Stall at IECE 2025



Avaada Exhibition Stall at IECE 2025



Waaree Exhibition Stall at IECE 2025

Participation in the World Atomic Week

World Atomic Week scheduled for 25-29 September 2025 in Moscow was organized to commemorate the milestone of 80th anniversary of the Russian nuclear industry. The business program at the event was held on September 25-26, 2025, under the slogan “From New Technological Paradigm to New Philosophy”. The Confederation of Indian Industry (CII) was invited to participate at the two-day business program.

The event was organized by Rosatom, State Atomic Energy Corporation. Rosatom has openly signaled its willingness to partner on **Bharat SMRs** with India, potentially extending a cooperation model established through Kudankulam Nuclear Power Plant, Tirunelveli District, Tamil Nadu.

At present Rosatom is constructing **SMR RITM-200 N** in Yakutia region. Amid ongoing discussions between the Nuclear Power Corporation of India Limited (NPCIL) and major private sector entities regarding the operation of 220 MW small modular reactors (SMRs), leveraging India’s collaboration with Rosatom will be valuable.



Model of Small Modular Reactor on display at the World Atomic Week

CII’s participation in the **World Atomic Week** was guided by three strategic objectives. First, it aimed to foster **strategic collaboration** by exploring partnerships with global nuclear energy stakeholders on the international stage. Second, it focused on discussing **technology exchange**, seeking to gain insights into the latest advancements in atomic energy to drive **innovation and knowledge transfer**. Third, it provided an opportunity to understand international policy discussions around nuclear energy and gauge Indian nuclear industries’ requirements to be able to meet its national target of 100 GW by 2047.

CII was also invited to attend the closed-door session on nuclear **financing** to understand the **financing and policy landscape around nuclear sector globally, and India’s requirements for financing in nuclear power**. The session had officials from New Development Bank, Gazprombank, VTB Bank,

International Atomic Energy Agency and prominent Indian industry representatives. The session was valuable to understand how India can leverage its partnerships to position itself as a **key player** in the evolving global nuclear energy landscape.



L-R: **Andrei Timonov**, Rosatom (moderator); **Yemat Berdigulov**, General Director, Kazakhstan Nuclear Power Plants; **Azim Akhmedkhadzhayev**, Director of the Atomic Energy Agency of Uzbekistan, **General Rafael Mariano Grossi**, IAEA Director; **General Alexey Likhachev**, Director Rosatom State Corporation; **Sergey Tsivilev**, Russian Energy Minister; **Denis Moroz**, Belarusian Energy Minister; **Mahmoud Esmat**, Egyptian Minister of Electricity and Renewable Energy and **Sama Bilbao y León**, Director General of the World Nuclear Association (WNA) at the **plenary session of World Atomic Week**



L-R: **Dr. Ankita Mookherjee**, Deputy Director, Energy Department, CII and **Dr. Alexander Volgin**, Director of Projects (South Asia Region), Rosatom in a meeting on the sidelines of World Atomic Week 2025

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Sectoral News

INDIA

GST reforms to strengthen clean-energy transition: Environment minister

Business Standard | Sep 4, 2025

Union Environment Minister Bhupender Yadav described the government's overhaul of the Goods and Services Tax (GST) as a "historic Diwali gift" that will strengthen India's clean-energy transition. It would help advance clean and green power adoption, improve waste management, lower emissions and protect ecosystems, while maintaining fiscal balance.

A steady adoption of solar, wind and waste-to-energy projects is critical for meeting India's Net Zero 2070 pledge and Nationally Determined Contributions (NDCs) under the Paris Agreement, he added.

Read more at:

https://www.business-standard.com/economy/news/gst-reforms-to-strengthen-clean-energy-transition-environment-minister-125090401670_1.html

Rare earth-free motors redraw battle lines in India's EV scooter market

Economic Times | Sep 16, 2025

The battle for dominance in India's electric scooter market is moving from flashy launches to the nuts and bolts of engineering. With China curbing exports of heavy rare earth (HRE) magnets, a critical component in EV drivetrains, automakers have begun commercial production of HRE-free motor alternatives.

