13th Edition:

SOLAR POWER In India

A VIRTUAL CONFERENCE

Sector Outlook and the Way Forward

July 2-3, 2020
Solar Power in India

Mission

- The global economy has been severely hit by Covid-19. Global GDP projections for 2020 have plunged from 3 per cent to 1.8 per cent. Like all other sectors, the solar industry too has been adversely impacted, at least in the short term. It has witnessed an overall slump in energy demand, stoppage of construction work, supply chain disruption, invoking of force majeure, etc. It has meant both a loss of jobs for some and severe health hazards for others.

- The government has been taking several measures to address the challenges brought upon by the crisis. Project deadlines have been extended. Must-run status for renewable energy plants has been reinforced. Domestic manufacturing is being promoted to secure the future supply chain. More tenders continue to be issued by various nodal agencies. New project types (for instance, 24x7 power supply from renewables) have surfaced, increasing discoms’ confidence in solar vis-à-vis conventional power.

- In sum, the sector today looks much more promising than before. Energy sector experts have increasingly started believing that the coronavirus pandemic may accelerate the shift in investments from fossil fuel to renewable energy, a theory now supported by global organisations including the International Energy Agency and think tanks like the World Resources Institute.

- There are several lessons that the solar power sector can learn once the crisis has passed and the industry has had a chance to analyse its response. The crisis has made it pertinent for stakeholders across the solar value chain to reshape their strategy for business continuity, communicate with relevant stakeholders, maximise the use of government support policies and build resilience in preparation for the new normal.

- The mission of this conference is to provide a platform to discuss and address the impact of Covid-19 on India’s solar market and the potential changes in the sector due to the pandemic; understand the policymakers’ approach to promote solar power use during the ongoing crisis; and propose remedial measures and steps to drive a solar-led energy transformation. The conference will be a mix of expert presentations and top-level panel discussions. Our aim is to provide delegates with a better understanding of where the sector and its sub-segments are headed, both in terms of new challenges and opportunities.

Target Audience

The conference is targeted at:

- 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

The conference is being organised by India Infrastructure Publishing, the leading provider of information on the infrastructure sectors through magazines, newsletters, reports and conferences. The company publishes Power Line, Renewable Watch, tele.net, Indian Infrastructure and Smart Utilities magazines. It also publishes Power News (a weekly newsletter), and a series of reports on the energy sector, including Solar Power in India, Solar Power in Africa, Floating and Canal-based Solar PV and Wind-Solar Hybrid Market in India, and Rooftop Solar in India. It also publishes the Solar Power Directory and Yearbook and the Wind Power Directory and Yearbook.

To register: Call +91-9871976468, email: harshita.wadehra@indiainfrastructure.com or visit us at www.indiainfrastructure.com
AGENDA/STRUCTURE

SECTOR TRENDS: NEW DEVELOPMENTS AND REVISED OUTLOOK
This session will feature a presentation by a leading consultant
- How has solar fared in the energy mix? What are the drivers, risks and hurdles?
- How has Covid-19 outbreak changed the investor perception in favour of solar power?
- What is the revised policy and regulatory outlook? What is the way forward?

MNRE’s PERSPECTIVE: ENABLING PROJECT DEVELOPMENT AND ENSURING SOLAR SUPPLY CHAIN
This session will feature remarks by a senior representative from the MNRE
- What have been MNRE’s key initiatives to scale up the development of solar projects?
- What has been the impact of recent policy moves? What are the key challenges?
- What are the upcoming policy initiatives in this space?

SECI’s TENDERING STRATEGY AND DIRECTION
This session will feature remarks by a senior representative from SECI
- What are SECI’s plans for meeting timelines under its solar tendering trajectory?
- Is SECI planning to launch more 2x4x7 tenders? What are the key challenges?
- How has the capacity addition outlook changed up till 2022? What is the outlook?

EMERGING REGULATORY FRAMEWORK: PROPOSED ELECTRICITY ACT AMENDMENT, 2020
This session will feature remarks/presentation by a leading regulatory expert
- What are the key amendments pertaining to renewable energy development?
- What are the potential hurdles in implementing these amendments?
- What are the regulatory gaps? How can these be addressed?

