Organisers:

RenewableWatch

REGLOBAL

Analysis and perspective for CXOs

19th Edition

SOLAR POWER In India

Roadmap for 2047

May 14-15, 2026 | Le Méridien, New Delhi

Key themes:

- **Self-Reliance through Make in India**
- **Net Zero for Consumers**
- **Reliable 24x7 Solar Power Supply**
- **Future-Ready Automated and AI-Integrated Systems**

Co-sponsors so far:

Supporting Partners:

SUMMARY

- India's solar power sector continues to expand strongly, with installed capacity now over 140 GW on the back of robust policy support and market confidence. As the country works towards multi-GW capacity additions in line with the Viksit Bharat plans of 2047, solar energy will be pivotal to India's energy security, economic competitiveness and decarbonisation goals.
- The solar market has evolved beyond standalone solar utility-scale projects to encompass hybrids, firm and despatchable renewable energy, and storage-linked solutions. At the same time, commercial and industrial (C&I) consumers are increasingly integrating renewables into their net-zero pathways through captive solar projects, open access and market-based mechanisms.
- On the manufacturing front, India is strengthening its domestic solar ecosystem through capacity expansion, technology upgrades and deeper supply chain integration. The focus is on building globally competitive, vertically integrated manufacturing capabilities that enhance self-reliance and reduce import dependence.
- Government-led initiatives in the residential and agricultural segments have accelerated decentralised solar adoption. The PM Surya Ghar: Muft Bijli Yojana is expanding residential consumer participation in solar energy, while the PM-KUSUM scheme is promoting sustainable irrigation practices.
- Digitalisation and artificial intelligence (AI)-driven tools are transforming forecasting, asset management and grid integration, enabling smarter and more resilient solar deployment. However, sustaining growth will require coordinated action to address transmission readiness, land acquisition complexities, financing innovation and policy certainty.
- **Against this backdrop, the mission of this two-day conference is to provide a platform to policymakers and regulators, tendering agencies, public and private renewable energy developers, manufacturers, technology providers, contractors, operations and maintenance (O&M) service providers, financiers and consultants to discuss the recent developments, challenges, opportunities and the way forward for the country's solar power sector.**

TARGET AUDIENCE

The conference is targeted at top and middle-level managers from:

- Project developers
- EPC providers
- Policymakers
- Regulatory agencies
- Independent power producers
- Rooftop solar developers
- Conventional power developers
- Equipment manufacturers
- PV manufacturers
- System integrators
- Power exchanges
- Technology providers
- Consultancy organisations
- Captive power consumers
- Power utilities (discoms, transcos, gencos)
- Energy storage experts
- R&D institutions
- Law firms
- Investors
- Financial institutions, etc.

ORGANISERS

Founded in 2010, Renewable Watch covers the entire spectrum of renewable energy – wind, solar, bioenergy, small hydro, storage, green hydrogen and other emerging technologies – including both grid-interactive and off-grid power solutions. It aims to provide accurate information tracking investments and projects; showcase innovations and technologies; and offer a platform for debate and discussion on policy, regulation and financing.

Renewable Watch also publishes Renewable Watch News (a weekly newsletter) and a series of reports on the energy sector, including Renewable Energy in India, Compressed Biogas Market in India, and Floating Solar Projects in India. Other conferences organised by RW include Solar Power in India, Wind Power in India, Green Hydrogen in India, Pumped Hydro Storage in India, Compressed Biogas in India, Hydro Power in India and Hydro Power in Asia.

TENTATIVE AGENDA

TRACK I – SELF-RELIANCE THROUGH MAKE IN INDIA

Market Overview and Future Prospects

- What is the current status of domestic solar manufacturing? Is there overcapacity or undercapacity vis-à-vis the demand?
- What are the policy interventions in this space? What are the key challenges faced by stakeholders?
- Can India emerge as a competitive solar export hub over the next few years? What is the roadmap till 2047?

MNRE's Plans and Initiatives

- What are the Ministry of New and Renewable Energy's (MNRE) near-term priorities to strengthen the domestic solar manufacturing of modules as well as ancillary equipment?
- How will policy ensure long-term demand visibility for Indian manufacturers?
- Are additional safeguards or incentives being considered to deepen localisation? What is being done to encourage the export market?

Industry Perspective: Forum of CXOs

- What are the biggest risks facing the solar industry today?
- Are margins and tariffs sustainable under current pricing and policy conditions?
- What strategic shifts are companies making to stay competitive globally?

Addressing Logistics Challenges

- How are logistics costs impacting the competitiveness of domestic manufacturers?
- What infrastructure gaps need urgent attention to support scale? What has been the experience in terms of the availability of quality logistics support?
- Can supply chain integration reduce import dependence on key inputs?