Read more at:

https://economictimes.indiatimes.com/industry/renewables/rare-earth-free-motors-redraw-battle-lines-in-indias-ev-scooter-market/articleshow/123925267.cms?utm_source=contentofinterest&utm_medium=text&utm_campaign=cppst

Tamil Nadu unveils green energy open access rules to boost renewable power for industries

ET Energy World | Sep 28, 2025

The Tamil Nadu Electricity Regulatory Commission (TNERC) has chalked out green energy open access regulations to increase the renewable power quotient in the grid and make more green power available to smaller industries. This will help the commission meet its renewable energy purchase obligations.

Read more at:

https://energy.economictimes.indiatimes.com/news/renewable/tamil-nadu-green-energy-open-access-rules-boost-renewable-power-for-industries/124191449?utm_source=most_read&utm_medium=sectionListing

NTPC to appoint consultant to identify uranium mines overseas **Economic Times | Sep 28, 2025**

State-owned NTPC will appoint a consultant to identify uranium mines overseas after signing a formal agreement with Uranium Corporation of India Ltd (UCIL). The move will be part of the company's plan to secure raw material for its future nuclear projects to be set up on individual basis.

Read more at: <https://economictimes.indiatimes.com/industry/india-goods/svs/metals-mining/ntpc-to-appoint-consultant-to-identify-uranium-mines-overseas/articleshow/124191130.cms>

Natural Gas Discovery in Andaman Basin opens 'opportunities' for India

ET Online | Sep 30, 2025

Discovery of natural gas in Andaman Basin validates India's long-held belief that the Andaman basin is rich in hydrocarbon. The find will support exploration in coordination with global deepwater experts like Petrobras, BP India, Shell and Exxon Mobil. The exploration is a part of call for National Deep Water Exploration Mission.

Read more at:

https://energy.economictimes.indiatimes.com/news/oil-and-gas/natural-gas-discovery-in-andaman-basin-a-game-changer-for-indiasenergysector/124231900?utm_source=topnews&utm_medium=sectionList

India seeks to hasten hydropower approvals to reach green goals

ET Energy World | Oct 1, 2025

India will outsource geological investigations to speed up the approval of hydroelectric projects, including those meant for energy storage a key part of the country's energy transition pathway. The Central Electricity Authority, which approves the construction of hydroelectric projects, including those meant for energy storage, a key part of the country's energy transition pathway.

Read more at:

https://energy.economictimes.indiatimes.com/news/power/india-seeks-to-hasten-hydropower-approvals-to-reach-green-goals/124257920?utm_source=category_listing&utm_medium=sectionListing

Sectoral News

WORLD

Uranium demand set to surge 28% by 2030 as nuclear power gains momentum says WNA

Reuters | Sep 5, 2025

Uranium demand for nuclear reactors is expected to jump by almost 30% in the next five years as more governments rely on nuclear power to meet zero-carbon targets, the World Nuclear Association (WNA) observed.

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Read more at:

<https://www.reuters.com/business/energy/uranium-demand-set-surge-28-by-2030-nuclear-power-gains-momentum-wna-says-2025-09-05/>

Development banks' climate finance hit record \$137 billion in 2024

Reuters | Sep 9, 2025

Global climate finance by multilateral development banks (MDBs) increased by 10% last year, reaching a record \$137 billion, with the majority directed to low- and middle-income economies. MDBs including the Asian Development Bank (ADB) announced the year-on-year increase in a published report.

