



Opening Ceremony Agenda...14th Edition

Theme: "From Ambition to Action...Taking Giant Leaps Forward"

Venue: Hall 5, India Expo Centre, Greater Noida

Date: 15th September' 21 (Wednesday)

1045 - 1100 Hrs	Registration/Ensemble along with Networking
1100 - 1115 Hrs	<p>Welcome Address Mr. Yogesh Mudras, Managing Director, Informa Markets in India</p> <p>Felicitation of the Dignitaries on the Dais Lamp Lighting, Ganesh Vandana and National Anthem</p>
1115 - 1125 Hrs	<p>Presenting Global Perspective Mr. Sanjeev Krishan, Chairman, PwC, India</p>
1125 - 1135 Hrs	<p>Keynote Address H.E. Walter J. Lindner, German Ambassador to India</p>
1135 - 1145 Hrs	<p>Keynote Address H.E. Alex Ellis, British High Commissioner to India</p>
1145 - 1155 Hrs	<p>Keynote Address: H.E Mr. Ugo Astuto, Ambassador of the European Union to India</p>
1155 - 1205 Hrs	<p>Special Address: Shri K.S. Popli, Advisor, International Solar Alliance (ISA)</p>
1205 – 1210 Hrs	<p>Special Address: Shri Narendra Bhooshan, IAS, Chief Executive Officer, Greater Noida Industrial Development Authority</p>
1210 - 1220 Hrs	<p>Guest of Honour Address Shri Bhagwanth Khuba, Hon'ble Minister of State (New and Renewable Energy, Chemicals and Fertilizers) Government of India</p>
1220 – 1225 Hrs	<p>Vote of Thanks Mr. Rajneesh Khattar, Group Director, Energy Portfolio, Informa Markets in India</p>

BREAK & LUNCH
1230 -1400 Hrs

Session 1

Time: 1400 – 1500 Hrs

Topic: Road ahead for Rooftop Solar

Background: The Government of India set its sight at achieving an ambitious target of 450GW of installed Renewable Energy (RE) capacity by the year 2030, in order to meet its Nationally Determined Contribution (NDC) target. This will be contributed by all RE technologies including solar. While large scale solar projects have been setup to expand the RE base, a considerable potential exists with the rooftop spaces across the country. The rooftop solar space has witnessed moderate progress, compared to the immense potential it offers with buildings and vacant land available nearby. This decentralised mode of electricity has the potential not only to contribute to the consumer's requirement at their premise but also contribute to country's RE mix.

Key questions/discussion points

- Key drivers for the RTS sector in India and EU?
- Bottlenecks faced by the sector and ways to improve attractiveness of the sector
- Evolution of new business models to promote rooftop solar deployment
- Role the EU companies can play in accelerating the deployment of these projects?

Introduction and welcome of participants:

Mr. Edwin Koekkoek, Counsellor- Energy and Climate Action, EU Delegation

Keynote Address:

Mr. Amitesh Kumar Sinha, Joint Secretary, Ministry of New and Renewable Energy (MNRE)*

Report on enhancing Solar PV rooftop uptake in India through innovative EU business models

Miguel Herrero, Policy Advisor, SolarPower Europe

Moderator:Mr. Vinay Rustagi, Managing Director, Bridge to India Private Limited

Panelists:

- Dr. Nicole Glanemann, Deputy Head of Division Bilateral Energy Cooperation, Federal Ministry for Economic Affairs and Energy (BMWi), Germany
- Chintan Shah, Director (Technical), IREDA
- Kushagra Nandan, Co-Founder and President, SunSource Energy
- Sanjeev Agarwal, MD and CEO, Amplus Solar
- Faustine Gaymard, Public Affairs, Akuo Energy *
- Ioannis Tsanakas, R&D Project Manager - PV Modules & Systems, CEA LITEN/DTS
- Federico Fucci, Policy Officer, EuropeOn
- Abhishek Ranjan, VP - System Operation, Power Markets and Head Renewable, Smart & DSM projects, BSES
- Ankit Rastogi, General Manager, Enerparc

Session 2

Time: 1530-1630 Hrs

Topic: Solar Manufacturing: Making India the Global Hub

There has been a significant progress in solar capacity addition since 2014, with India progressively emerging as the world's third largest solar market. However, India's solar story is largely built over imported products. For this, creating a base for domestic manufacturing has its own significance. India's solar capacities grown exponentially while at the same time the similar pace is not seen in domestic solar manufacturing sector.

