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INDIA ENERGY STORAGE WEEK 2024

Conference and Exhibition on Energy Storage, EV, Green Hydrogen and Microgrids in India

10th
ANNIVERSARY
EDITION

01st - 05th July 2024 |
Yashobhoomi, IICC, New Delhi

7th IESA Industry
Excellence Awards

EXHIBITION (1ST-2ND JULY 2024)

EV & EV Infra Expo

Manufacturing &
Supply Chain Pavilion

Green Hydrogen Expo

Start-Up Pavilion

Recycling Pavilion

Stationary Storage Expo

Innovation & Research
Pavilion

Indigenous Battery
Cell Showcase

CONFERENCE (1ST-4TH JULY 2024)



> 01st July
e-Mobility



> 02nd July
Manufacturing &
Supply chain



> 03rd July
Stationary
Energy Storage



> 04th July
Green Hydrogen



> 05th July
Tech Tour

India EV Infra Forum

India Recycling & Reuse Forum

India LDES Forum

KEY ROUNDTABLES



CXO Roundtable
1st July 2024



Research &
Innovation Roundtable
1st July 2024



Founders Roundtable
2nd July 2024



State Roundtable
3rd July 2024



Skill Development
Roundtable
2nd July 2024

KEY HIGHLIGHTS



IESA - Industry
Excellence Awards
1st July 2024



3rd India Battery Safety Forum
2nd July 2024



Women in Energy Roundtable,
leadership talk &
networking Dinner
2nd July 2024



Start-Up Day (Tech Ignition
session, Pitch Session)
2nd July 2024



Investment talk
and Financing Section
2nd - 3rd July 2024



Buyer - Seller Meeting
1st-2nd July 2024



1st World Advanced Battery
Conference (W-ABC),
3rd July 2024



Future Energy Learning
Centre (FELC)
1st July 2024



US India Energy Storage
Taskforce (ESTF) Seminar
2nd July 2024



Parallel Workshops
1st - 4th July 2024

India Energy Storage Week (IESW) 2024

10th International Conference & Expo on Energy Storage, Electric Mobility & Green Hydrogen

1-5 July 2024, IICC, Yashbhoomi, New Delhi

1 st July	India EV Day Conference (10:00 AM - 6:00 PM)	Future Energy Learning Centre (FELC) <i>Supported by ISA</i> (2:00 - 5:00 PM)	Battery Raw Materials Workshop (2:00- 3:30 PM)
			CXO Roundtable (5:00 - 6:00 PM)
7th IESA Industry Excellence Awards & Gala Diner (7:00 PM onwards)			
2 nd July	India Battery Manufacturing Conference (10:00 AM - 6:00 PM)	Start-Up Pitch Session (10:00 AM - 12:00 PM)	Roundtable on Battery Circularity (Supported by WRI) 11:30 AM - 1:00 PM)
			Founders Roundtable (2:00 - 3:00 PM)
		3rd India Battery Safety Forum (2:00 - 4:00 PM)	Tech Ignition Session (3:00 - 3:45 PM)
			Investor Talk (3:45 - 4:30 PM)
		USA- India Energy Storage Taskforce Seminar (4:00 - 6:00 PM IST)	Women in Energy Roundtable (4:30 - 6:00 PM)
Women in Energy Felicitation, Leadership Talk and Networking Dinner, Supported by IGEF (6:30 onwards)	Founders Networking Dinner (7:30 onwards)		
3 rd July	Stationary Storage in India Conference (10:00 - 6:00 PM)	1st World Advanced Battery Conference (W-ABC) (10 AM-1 PM IST)	
		LDES Roundtable, <i>Supported by LDES Council</i> (4:00- 6:00 PM IST)	
Happy Hours s Networking Diner for LDES Roundtable Participants (6:30 APM Onwards)			
4th July	India Green Hydrogen Conference (10:00 - 6:00 PM)	Green Hydrogen Policy to Drive Indian GH Market (Supported by WRI) 11:30 AM - 1:00 PM)	
5 th July	Technical Tours*		

