



Stationary Energy Storage India

Defining roadmap and outlook for stationary energy storage in India

APRIL 8, 2021, CONFERENCE & VIRTUAL EXPO



STATIONARY ENERGY STORAGE INDIA – 08 APRIL, 2021 AGENDA

TIME (IST)	SESSION	SPEAKER
09: 30 – 10: 00	Registration	
10: 00 – 10: 10	Opening remarks & Welcome address	Ashok Thakur , Chief Editor, ETN, India Energy Storage Alliance (IESA)
10: 15 – 11: 15	SESSION 1: Stationary Energy Storage Policies for India <ul style="list-style-type: none"> Draft National Wind-Solar Hybrid policy State level policies on wind-solar hybrid with Storage policy Role of CEA, CERC, Load Dispatch Centre for Storage Integration Renewable Energy – Round the Clock dispatch Draft Unified Guidelines on Standalone Energy Storage Systems procurement Policy requirement for Ancillary market 	<ul style="list-style-type: none"> Dr. Rahul Walawalkar, MD, Customized Energy Solutions, President, IESA – (Moderator) Shri Ghanshyam Prasad, Joint Secretary, Ministry of Power (MoP) Shri Jatindra Nath Swain, Managing Director, Solar Energy Corporation of India (SECI) Dr. Jyoti Parikh, Executive Director, Integrated Research and Action for Development (IRADe) Stefan Louis, Chief Executive Officer and Chief Technical Officer, Nexcharge
11: 15 – 11: 30	India Stationary Storage Market Overview presentation	Avanthika Satheesh , Industry Research Manager, Customized Energy Solutions (CES)
11: 30 – 12: 30	SESSION 2: Grid scale Energy Storage Integration (For Grid Scale Solar PV / Wind Applications and DISCOM Use cases) <ul style="list-style-type: none"> Need of Energy Storage for large scale PV / Wind / Hybrids Plants RE Shifting, RE firming, RE Smoothing and Ramp Control requirement Analysis using COMETS (NPV, IRR, Payback calculation for the projects) Energy Storage for Utilities for Peak load management, Grid Stability, Transmission & distribution deferral, and DSM 	<ul style="list-style-type: none"> Bindu Madhavi, Manager – Policy & Regulatory, IESA, CES (Moderator) Dr. Bharath Reddy, Additional General Manager, Solar Energy Corporation of India (SECI) Jitendra Nalwaya, Vice President, BSES Yamuna Power Limited Nilesh Kane, Head – Power distribution & battery storage, Tata Power DDL Ilya Chernyakhovskiy, Grid Systems Analyst, NREL
12: 30 – 13: 30	SESSION 3: Energy Storage Financing <ul style="list-style-type: none"> Overview of project financing options for energy storage projects Risk management and role of insurance Role of aggregators / ESCO companies 	<ul style="list-style-type: none"> Debi Prasad Dash, Executive Director, IESA (Moderator) David Morgado, Senior Energy Policy Specialist, Asian Infrastructure Investment Bank (AIIB)

	<ul style="list-style-type: none"> • New business models 	<ul style="list-style-type: none"> • Mani Khurana, Sr. Energy Specialist, The World Bank • Kashish Shah, Energy Finance Analyst, Energy Finance Studies, Institute for Energy Economics & Financial Analysis (IEEFA)
13: 30 – 13: 45	Launch of IESA-NSEFI Taskforce on Solar+ Storage	<ul style="list-style-type: none"> • Debi Prasad Dash, Executive Director, IESA • Subrahmanyam Pulipaka, CEO, National Solar Energy Federation of India (NSEFI)
13: 45 – 14:00	BREAK	
14: 00 – 15: 00	SESSION 4: Energy Storage for Behind the Meter Application (Rooftop Solar & Microgrid, Inverter, UPS Back UP, Telecom Tower) <ul style="list-style-type: none"> • Role of Net metering • C&I application including DG optimization • Telecom tower, Inverter, UPS Back Up • Power Quality & reliability for C&I consumers • Micro-grid scenario in India & opportunities in campus & rural micro-grids 	<ul style="list-style-type: none"> • Netra Walawalkar, Director – India markets, Customized Energy Solutions (Moderator) • Ketan Chitnis, Vice President, Stationary BU, Exide Leclanche • Naveen Sharma, Sr. Vice President – DCT & ESS Business, Exicom • Srinivasa Rao Ganga, Chief Marketing Officer, Amararaja Batteries • Kuppuraj Uvaraj, Sr. Manager – Business Development, Sterling & Wilson
15: 00 – 15: 10	Overview of Nexcharge, Tata Power DDL grid-connected community energy storage Project	<ul style="list-style-type: none"> • Ketan Chitnis, Vice President, Stationary BU, Exide Leclanche
15: 10 – 15: 20	India Stationary Storage Tender/ Project Update (Special Presentation)	<ul style="list-style-type: none"> • Shivam Chauhan, Research Analyst, IESA
15: 20 – 15: 30	BREAK	
15: 30 – 16: 30	SESSION 5: Learning from India & global projects and Insights for National and International Experience <ul style="list-style-type: none"> • Global Stationary storage ecosystem and success stories • Project Monitoring • Learning and key take-away 's from global projects • Success stories from Stationary energy storage projects in India 	<ul style="list-style-type: none"> • Vinayak Walimbe, Vice President – Emerging technologies, Customized Energy Solutions (Moderator) • Rajendra Shrivastav, President & Market Business Leader, AES India • David Post, Head – Energy Storage Solutions, Enel X • G. K. Ramakrishnan, GM – Business Development, Energy Business, Wartsila • Dr. Avishek Kumar, Co-founder & CEO, V-Flow Tech
16: 30 – 17: 30	SESSION 6: Current and Upcoming Technologies for Stationary Energy Storage System <ul style="list-style-type: none"> • Technology evaluation and outlook for 2020-25 • Second life batteries for stationary applications • Beyond batteries (thermal storage, mechanical storage, gravity storage) 	<ul style="list-style-type: none"> • Dr. Rahul Walawalkar, MD, Customized Energy Solutions, President, IESA (Moderator) • Dr. Judith Jeevarajan, Research Director – Electrochemical Safety, Underwriters Laboratories (UL) • Michael Willemot, Chief Financial Officer, Oxta Energy • Yashwanth Mahadevan, Sales Leader – APAC, EOS Enterprises
17: 30 – 18: 00	Q&A and closing remarks	