Geopolitics and Solar Pricing Trends

- How are global trade tensions influencing solar module pricing? Is India insulated from international supply disruptions?
- What have been the recent equipment and pricing trends? What is the outlook in the short-term and medium-term?
- How should Indian manufacturers hedge against global price volatility?

TRACK II – RELIABLE 24X7 SOLAR POWER SUPPLY

SECI's Tendering Trajectory

- How is the Solar Energy Corporation of India (SECI) structuring bids to make round-the-clock (RTC) and firm and despatchable renewable energy projects bankable? What have been the pricing trends in these auctions?
- What is the tender trajectory? Have developers' responses to RTC tenders met expectations?
- What changes in design or risk allocation are being considered going forward?

Grid Integration of Solar Power: Utility Perspective

- What operational challenges arise in the forecasting and scheduling of intermittent renewable supply? Are utilities prepared to handle high penetration of renewable power?
- What is the status of grid connectivity and transmission infrastructure readiness for integrating large volumes of solar?
- What regulatory measures are required to streamline solar power integration into the grid?

Case Study: Implementing RTC projects

- What are the key project parameters? Who is the power offtaker? What is the key application?
- How was storage optimised to ensure RTC reliability?
- What are the key execution challenges in RTC projects? What lessons can be replicated for future RTC developments?

TRACK III – NET ZERO FOR CONSUMERS

Power Markets and VPPA Framework

- What have been the key trends in green power procurement through exchanges in terms of pricing and volumes?
- How can virtual PPAs unlock large-scale corporate participation in renewables? What are recent developments in this space? What regulatory clarity is still needed for a robust VPPA market in India?
- How has been the uptake of merchant power plants? How can exchanges further promote decarbonisation of the C&I industry?

C&I Market: Industry Perspective

- What is driving corporate demand for renewable procurement today? How are industries balancing cost savings with net-zero commitments?
- Are open access rules working smoothly across states? Which states have attractive green energy open access policies?
- Which new business models are being deployed by the industry?

Decentralised Applications: Residential Rooftop and Solar Pumps

- What is accelerating the adoption of rooftop solar among households?
- How viable is solarisation of agriculture from a utility and farmer standpoint?
- What financing and service models can scale decentralised solar faster?

TRACK IV – FUTURE-READY AUTOMATED AND AI-INTEGRATED SYSTEMS

Uptake of Robotics and Drones

- How widely are robotics and drones being deployed in large solar parks today?
- What measurable gains have been seen in efficiency, safety and O&M costs?
- What barriers, technical or regulatory, are slowing wider adoption?

AI for Forecasting and Scheduling

- How accurate are AI-based generation forecasts compared to conventional methods?
- Can AI meaningfully reduce deviation penalties and balancing costs?
- What data gaps must be addressed to improve forecasting reliability?

Predictive Maintenance of Solar Plants

- How effective are AI-driven analytics in detecting early equipment failures?
- What is the impact of predictive maintenance on plant availability and returns?
- How can smaller developers adopt advanced monitoring tools cost-effectively?

CONFIRMED SPEAKERS SO FAR:

Akash Tripathi, IAS, Managing Director, SECI

Neha Aggarwal, Managing Director, **Arunachal Pradesh Power Corporation Private Limited**

Sushmita Ajwani, Vice President - Business Excellence (BH Office), **Aditya Birla Renewables**

Rohit Bajaj, Joint Managing Director, **Indian Energy Exchange**

Bijuraj, Deputy Chief Engineer**, KSEB**

Abhineet Choudhary, National Sales Head (FS-Elliott), **FS Compressors India**

Arunava Choudhary, Associate VP (Projects & Strategy), **Adani Green Energy**

Shilpy Dewan, Chief Business Officer**, Serentica Renewables**

Sujoy Ghosh, Vice President & Country Managing Director (India), **First Solar**

Kailash Kumar Gupta, Chief Operating Officer, **CTUIL**

Ankit Jain, Co-Group Head & VP, **ICRA**

Jeevan Kumar Jethani, Scientist F, **MNRE**

Deepti Mathur, Superintending Engineer, **JVVNL**

Naveen Nagpal, Vice President, **BRPL**

Mahesh Paranjape, Chief of Engineering and Projects, **Tata Power Renewable Energy Limited**

Vinay Rustagi, Director, **Premier Energies**

Ashutosh Singh, Senior Vice President - Head O&M and Project Director, **ACME Group**

DELEGATE FEE

	Fee			
Delegates	**INR**	**GST@18%**	**Total INR**	**Total USD**
One delegate	25,000	4,500	29,500	370
Two delegates	42,500	7,650	50,150	630
Three delegates	60,000	10,800	70,800	890
Four delegates	77,500	13,950	91,450	1,150

- Registration will be confirmed on receipt of the payment.
- To register online, please log on to http://indiainfrastructure.com/conf.html

For delegate registrations and sponsorship opportunities, contact:

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