



ASSOCHAM Eastern Region Development Council
Presents

5th Edition of
Energy Meet
&
Excellence Awards
Transition to Green Economy
Futuristic Solutions: Power Generation to Distribution
Renewable & Sustainable Energy

13th February 2024

Power is one of the most critical components of infrastructure crucial for the economic growth and welfare of nations. India's power sector is one of the most diversified in the world. Given India's position as third largest energy-consuming country there is a pressing need to produce energy that is affordable, reliable, and clean. This demonstrates an exigency to meet the needs of the burgeoning population in the country. To ensure India's plan to move on the path of sustainability it needs innovation, strong partnerships, and large funds.

Businesses and industries are moving towards renewable energy to reduce emissions, lower energy costs, and improve eco-friendliness. The major renewable energy trends include digitization, energy-efficient integrations, and solutions that overcome the intermittency in renewable energy production. India's announcement that it aims to reach net zero emissions by 2070 and to meet fifty percent of its electricity requirements from renewable energy sources by 2030 is a hugely significant moment for the global fight against climate change. Solar and wind energy currently contribute more than 50% of the total renewable capacity of the country. A transition to clean energy is a huge economic opportunity. India is particularly well placed to become a global leader in renewable batteries and green hydrogen. These and other low-carbon technologies could create a market worth up to \$80 billion in India by 2030.

The renewable energy industry is also quickly tapping the potential of new-age technologies like blockchain, AI and Machine Learning (ML). Adopting AI and ML is further expected to enable companies to manage grids better.

Decarbonization, decentralization, and digitization are the three key global trends. Green hydrogen technologies are expected to play a crucial role in reducing carbon emissions and facilitating the shift to renewable energy sources. These technologies utilize hydrogen produced from renewable sources as a clean energy carrier.

To discuss the way forward, for solutions to support Power generation, Distribution and engage consumers, ASSOCHAM is hosting a conference at Kolkata. The event shall focus on the key trends in Renewable Energy Segment, talk about developments in the distribution segment, analyze the impact of key government programmes, and highlight best practices as well as the new initiatives being taken by agencies. It will also provide an update on promising automation technologies, examine the various issues and challenges, and provide an outlook on future growth areas.

Outcome expected from the meet

- *Way forward on Facilitating carbon emission reduction*
- *Integrating more distributed generations to power network infrastructure*

- *Relieving congestion and system constraints, Simplifying outage management*
- *Enhancing the quality, efficiency, and security of power supply*
- *Integrating the smart metering technology, Usefulness of smart metering in energy management systems and data analytics.*
- *Policy interventions for energy balancing*
- *Commitment to planet and achieving net zero emissions*

Digitalization offers a plethora of possibilities for improving distribution systems, including the reconfiguration of feeders, implementing an outage management system, and enhancing the customer management system. The implementation of smart metering holds the potential for improved grid management by utility companies while ensuring more transparent and real-time data consumption, thus, empowering consumers. Additionally, integration smart metering technology with others can lead to further advancements. For instance, the integration of smart metering with green H2 technology represents a novel approach towards achieving net-zero targets. This combination allows for the efficient utilization of renewable energy sources while effectively managing the energy grid.

Convention and non-conventional power mix are important for India's energy need. However, renewable energy holds greater potential and several key strategies have been developed by governments in this regard. The program shall discuss upon energy generation and the balance that is needed to be maintained while maintaining the environment equilibrium.

Target Audience

- DISCOMS || Financial institutions || Utilities||
- Trade Promotion Councils
- Power trading Exchange
- Solution providers
- Policymakers
- Academia
- Industry Experts
- Power Consumers
- All Sectors Industrial Units

Energy Excellence Awards

Nomination fee per award title is Rs. 10,000/- plus 18% GST

(Multiple entries are permitted)

Nomination Closing Date: 30th January 2024

The ASSOCHAM Energy Excellence Awards will be held on 13th February, 2024 at Kolkata, known as the city of Joy. The awards celebrate and honour those who have delivered excellence in innovation, creativity, made outstanding, contribution and applied best practices in power-Coal-oil & Gas-Solar-Wind- other segments. It serves as a recognition and tribute to the winner's professionalism and commitment to an excellence in the Energy Sector.

The Categories are:

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|--------------------------------------------------------------------|-----------------------------------------------------------------------|
| • The Outstanding Leader of the Year | • Young Energy Professional of the Year |
| • The Energy Efficiency Award | • Rural Outreach Award, 2023 |
| • Innovation in Energy Solution | • Energy Women of the Year (Renewables/ Oil & Gas/ Power/ Coal) |
| • Citizen Connect Initiative of the Year | • Excellence in Digitization(Power Sector/ Renewables/ Oil Gas/ Coal) |
| • Public Sector of India | • Best Promising Start-up |
| • Excellence in Green Energy | • Waste Management |
| • Special Jury Awards | • India's Best Battery Manufacturer |
| • Social Changemaker Award (Renewables) | • Refiner of the Year |
| • Chief Executive of the Year (Power/ Renewables/ Oil & Gas/ Coal) | • Energy Company of the Year(Power/ Renewables/ Oil & Gas/ Coal) |
| • City Gas Distribution Company of the Year | • Excellence in Customer Service (Distribution Sector) |
| • LNG Company of the Year | • Excellence in Smart metering |
| • Innovative EV of the year | • Excellence in Bio-energy |
| • Excellence in EV Infrastructure | • Energy Auditor of the Year |
| • Hydrogen Leadership Award | |
| • Energy Transition Award | |
| • Energy Storage Player of the Year (BES for EV/ BES for Grid) | |

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All the Cheque/draft should be drawn in favour of “ASSOCHAM Regional Office Kolkata” payable at Kolkata or Bank Transfer to Account Number 00141110005388 IFSC Code HDFC0000014

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GLIMPSES OF ENERGY MEET 2022





GLIMPSES OF ENERGY MEET 2019





Join us as we take views of experts from Coal Sector to Renewable Sector to create a roadmap for the sector and industry members in the region.