Read more at:

<https://www.reuters.com/sustainability/cop/development-banks-climate-finance-hit-record-137-billion-2024-2025-09-09/>

China aims to nearly double battery storage by 2027 in \$ 35 billion plan

Reuters | Sep 9, 2025

China is looking to almost double its so-called new energy storage capacity to 180 gigawatts (GW) by 2027, according to an industry plan announced by authorities

Read more at:

<https://www.reuters.com/business/energy/energy-storage/>

Green energy pact has curbed fossil fuel funding

Reuters | Sep 30, 2025

Public funding for international fossil fuel deals fell by up to 78% last year across a coalition of 35 countries, though members of the group, including Germany and the United States. Countries agreed at UN climate talks in 2021 to cease the practice by the end of 2022 and prioritise investment in clean energy instead. The agreement, known as the Clean Energy Transition Partnership, covers export finance, development finance and official development assistance.

Read more at:

<https://www.reuters.com/sustainability/cop/green-energy-pact-has-curbed-fossil-fuel-funding-2025-09-29/>

European Power Gets Biggest Shakeup in Years With 15-Minute Trades

Bloomberg | Sept 30, 2025

Europe is making the biggest change to how power is traded in years, in a move that brings the market closer to the needs of a system increasingly reliant on renewable energy. The new contracts will allow traders to bet on a shorter time span that more accurately reflects these swift changes between supply and demand.

That rapid rise of renewable energy over the past few decades has led to a boom in short-term power trading. It's a corner of the industry where specialist traders as well as hedge funds with strong capabilities to parse

millions of data points about the weather and demand have become very successful.

Read more at:

<https://www.bloomberg.com/news/articles/2025-09-30/europe-power-gets-biggest-shakeup-in-years-with-15-minute-trades>

US energy department cancels \$ 7.6 billion in funding meant for projects

Reuters | Oct 1, 2025

The U.S. Department of Energy said it planned to cancel \$7.56 billion in financing for hundreds of energy projects that it said would not provide sufficient returns to taxpayers. A statement issued late on Wednesday, the DOE said it would cancel 321 financial awards supporting 223 projects. It did not list the projects but said the grants had been issued by six agency offices responsible for clean energy, efficiency, grid deployment, advanced research, manufacturing and fossil fuels.

Read more at:

<https://www.msn.com/en-us/news/politics/us-energy-department-cancels-76-billion-in-funding-meant-for-projects/ar-AA1NI2HX?ocid=BingNewsSerp>

Australia offers to sell shares in critical minerals reserve to allies

Reuters | Oct 1, 2025

Australia is willing to sell shares in its new strategic reserve of critical minerals to allies including Britain. As Western governments scramble to end their reliance on China for rare earths and minor metals.

Read more at:

<https://www.reuters.com/world/china/australia-offers-sell-shares-critical-minerals-reserve-allies-sources-say-2025-09-30/>

LNG demand for ships set to at least double by 2030 globally

Reuters | Oct 2, 2025

Demand for liquefied natural gas as a marine fuel will at least double by 2030 as abundant supply and rising emissions regulations spur orders for ships that can run on it, industry executives said.

Read more at:

<https://www.reuters.com/business/energy/lng-demand-ships-set-least-double-by-2030-globally-2025-10-02/>

Gas Turbine shortage is Forcing Companies Back to coal

Bloomberg | Oct 3, 2025

Booming electricity demand driven by AI is causing a shortage of gas turbines worldwide. Rising power demand from data centers for artificial intelligence has led to a shortage of the gas turbines needed to generate electricity. This shortage might not seem the most obvious climate story, but it's having impacts across the entire energy sector.