With the target of around 300 GW of Solar Energy Installation by 2030, India needs a strong manufacturing base. This session will focus on making India self-reliant in Solar PV manufacturing.

Points of Discussion:

- Capacity building of Indigenously Developed Solar Modules/cells and its Contribution to Self-Reliant India.
- Need of cutting-edge technology to India for manufacturing high efficiency modules
- Role of Production Linked Scheme (PLI) in Boosting Manufacturing Sector.
- Developing an ecosystem for sourcing of local material in solar manufacturing
- Reforms and Redressal needed from Government of India in terms of achieving target of 300 GW by 2030.

Moderator: Mr. Subrahmanyam Pulipaka, CEO, NSEFI

Speakers:

- Mr. Sunil Badesra, Business Head, Sungrow (India) Private Limited
- Ms. Ritu Lal, Senior Vice President and Head-Institutional Relations, Amplus Solar
- Mr. Prashant Mathur, Chief Executive Officer, Saatvik Green Energy Pvt. Ltd.
- Mr. Sujoy Ghosh, Vice President -APAC & India Region, First Solar Power India Pvt. Ltd.
- Mr Arijit Mitra, DGM - Channel Business, LONGI India
- Mr. CEO, Skeiron Logistics

Session 3

Time: 1700 – 1800 Hrs

Topic: Innovations that make the future Brighter & Case Studies: Upcoming Technologies That Can Change the World and Unique case studies

Presentations by:

- **Time: 1700 - 1715 Hrs**
Presenter: Mr. Sachhin Patra, Senior Manager – Sales, EKI Energy Services Ltd
Topic: COP26 and expected outcomes
- **Time: 1715 – 1730 Hrs**
Presenter: Pavan Mathur, Head of Technical Support - LONGi India
Topic: Innovation in Module Manufacturing Technologies
- **Time: 1730 – 1745 Hrs**
Presenter: Balwant Joshi, Forunder & Managing Director, Idam Infrastructure Advisory
Topic: Blockchain applications in the power sector
- **Time: 1745 – 1800 Hrs**
Presenter: Vivek Kumar, Key Account Manager, OTT Solar
Topic: “Monitoring of Soiling Issues”

Closed Door Sessions Day.. 1

By invitation only..

Venue: Board Room

Time: 1400 - 1530 Hrs

CEO CONCLAVE

Time: 1615 - 1745 Hrs

FINANCE LEADERSHIP FORUM

DAY 2

Session 4

Time: 1100 – 1230 Hrs

Topic: Renewable Energy and Self-Reliant India from the lens of CTOs

100 GW of Renewable Energy has become a milestone, while India with its leadership looks forward to achieving 450 GW by 2030 and become Self-Reliant. This session will dwell on several factors to make what it takes to achieve the GOAL.

Discussion points:

- **Atmanirbhar Bharat a journey from the start till today and tomorrow.**
- Impact of PLI Scheme for Solar PV manufacturing
- Impact of BCD from 1st of April 2022
- Approval of BIS, BOM & ALMM with new design of modules using M6, M10 & M12 cells
- New Technologies: P-Type Mono-PERC, Bifacial. N-Type: TOPCon, NPRT, Hetero Junction, Smart Inverters, Smart Monitoring, Trackers
- BIS certification Good Enough?
- Future Tech & Pricing Road Maps, Exchange Rates (First 2 years of ingot & wafer imports)
- Ensuring Procurement, Supply Chain, Logistics, Warranties, Insurances
- Role of Energy Storage - Technology & price curves and Preparedness of Make in India and role of PLI Scheme for Battery Mfg.

