

Lithium Ion India

International Summit on Lithium-Ion Batteries

 4th October 2024

 India International Centre (IIC), Lodhi Estate, New Delhi - 110003

Key Highlights

 Li-B Cell Manufacturing	 Battery Pack Manufacturing	 Equipment & Components	 Supply Chain & Raw Materials	 Future Tech Solid State, Li-S)	 R&D and Innovation
 LiB for Electric Vehicle	 BESS Development	 Policy & Regulatory	 Safety, Certification & Testing	 BMS & Thermal Management	 Recycling & Second life
 BESS for C&I Sector	 BESS for Grid & Renewable	 Global Outlook (Demand-Supply)	 PCS, Inverters for LiB based BESS	 LiB for Drone & Aerospace	 Future Potential for India

Theme

Global warming and climate change have compelled governments and businesses to set net zero emission targets. The transition to Clean transportation and green energy made battery storage as an integral part of the government strategy. The lithium-ion battery has become the dominant technology due to its ability to store a high density of energy, faster recharge rates, and longer life cycles compared to other battery technologies that are in commercial use.

India is one of the leading countries for Lithium-Ion battery imports worth 3.59 billion dollars in FY 2023 from countries like China, South Korea, Vietnam, and Japan. There are 100+ lithium battery pack manufacturing companies in India supplying batteries to EV, power electrics, and stationary storage markets in India. With the Government's support under the ACC-PLI scheme 30 GWh Lithium-Ion Cell production has been awarded to 3 companies and another 10 GWh is in tendering stage. We at IESA expect 10+ giga factories with 140 GWh production to be ready by 2030. More than 15 companies are working on developing a Lithium battery supply chain Ecosystem in India including raw materials mining, reefing, chemical processing, and pre-cursor materials manufacturing. In the last 5 years, India identified multiple lithium Reserves in India in states like Karnataka, Chhattisgarh, West Bengal, and Jammu & Kashmir. The inclusion of lithium as a 'critical' mineral in India's Ministry of Mines Committee report of June 2023 highlights its vital role in India's economic development and national security.

India is expecting a cumulative demand of 500+ GWh LiB batteries by 2030. With these huge opportunities, India is also working on appropriate safety standards considering the application, temperature, and environmental conditions. With current usage in Telecom, and EV, multiple companies have already developed LiB recycling facilities in India. Various Indian National Labs and start-ups are working on development of advanced lithium technologies including Lithium Sulphur, solid-state batteries, etc. With these opportunities, we expect the Indian industry to need to increase its investment 5X in the next 5 years. This international summit will provide your business strategy, networking, and roadmap for the Indian Lithium-Ion Battery industry.

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PROGRAM

Time	Topic
09:00-09:30	Inauguration Session Indian Policy & Regulatory Framework for Lithium-Ion Batteries
09:30-10:00	Fire Side Chat
10:00-11:00	<ul style="list-style-type: none"> Li Ion Cell Manufacturing and Giga Factory Development Indian Giga Factory Status
11:00-11:45	<ul style="list-style-type: none"> LI-B Critical Minerals Scenario - Lithium (demand-supply) Scenario and Price Trend Cathode, Anode, Electrolyte Manufacturing Aluminum, Nickel, Manganese & Copper Demand & Supply Overview
11:45-12:30	Lithium-Ion Pack Manufacturing Scenario in India
12:30-13:30	Networking Lunch
13:30-13:40	Global Lithium-Ion Battery Scenario (Demand & Supply, Export - Import Opportunities)
13:40-13:50	Lithium-Ion Battery Safety, Certification Requirement
13:50-14:00	Talk by State Govt Officials
14:00-14:30	<ul style="list-style-type: none"> Equipment & Components for Lithium-Ion Battery Manufacturing Dry-Room, Automation and Software Platform for Li-Ion Industry Testing and Validation of LIB Cells and Packs
14:30-15:15	<ul style="list-style-type: none"> Lithium Battery Recycling in India Key Application Areas of Second life Li-Ion Batteries and it's Scenario in India and Major Usage
15:15-16:00	<ul style="list-style-type: none"> Lithium-Ion Based BESS for Electricity Grid and Renewable Lithium-Ion Based BESS for C&I sector including Data Center, Telecom Tower and Railways
16:00-16:30	Lithium-Ion Batteries for Electric Mobility (2W,3W, 4W, Commercial & Passenger Vehicle) and Battery Swapping
16:30-16:40	New R&D and Innovation in Lithium-Ion Chemistries (Li-S, Solid State etc.)
16:40-16:50	BMS and Thermal Management for Lithium-Ion Batteries
16:50-17:00	Lithium-Ion Batteries for Emerging Applications like Drone, Aerospace & Medical Applications etc.
18:00-20:00	IESA Members Networking Dinner

Delegate Ticket Cost:

Regular Price | ₹ INR 15,000 + taxes
(After 15th September 2024)

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