India EV Day (1st July 2024) Conference Program

Time (Hrs. IST)	Session	Topic
09:00 –10.00 Registration		
10:00 –11.15	Inauguration Session	India's roadmap for vehicle electrification <ul style="list-style-type: none"> • Key Central and State government policies • Current Status of EV manufacturing and future potential • Ways to increase EV adoption. • Export opportunities and key bottlenecks to address.
11:15 –11.30 Networking Tea and Expo Visit		
11:30 –12.45	Panel discussion	Growth Story of India's Electric Vehicles <ul style="list-style-type: none"> • Journey of the Indian Electric 2W industry • Electric Cars – yet to see mass adoptions In India • Electric 3-wheeler – India's success story • Hybrids – the immediate way for decarbonization of the transport sector • Key challenges and opportunities • Entrant of Global EV makers in the Indian market • Electric Bus Transportation – India Leading the way.
12:45 –13.00	Tech Session	EV Testing, Standards, Safety, Certification
13:00 – 14:00 Networking Lunch and Expo Visit		
14:00 –15:00	Panel discussion	Battery Swapping Vs EV Charging <ul style="list-style-type: none"> • Charging Infra – Key enabler for electric 4W and bus in India • Key challenges in the Growth of Battery Swapping in India • Govt policies to support charging infra-adoptions. • Key learning from current installations
15:00 –15:15	Tech Session	Lift Off – Soaring beyond Intercalation – The future is here
15:15 – 14:00	Tech Session	EV Powertrain & EV Components Manufacturing – Opportunity for a decade. <ul style="list-style-type: none"> • Indigenous Powertrain manufacturing • Capturing the opportunities for EV components manufacturing • Opportunities to diversify from traditional ICE components to EV components. • Battery Packs developments and key learnings
16:00 – 16:30 Networking Tea and Expo Visit		
16:30 –17:30	Plenary Session	Panel Discussion: Way Forward to Accelerate Electric Mobility, Manufacturing, R&D and Safe Adoption in In- dia. <ul style="list-style-type: none"> • Export-Import opportunities • Global Partnerships and tech transfer • New Battery Technologies • Innovation and R&D in India
17:30 –17:45	Special Session	Global Electric Mobility Market Overview
17:45 –18:00 Day Summary and Vote of Thanks		

India Battery Day Conference (2nd July 2024)

Time (Hrs. IST)	Session	Topic
09:00 – 10:00 Registration		
10:00 – 11.15	Inauguration Session	India's roadmap for Advanced battery manufacturing <ul style="list-style-type: none"> Government policies to support the manufacturing of batteries (ACC-PLI, Niche PLI, Stationary storage PLI etc.) Key challenges and bottleneck Global Partnerships in Manufacturing
11:15 – 11.30 Networking Tea and Expo Visit		
11:30 – 12.30	Panel discussion	Battery Cell Manufacturing, Upcoming Giga Factories and Other Advanced Battery Manufacturing <ul style="list-style-type: none"> Lithium Cell Manufacturing landscape in India and key challenges Upcoming Giga factories in India Other Advanced Battery tech (VRB, Sodium Ion and Solid State Batteries) manufacturing in India
12:30 – 13:00	Panel discussion	Manufacturing components & equipment and developing the Manufacturing Process <ul style="list-style-type: none"> Battery manufacturing quality assessment and failure analysis solutions Coating requirement in the manufacturing process Battery Manufacturing equipment
13:00 – 14:00 Networking Lunch and Expo Visit		
14.00- 15.00	Panel discussion	Battery Component Manufacturing (Cathode, Anode, Electrolyte, Separators, adhesive, Binders, and Non-active materials) <ul style="list-style-type: none"> Why India Should focus on Graphite. Upcoming Anode and cathode manufacturing Electrolyte, Separator, Adhesive, Binders Opportunities for battery-grade Copper and aluminum foil development in India
15.00- 16.00	Panel Discussion (Supported by Western Australia*)	Battery Raw materials Availability in India – Lithium, Manganese, Copper, Nickel, Aluminum <ul style="list-style-type: none"> Global Partnerships for Battery Raw materials Raw materials constants Opportunities in Mining, Refining and Processing
16:00 – 16:30 Networking Tea and Expo Visit		
16:30 – 17:30	Plenary Session	Battery Recycling (Key government policies to drive the Indian market, BWMR and EPR guidelines for Recycling, refurbishment and second life) <ul style="list-style-type: none"> Global Recycling Market Overview Key challenges and opportunities Standards and testing before second use. Import-export scenarios of battery waste and black mass. Way ahead and market potential Battery waste collections, Black mass production Recycling technologies to get metal salts
17:30 – 17:45	Special Session	Second-life batteries – Key challenges and opportunities for Low power applications
17:45 – 18:00	Day Summary and Vote of Thanks	