Read more at:

<https://www.bloomberg.com/news/articles/2025-10-03/gas-turbine-shortage-is-forcing-companies-back-to-coal>

CII Report Watch

Eigenvectors of Net Zero Energy Transition: Pathways to Viksit Bharat 2047



L-R: Dr. Praveer Sinha, Chairman, CII National Committee on Power and MD, Tata Power; Dr Muaviyath Mohamed, Minister of State, Environment and Tourism, Government of Maldives; Shri Pralhad Joshi, Minister of Consumer Affairs, Food and Public Distribution & New and Renewable Energy; Mr Sanjiv Puri, Immediate Past President, CII and Chairman, ITC; Mr Girish Tanti, Chairman, CII National Committee on Renewable Energy and CII RE Manufacturing Council and Vice Chairman, Suzlon and Somesh Kumar, Partner EY releasing the report, *Eigenvectors of Net Zero Energy Transition: Pathways to Viksit Bharat 2047* at IECE 2025

The report, *Eigenvectors of Net Zero Energy Transition: Pathways to Viksit Bharat 2047*, frames India's net-zero ambitions as a multidimensional challenge balancing energy security, affordability, competitiveness, and sustainability. With a projected US\$30 trillion GDP and 1.5 billion population by 2047, the analysis underscores both the scale of the opportunity and the risks that must be managed.

India has already crossed a major milestone in its energy transition, achieving 50% non-fossil power capacity in 2025 five years ahead of its 2030 target.

The findings of report show that India's primary energy supply must triple by 2047, while non-fossil capacity must expand forty-fold to ensure two-thirds of demand is met through clean sources. With energy consumption expected to surge alongside economic growth, the report warns that energy affordability and supply security will be as critical as decarbonization.

Industry Paper on India's Transmission Sector

Shri Shripad Yesso Naik, Hon'ble Minister of State for Power and New & Renewable Energy along with Mr Arun Sharma, Chief Executive Officer,

Sterlite Power (Resonia), launched the *Industry Paper on India's Transmission Sector*.

The Industry paper addresses key issues such as grid expansion, Right of Way (RoW), land acquisition, and regulatory bottlenecks, while highlighting the critical role of transmission infrastructure in integrating renewable energy into the grid network. It calls for accelerating investments, streamlining approvals, and enabling greater private sector participation to build a resilient, efficient, and future-ready transmission network that supports India's goal of achieving 500 GW non-fossil fuel capacity by 2030.



L-R: Mr Neeraj Menon, Partner, Trilegal; Mr Sajay KV, CEO, Zelestra India; Shri Shripad Yesso Naik, Minister of State for Power and New & Renewable Energy Government of India; Mr Paul Smith, Senior Vice President Global Sales, Energy Dome; Mr Kashif Khan, Vice President, & Head Business Expansion, Hindustan Power Projects and Mr Arun Sharma, CEO, Sterlite Power (Resonia) releasing CII Industry Paper on India's Transmission at IECE 2025

High cost of capital, regulatory bottlenecks, and land acquisition delays hinder clean energy adoption. Policy interventions should aim at de-risking investments through sovereign guarantees, payment security mechanisms, and stable regulatory frameworks.

Manufacturing for India and the World

The Report titled, *Manufacturing for India and the World* was released at the 6th edition of International Energy Conference and Exhibition 2025.

The report was formally unveiled by Shri Jitin Prasada, Hon'ble Minister of State, Ministry of Commerce & Industry and Ministry of Electronics & Information Technology, Government of India during the conference.

The report provides an in-depth analysis of India's manufacturing ecosystem across critical clean energy sectors, including solar, wind, green hydrogen electrolyzers, battery energy storage systems, transmission equipment, and emerging technologies. It highlights the strategic role of India in advancing the global clean energy transition, while ensuring sustainable growth and energy security at home.

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According to the study, multiple factors are driving India's green manufacturing momentum. These include international regulatory requirements, evolving customer expectations, competitive market forces, and the increased flow of climate-focused capital. Indian industries are aligning with global sustainability frameworks, positioning themselves to remain competitive in a rapidly transforming global economy. Investor confidence in environmentally responsible business practices is growing, further strengthening India's push towards clean energy manufacturing.