Moderator: Santosh Khatelsal, Energy Expert

Panelists:

- Shri. Ruchin Gupta, IRS, Deputy Secretary, Ministry of New and Renewable Energy *
- Dr. Milind Kulkarni, CTO, Vikram Solar
- Kapil Maheshwari, President, Renewable Energy Development, Reliance Industries Limited
- Ivan Saha, CTO, Renew Power
- Goutam Samanta, Head PV technology, Juniper Green Energy
- Dr. Sarita Zele, Head R & D, Waaree Energies
- Amit Barve, BU Head- Solar, Panasonic

BREAK AND LUNCH
1230 -1400 Hrs

Session 5

Time: 1400 – 1500 Hrs

Topic: Transformative Mobility and Battery Storage

Background: GoI's commitment to renewable energy (RE) is a cornerstone of its Nationally Determined Contribution under **COP 21**, which will not only transform India's energy supply, but also have significant global impact. India intends to install **175 GW** of renewable energy capacity by **2022** at an estimated capital cost of **\$150 billion**, consisting of 100 GW of solar (**40 GW from grid connected rooftop solar**), **60 GW of wind power** and the remaining from bio-mass and small hydro and further intends to incline the installations with an ambitious capacity of total of 450 GW by 2030.

Recognizing the transformative potential of battery energy storage, India launched a National Mission on Transformative Mobility and Battery Storage (NMTMBS, 2019), which promotes clean, connected, shared and holistic mobility initiatives, and clean energy through battery storage technology. The Federal Government has approved phase -II of FAME Scheme with an outlay of Rs. 10,000 Crore for a period of 3 years. Under the production -linked incentive (PLI) Scheme floated by the Federal Government, the cabinet in November 2020 had approved Rs. 18,000 Crore for domestic manufacturing of Advanced Chemistry Cell (ACC) battery storage.

Key Questions/Discussion points

- Why are battery storage and electric mobility important and required for a country like India?
- How is the World bank Group supporting the Government of India in its National Mission on Transformative Mobility and Battery Storage and in National Mission on Advanced Chemistry Cell?
- Why has battery storage and electric mobility not been able to take off in India in a big way unlike other developed countries? Key learnings from International experience?
- What can we expect to see in terms of innovation in energy storage and transformative mobility in the next 5-10 years?

Moderator: Ms. Mani Khurana, Lead World Bank Battery Storage Program

Dr. Rashi Gupta, Managing Director at Vision Mechatronics

Panelists

- Mr. Abhishek Ranjan, VP - System Operation, Power Markets and Head Renewable, Smart & DSM projects, BSES
- Dr. Y.B.K. Reddy, Addl. General Manager, Solar Energy Corporation of India (SECI)
- Mr. Milin Kumar, Head-Special Initiatives (BESS, New Energy), Renewable Business, L&T Ltd.
- Mr. Ketan Chitnis, Vice-President Exide Leclanche
- Mr. PK Banerjee, Executive Director (Tech) SIAM
- Mr. Vaibhav Pratap Singh, Programme Lead, CEEW

Session 6

Time: 1530 – 1630 Hrs

Topic: Panel discussion: Tapping the Offshore Wind energy potential in India

Powered by European Union (EU)

Background: In the journey to achieve 450GW of RE capacity by 2030 and achieve NDC targets, wind energy sources is expected to contribute considerably. While India has tapped a sizable potential in the onshore wind energy sector, the offshore wind sector is yet to see light of the day. India is blessed with a vast coastal line of about 76,000 kilometres, and highlights immense potential to exploit the offshore wind energy potential, and hence offers opportunities in the areas of technology, infrastructure, logistics and supply chain, financing, etc.

Key questions/discussion points

- What are the current capabilities and gaps in the wind energy sector in India?
- Which are the opportunities and challenges for European and Indian companies?
- How can Offshore wind be made technically and commercially viable in India to ensure large scale deployment?
- How will the overall ecosystem include jobs, local economy, and business change over the years once the offshore wind industry develops?