India Stationary Energy Storage Day (3rd July 2024)

Time (HRs IST)	Session	Topic
09:00 –10.00 Registration		
10:00 - 11:15	Inauguration Session	Energy Storage for 500 GW renewable, grid Modernization and decarbonization of C&I Sector <ul style="list-style-type: none"> • Key central & state government policies • Industry adoptions • Modernization of the electricity grid • BESS systems for Indian Grid • Other form of Energy storage beyond batteries
11:15 –11.30 Networking Tea and Expo Visit		
11:30 – 12.30	Panel discussion	Energy Storage Tender and Projects in India <ul style="list-style-type: none"> • Key Learnings from developed BESS projects in India • Upcoming Tenders and projects • Understanding the key bottlenecks in Project development
12:30 – 13:00	Tech Session	BESS System, Design and Development
13:00 – 14:00 Networking Lunch and Expo Visit		
14:00 – 15.00	Panel discussion	Energy storage for decarbonization of the Commercial & Industrial Sector, Telecom, Data Centre and Railway <ul style="list-style-type: none"> • Energy Storage for decarbonization of the C&I sector • BESS for Telecom and data center • Learning from the current installation • Key Challenges in project development • Capex vs. Opex of such projects
15.00-16.00	Panel discussion	Long Duration Energy Storage Technologies for India <ul style="list-style-type: none"> • Key LDES Technologies and it's future • Understanding the key changes in the growth of LDES deployment in India • Need for government framework. • Setting up the target for LDES deployment for India
16:00 – 16:30 Networking Tea and Expo Visit		
16:30 – 16:45	Special Session	Learning from Global BESS Projects
16:45 – 17:45	Plenary Session	Addressing the Challenges in rapid Energy Storage deployment in India <ul style="list-style-type: none"> • VGF scheme for 4000 MWh Energy Storage Projects • Energy Storage for Peak shifting, RE-RTC, FDRE • Key financing challenges • Need for skilled workforce. • Central govt. policy framework & state level support
17:45 –18:00	Day Summary and Vote of Thanks	

India Green Hydrogen Day (4th July 2024)

Time (Hrs. IST)	Session	Topic
09:00 –10:00 Registration		
10:00 –11:15	Inauguration Session	India's Roadmap on Green Hydrogen R&D, Manufacturing & Deployment <ul style="list-style-type: none"> Defining Green Hydrogen Role of R&D, Innovation Key challenges in deployment Global Collaboration
11:15 –11:30 Networking Tea and Expo Visit		
11:30 –12:30	Tech Session	Electrolyzer Manufacturing Opportunities in India <ul style="list-style-type: none"> Opportunities for Electrolysis BoP Manufacturing Updates on the Electrolyser PLI Components and supply chain Technology updates
12:30 –12:45	Tech Session	Hydrogen Valleys in India- Cluster Approach to drive Hydrogen, R&D, Manufacturing Pilot
12:45 - 13:00	Market Session	Global Hydrogen Outlook
13:00 – 14:00 Networking Lunch and Expo Visit		
14:00 –14:15	Tech Session	Scheme Guidelines for the implementation of the R&D Scheme under the National Green Hydrogen Mission
14:15 –14:30	Market session	Biomass-green hydrogen production
14:30 –14:45	Tech Session	Green Hydrogen storage and transportation
14:45 –15:00	Tech Session	Large-scale hydrogen Infrastructure
15:00 –15:15	Financing Session	Investments and Financing of Hydrogen Projects
15:15 –15:30	Tech Session	Hydrogen RCS (Regulations, Codes & Standards) and Safety
15:30 –15:45	Special Session	Skilled Workforce requirement in Green Hydrogen Ecosystem
15:45 –16:00	Special Session	Country Session – Green Hydrogen
16:00 – 16:30 Networking Tea and Expo Visit		
16:30 –17:30	Plenary Session	Key application areas for green hydrogen in the Industrial and Mobility sector <ul style="list-style-type: none"> Refining Specialty Chemicals Fertilizers Steel Sector Mobility
17:30 –17:45	Special Session	Opportunities in Global Clean Hydrogen Projects
17:45 –18:00	Day Summary and Vote of Thanks	