L-R: Mr. Vaibhav Singh, Executive Director, PwC; **Mr Sameer Gupta**, Co Chairman, CII RE Manufacturing Council and CMD, Jakson Group; **Shri Jitin Prasada**, Minister of State Ministry of Commerce & Industry and Ministry of Electronics & Information Technology, Government of India; **Mr B. Thiagarajan**, Chairman, CII Indian Green Building Council (IGBC), Managing Director, Bluestar and **Dr Amit Paithankar**, Whole Time Director & CEO, Waaree releasing the report *Manufacturing for India and the World* at IECE 2025

The report offers detailed insights into **value chain dynamics, financial and economic viability, demand potential, and export opportunities**. It emphasizes that India's balanced approach of prioritizing domestic manufacturing while engaging global markets, which will enable it to meet energy and economic ambitions in the face of shifting geopolitical landscapes.

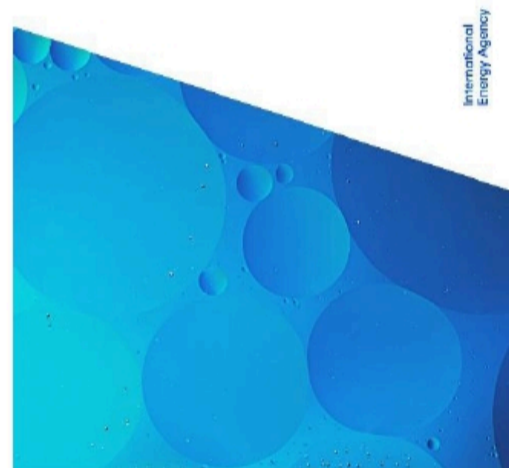
Global Report Watch

IEA Global Hydrogen Review 2025

iea



Global Hydrogen Review 2025



Despite recent adjustments to industry strategies, low-emissions hydrogen production is still expected to grow significantly by 2030. Projects that are already operational or have reached final investment decision (FID) are projected to deliver 4.2 million tonnes per annum (Mtpa) of low-emissions hydrogen by 2030 a fivefold increase compared to 2024 levels. Although this falls short of the ambitious targets set by governments and industry earlier in the decade, it still marks a notable rise from less than 1% of total hydrogen output today to about 4% in 2030. This projected growth mirrors the rapid scale-up seen in other clean energy technologies in recent years, such as solar PV. Additionally, a new comprehensive review of announced projects indicates that a further 6 Mt of low-emissions hydrogen capacity could become operational by 2030 provided that effective policies are put in place to stimulate demand and support offtake agreements.

The report recommends:

- ❖ Maintain support schemes for low-emissions hydrogen production and accelerate demand creation for low-emissions hydrogen and hydrogen-based fuels through regulations and support schemes in key sectors.
- ❖ Expedite deployment of hydrogen infrastructure by removing barriers and leveraging early opportunities and enhance public support to reduce technology risk and facilitate project financing.
- ❖ Support emerging and developing economies in moving up the value chain for low-emissions hydrogen-based products.

Read more at:

<https://iea.blob.core.windows.net/assets/12d92ecc-e960-40f3-aff5-b2de6690ab6b/GlobalHydrogenReview2025.pdf>

Policy Advocacy

CII Recommendations on Unlocking the Potential of Wastelands in Setting Up Compressed Biogas (CBG) Plants in Uttar Pradesh

With one of the largest shares of wastelands in India, Uttar Pradesh holds significant potential to scale up CBG capacity by integrating biofuel production with energy crop cultivation on such land.

CII recommended setting up integrated CBG plants, which will not only produce clean energy but also generate rural employment, create additional lease income for the state, improve soil health through Fermented Organic Manure (FOM), and reduce dependence on chemical fertilizers and imported fossil fuels.

