

ENERGY STORAGE SOLUTIONS MEET

E\$\$MEET KANPUR

29th November, 2019
Indian Industries Association (IIA)



India Energy Storage Alliance (IESA) is organising 6th Energy Storage Solutions Meet (E\$\$MEET) at Kanpur on 29th November, 2019 from 10:00 am – 5:00 pm. The major motive behind this meet is to provide appropriate energy storage solutions for Commercial & Industrial consumers in 4 specific applications.

- To Increase Revenue by Solving Power Quality & Reliability Issues
- To Reduce Diesel consumptions adopting Energy Storage as back-up
- To develop Rooftop Solar + Energy Storage Installations
- Energy Cost savings through Open Access & Energy storage

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OUR PARTNERS

GOLD PARTNER



SUPPORTING PARTNERS



PARTICIPANTS

Solutions Providers (IESA members only)
Commercial and Industrial User (Only by Invitation)

UPCOMING EVENTS

E\$\$MEET COIMBATORE
September 2018

E\$\$MEET JHARKHAND
July 2019

E\$\$MEET PUNE
October 2018

E\$\$MEET KANPUR
November 2019

E\$\$MEET DELHI NCR
March 2019

E\$\$MEET VIJAYWADA
January 2020

E\$\$MEET BENGALURU
May 2019

E\$\$MEET GANDHINAGAR
March 2020

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Theme

Currently most of the energy storage investment decisions for India are being driven by average levelized costs of energy through energy storage system, while there are various applications, where the marginal costs of current solutions being planned is significantly higher than current cost of storage technologies. E.g. diesel usage optimization is a low hanging fruit, but due to high initial cost comparing to diesel genset purchase and little understanding about cost of ownership & cost of operation by the commercial & Industrial establishments taking longer time for energy storage system installations in India. Also even in case of areas where diesel generators are used, there is an opportunity to improve efficiency by increasing loading of the generators for certain hours and shutting them down for other times where solar + storage can meet the load. On part loaded condition the marginal cost of electricity from diesel generator could be higher than 20 Rs / kWh, but due to lack of policy certainty and delays in decision making, we are yet to achieve goal to reduce carbon footprints. There many industries are also facing power quality issues for their batch manufacturing process. Power outage in industrial hubs also making huge loss for the industries in that region. In commercial complex, combined use of diesel genset and lead acid batteries burning higher money for the operators than single large scale installations of advanced energy storage technologies. This Forum will bring all this discussion points with suitable business case for the C&I establishments.

Agenda

- **Inaugural session**
- **Overview on the C&I Customer Issue**
 - Power Quality & Reliability Issues
 - Power Outage & Use of High cost Diesel for back up
 - Plan for Rooftop Solar & requirements of evening load
 - Challenges in Open Access
- **How Energy Storage Could be a perfect Solutions?**
- **Indian Energy Storage Market Overview**
- **Case Studies**
- **Overview of available Solutions (Presentation by Solution Provider)**
- **C&I Users View**
- **Networking between C&I User & Potential Solution Providers**



About IESA

The India Energy Storage Alliance (IESA) was launched in 2012 by Customized Energy Solutions to promote energy storage, EV & micro grid technologies and their applications in India. IESA's vision is to make India a global leader in energy storage, EV & microgrid technology adoption and hub for manufacturing of these emerging technologies by 2020. IESA's mission is to make energy sector in India more competitive and efficient by creating awareness among various stakeholders in the industry and by promoting information exchange with the end users. IESA also provides insights to technology developers, original equipment manufacturers and system integrators on the policy landscape and business opportunities in India through frequent interaction with all key stakeholders.

India is anticipated to become one of the best markets for adoption of energy storage technologies due to several drivers like fastest growing economy, increasing share of renewables, transmission constraints, need for providing 24*7 quality power and electric mobility mission. As estimated by IESA, the Indian energy storage market is expected to grow to 300 GWh by 2025. Please find more information on IESA at <http://www.indiaesa.info/>

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