Introduction and welcome of participants:

Mr. Matthieu Craye, International Relations Officer, European Commission

Report on Gap Assessment of training and skill building in Offshore wind energy sector in India

Mr. Niels Bahnsen, Project Director, NIRAS A/S

Moderator:

Mr. Amit Kumar, Team Leader (CECP Project) and Leader- Energy (PwC India)

Speakers for the discussion:

- Dr. K. Balaraman, Director General, National Institute of Wind Energy (NIWE)
- Mr. Vijaymurthy Tanikella, Advisor, Van Oord Offshore Wind b.v. and Director, Van Oord India Pvt. Ltd.
- Dr. Jochen Dirksmeyer, Head Development, wpd offshore solutions GmbH
- Mr. Amar Variawa, Director, Vestas
- Mr. Gunnar Herzig, Managing Director, World Forum Offshore Wind e.v.
- Mr. Markus Koesters, Head- Business Development, RWE Renewables
- Mr. Navin Dewaji, CEO India, Siemens Gamesa*
- Mr. Nicolas Couderc, Executive Vice-President, EDF Renewables and Chairman, WindEurope*

DAY 3

Session 7

Time: 1100 – 1200 Hrs

Topic: “SATAT scheme & Evolution of Biogas Ecosystem - Convergence of Technologies, Incentives, & Policies”

Since its announcement, the SATAT scheme has provided a much-needed boost to the biogas sector. Over 2000 LOIs have been provided and many plants coming up under the scheme have evolved the biogas sector in India. The session will focus on the overall evolution of the biogas ecosystem and how different technologies, policies, and incentives will shape the future of biogas in India.

Subtopics:

- Supporting policies for biogas sector with special focus on SATAT
- Feasible Business models for biogas plants
- Bio-CNG – Challenges, experiences, and opportunities
- Digestate-its potential to supplement chemical fertilizer and beyond
- Integrating biogas into bio-refineries

Moderator: Dr. A. R. Shukla, President, Indian Biogas Associations (IBA)

Speakers:

- Mr. Srinivas Kasulla, Waste to energy consultant
- Debadatta Mishra AVP & Head BD – CBG & Bio Diesel,PRAJ Industries Ltd
- K.R. Raghunath, Founder & C.E.O - KIS Group, Chairman, Asian Biogas & Biofuel Association.
- Aashish Maheshwari, Associate Business Director, High performance polymer

Session 8

Time: 1200 – 1300 Hrs

Topic: Bioenergy - A way to reach the zenith of energy production for India!

Biomass has always been an important energy source for the country considering the benefits it offers. It is renewable, widely available, carbon-neutral, and has the potential to provide significant employment in rural areas. Biomass is also capable of providing firm energy. The new national Hydrogen mission has also added a significant boost to the bioenergy sector in India, which will play a significant role in achieving India's decarbonization goals. This session will cover the different verticals of bioenergy and will discuss their role in the future of India's energy portfolio.

Main attractions of the session:

- Biofuels and current market scenario
- Biomass - Untapped potential
- Hydrogen mission - Potential to make India a green hub
- Biogas - All round solution to protect the environment

Moderator: Gaurav Kedia, Chairman, Indian Biogas Association (IBA)

Speakers:

- Nek Singh Thakur, Engineering Head, Biogas Engineering India Pvt. Ltd (BGEI)
- Pawan Agarwal, Chartered Accountant and Philanthropist
- Sameer Rege, Director, Mailhem Environment Pvt. Ltd.
- B.R Singh, CEO, Atmos Power Pvt. Ltd
- Amardeep Puri, Country Sales Manager, Process Licensing Business Unit, Axens

BREAK AND LUNCH

1300 -1400 Hrs

Session 9

Time: 1400 – 1500 Hrs

Topic: New Agrivoltaic Developments in India

The large-scale combination of agriculture under photovoltaic systems seems promising. According to a study by the German research institute Fraunhofer, just 1 % of India's agricultural land would suffice to install around 630 GW of additional photovoltaic capacity through the use of so-called agrivoltaics.

This session brings together international and national experts to discuss recent developments in India and Europe and gives an insight into this promising market segment.

Key Questions/Discussion points

- Which agrivoltaic plants have been commissioned lately?
- What are the benefits of Agrivoltaics?
- Potential future business cases?

Moderator: Mr. Subrahmanyam Pulipaka, CEO, National Solar Energy Federation of India

Speakers:

- Mr. Miguel Herrero Cangas, Policy Advisor, SolarPower Europe
- Mr. Vivek Saraf, CEO, SunSeed APV
- Mr. Shravan Sampath, Managing Director, Oakridge Energy Pvt. Ltd
- Mr. Maximilian Vorast, Researcher Agri-Photovoltaics, Fraunhofer Institute for Solar Energy Systems ISE