INDUSTRY CONCLAVE: KEY LESSONS FROM COVID-19 CRISIS
This session will feature a panel discussion among senior representatives from the solar IPP and equipment manufacturing community
- What is the developer outlook for the solar sector post Covid-19? What are the key concerns and investment plans?
- What is the manufacturers’ perspective on building the domestic supply chain? What are the key hurdles?
- What are the industry’s expectations from the government and other stakeholders?

CTO DIALOGUE: FOCUS ON QUALITY, RELIABILITY, TECHNOLOGY, INNOVATION IN PV
This session will feature a panel discussion among the CTOs of solar project developers and module manufacturers
- What have been the key practices to ensure project and equipment quality?
- What are the trending PV technologies? What is the potential of bifacial modules in the Indian solar market?
- What innovations can be expected to improve solar efficiency and output in the future?

STATE FOCUS
This session will feature a panel discussion as well as presentations by senior representatives from state renewable energy departments and nodal agencies
- What have been the key policy and regulatory initiatives across states? What is the development status?
- What are the emerging opportunities for developers and manufacturers?
- What are the main challenges and how can these be addressed?

STATE OF DISCOM FINANCES: IMPACT ON PPA CREDIBILITY AND POWER OFFTAKE
This session will feature a presentation by a leading consultant
- What is the status of discom financing with respect to profitability, AT&C losses, outstandings, etc.?
- Which states have been the most impacted? What are the projections for the next fiscal?
- What is the impact of their finances on PPA credibility and power offtake?

INVESTOR AND LENDER PERSPECTIVE
This session will feature a panel discussion among senior representatives of leading funds, banks and other financial institutions with exposure/interest in the solar sector
- What is the lender and investor stance on the solar sector, especially post Covid-19?
- What are the biggest issues (land and grid constraints, PPA sanctity, off-taker risks, etc.)?
- What is the future outlook?

INTEGRATION OF SOLAR: GRID EXPANSION AND ROLE OF ENERGY STORAGE
This session will feature a panel discussion among a key SECI representative, senior managers from leading renewable energy IPPs, a transmission sector expert and an energy storage consultant
- What has been the impact of transmission constraints on solar project development?
- What steps should be taken to address the issues and expedite the GEC project?
- What are the best load balancing strategies (storage, ancillary services, etc.)?

BoS FOR SOLAR PLANTS: FOCUS ON INVERTERS
The session will feature a presentation by a leading inverter technology expert
- What are the cost and technology trends for solar inverters?
- What are the emerging efficiency improvement practices?
- What are the operational challenges? What is the outlook?

CONTRACT SANCTITY: LEGAL AND INSTITUTIONAL CHALLENGES
The session will feature a presentation by a leading legal expert
- What are the legal issues at different stages of project development?
- What are the key PPA risks faced by developers?
- Are PPAs with discoms more bankable than those with third-party users?

SPOTLIGHT
This session will feature presentations and discussions among leading subject matter experts from the industry as well as government departments

ROOFTOP SOLAR: IS 40 GW ACHIEVABLE NOW?
- What have been the growth trends across the government, institutional, C&I and residential segments?
- How has the cost economics evolved? What are the major policy and regulatory gaps?

SOLAR OPEN ACCESS: POTENTIAL AND CHALLENGES
- What is the current state of solar open access implementation across states?
- What steps should be taken to increase its acceptance and adoption?
- What would it take to create a win-win situation for both the industry and discoms?

SOLAR HYBRIDS
- What has been the experience of solar-wind and other hybrid solar set-ups in India?
- What is the cost economics? What is the project-level experience?
- What are the key challenges? What is the future outlook?

KUSUM: POWERING AGRICULTURE THROUGH SOLAR
- What is the market size and outlook for solar pumps in India?
- What are the key hurdles?
- What has been the progress under schemes like Maharashtra’s solar agriculture feeder programme and KUSUM?
- What is the cost economics? What are the likely savings?

ROLE OF SOLAR IN POWERING FUTURE TRANSPORTATION
- What is the potential of solar in powering airports, ports, railways, MRTs, EVs, etc.?
- What are the ongoing initiatives and plans?
- What are the potential challenges? What are the possible solutions?