CII Recommendations on Setting Up Compressed Biogas (CBG) Projects in Maharashtra – Unlocking the Potential of Wastelands for Green Growth and Rural Prosperity

Maharashtra, with its progressive industrial ecosystem and availability of underutilized wastelands, presents a significant opportunity for scaling up the bioenergy sector, particularly through the establishment of integrated Compressed Biogas (CBG) plants supported by energy crop cultivation. CII recommends:

- **Single Window Clearance for CBG Projects:** A dedicated, time-bound single-window mechanism (on the lines of MIDC) is requested to facilitate timely approvals from departments such as Town Planning, Revenue, Factory Inspectorate, Fire, MPCB, and Panchayat bodies.
- **Exemption from Royalty on Soil Excavation:** Request to waive royalty for soil excavation on project land to reduce initial CAPEX and speed up construction timelines.
- **Incentives worth Rs 85 crores** are proposed for setting up CBG plants (for land availability, power subsidy, infrastructure support, etc.) This is expected to provide a net benefit of Rs 199 crores.

Upcoming Events



The 13th Bio- Energy Summit themed, ‘**Fuelling India’s Green Revolution: Forging Global Partnerships**’ scheduled on 14 October 2025, Lalit Hotel New Delhi. It aims to convene policymakers, industries, researchers, and innovators to explore scalable, sustainable solutions for achieving net-zero goals.

It will provide a unique platform for stakeholders to engage in transformative dialogues. At the 13th Bioenergy Summit the spotlight will be on:

- ❖ **Empowering farmers & building resilient rural economies**
- ❖ **Scaling state- level bioeconomy & feedstock availability**
- ❖ **Transforming Mobility for a Decarbonized Future**
- ❖ **Charting India’s roadmap for Sustainable Aviation Fuel (SAF)**
- ❖ **Making CBG commercially viable**
- ❖ **Expanding global trade & technology partnership**

For further details visit: <https://www.ciire.in/about.php>

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Mapping India's Energy Transition

CII "Dashboard on Energy Transition Investment Monitor" (ETIM) an analytics platform that tracks over 900 renewable energy projects across India, was launched by Shri R.K. Singh, Union Minister for New & Renewable Energy and Power, on 15 September 2023 at the 4th International Conference & Exhibition on Clean Energy in New Delhi. The platform consolidates publicly available data, validated by companies, to offer a centralized view of India's renewable energy project pipeline. It spans both energy services and technology supply chains. Regular updates ensure it remains current and relevant for policymakers, investors, and industry players.

India is well-positioned to become a global leader in renewable energy innovation and manufacturing. Strengthening domestic supply chains can reduce import dependence and boost resilience. Moreover, local manufacturing and R&D are key to making green technologies more affordable and accessible. Data platforms such as the Energy Transition Monitor support informed dialogue with transparent, independent data. This initiative is a key step toward achieving India's climate and energy security goals, while reinforcing its role in the global clean energy landscape.

To read more please visit:

<https://etim-india.com/>

Portfolio of Services

The Energy Department at the Confederation of Indian Industry (CII) plays a pivotal role in engaging with both government and industry stakeholders across diverse segments of the energy ecosystem, including power, renewables, hydrocarbons, biofuels, green hydrogen, and sustainable mobility. Through a structured network of committees, sub-committees, and task forces, the department identifies sector-specific challenges and drives focused interventions to address them effectively.

CII's Energy Department fosters strong national and international collaboration, serving as a platform for dialogue, knowledge exchange, and strategic partnerships. It regularly develops reports, theme papers, and policy representations that contribute to thought leadership and informed decision-making in the sector.

To keep pace with the rapidly evolving energy landscape, the department organizes high-impact conferences, summits, and seminars, facilitating strategic discussions and on-ground stakeholder engagement. In alignment with the Hon'ble Prime Minister's vision of *Viksit Bharat*, the department also supports international cooperation by coordinating with parent ministries and accompanying official delegations.

Through its initiatives, the Energy Department at CII acts as a catalyst in advancing India's energy agenda and strengthening the Indian industry's role in the global economy.

To read more about our work please visit:

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