FLOATOVOLTAICS
- What has been the experience in setting up and operating canal-top and floating solar plants?
- How has the cost economics evolved? What are the emerging technologies?
- What is the future outlook?
Solar Power in India

What differentiates our conferences?

- The **agenda** is developed by our researchers, who track the sector round the year. It is thus **relevant** and **topical**. It is not driven by a particular organisation and does not have a particular slant.
- The **speakers** are **professionals** and **experts** involved in the sector, not a mix of ambassadors, ministers, celebrities and business owners.
- The conferences do not just comprise panels and speeches; they provide a good mix of **expert presentations** and **case histories**, and of course **panel discussions**.
- We have **representation** from **across the country**, as is the case at our physical conferences too.
- Each **stakeholder group** – **policymakers**, **developers**, **financiers**, **consultants** and **relevant NGOs** – is represented at our conferences.
- The moderators merely ask the questions. The **stars** are the **speakers** themselves.
- The **sessions begin and end on time**.
- There is adequate time for a **Q&A session** with each **speaker**. These are not “hit and run” speeches.
- The **delegates** are **professionals** who are vested in the sector, and are not just assembled through social media.
- The **participants** in each conference receive a **concise report outlining** the **key facts**, **trends** and **issues** in the sector.
- A **recap** of the conference is also made available to reinforce the key takeaways.

Delegate benefits (Virtual Conference)

- Direct interaction with senior speakers (Q&A facility)
- Easy connectivity to geographically dispersed delegates (click of a mouse)
- Concise report offered as a backgrounder
- Cost effective (lower ticket price as compared to a physical conference)
- Offers flexibility and convenience
- Access to conference recording
- Recap of conference sessions
- Contributes to sustainability and lower carbon footprint

Benefits of sponsorship (Virtual Conference)

- E-Meet influencers and decision-makers/
- Reach out to and engage with new or active prospects
- Generate high quality sales leads
- Increase brand recognition
- Target a captive and engaged audience
- Drive website traffic through social media promotions
- Position your company as the thought-leader in your industry

To register: Call +91-9871976468, email: harshita.wadehra@indiainfrastructure.com or visit us at www.indiainfrastructure.com
Previous Participants


PREVIOUS SPEAKERS

Anand Kumar
Secretary, Ministry of New and Renewable Energy

Ajay Mishra
Special Chief Secretary, Energy Department, Government of Telangana

Ashvini Kumar
Managing Director, SECI

Gurdeep Singh
CMD, NTPC

Ravindra Kadam
Adviser, Renewable Energy, CERC

Rajaram Mane
Director General, Maharashtra Energy Development Authority

Shailendra Shukla
Chairman, Department of Renewable Energy, Government of Haryana

Sanjay Aggarwal
MD, Fortum India

Sunil Jain
Chief Executive Officer and Executive Director, Hero Future Energies

Sujoy Ghosh
Country Head-India, First Solar Power India

Gaurav Sood
CEO, Sprng Energy

Sudhanshu Kamboj
COO, Projects and Operations, Hinduja Renewables Energy

Kushagra Nandan
Co-Founder and President, SunSource Energy

Umakant Shende
CEO (South East Asia), CleanMax Solar

Dr Anuvrat Joshi
Director and Head, Business Development, Cleantech Solar

Dr Rahul Walawalkar
President, India Energy Storage Alliance

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**SNAPSHOTS FROM PREVIOUS YEAR**

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**Registration Fee**

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- GST @18% per cent is applicable on the registration fee.
- Registration will be confirmed on receipt of the payment.
- To register online, please log on to [https://indiainfrastructure.com/events/13th-annual-conference-on-solar-power-in-india/](https://indiainfrastructure.com/events/13th-annual-conference-on-solar-power-in-india/)

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**Payment Policy:**

- Full payment must be received prior to the conference.
- Payments for “early bird” registrations should come in before the last date of discount. Discount offers cannot be combined with any other offer.
- Conference fees cannot be substituted for any other product or service being extended by India Infrastructure Publishing Pvt. Ltd.

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